Table 1. State definitions and energy levels (in Ry) for S-like Fe XI.

Index	Configuration	Level	Expt.[a]	GRASP[b]
1	$3s^2 3p_{1/2}^2 3p_{3/2}^2$	$^3P_2^e$	0.0000	0.0000
2	$3s^2 3p_{1/2} 3p_{3/2}^3$	$^3P_1^e$	0.1154	0.1147
3	$3s^2 3p_{1/2}^2 3p_{3/2}^2$	$^3P_0^e$	0.1304	0.1218
4	$3s^2 3p_{1/2} 3p_{3/2}^3$	$^1D_2^e$	0.3439	0.3782
5	$3s^2 3p_{3/2}^4$	$^1S_0^e$	0.7364	0.6307
6	$3s 3p_{1/2}^2 3p_{3/2}^3$	$^3P_2^o$	2.5840	2.6601
7	$3s 3p_{1/2} 3p_{3/2}^4$	$^3P_1^o$	2.6715	2.7483
8	$3s 3p_{1/2} 3p_{3/2}^4$	$^3P_0^o$	2.7262	2.8027
9	$3s 3p_{1/2}^2 3p_{3/2}^3$	$^1P_1^o$	3.2973	3.4074
10	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^5D_0^o$	.....	3.6008
11	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^5D_1^o$	.....	3.6025
12	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^5D_2^o$	.....	3.6048
13	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^5D_3^o$	.....	3.6082
14	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{5/2}$	$^5D_4^o$	.....	3.6165
15	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{5/2}$	$^3D_2^o$	.....	3.8950
16	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3D_3^o$	.....	3.9161
17	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3D_1^o$	.....	3.9327
18	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{3/2}$	$^3F_2^o$	.....	3.9843
19	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^3F_3^o$	.....	4.0130
20	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3F_4^o$	.....	4.0524
21	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^1S_0^o$	.....	4.0639
22	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^3G_3^o$	.....	4.2177
23	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3G_4^o$	.....	4.2321
24	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3G_5^o$	.....	4.2501
25	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^1G_4^o$	.....	4.3388
26	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^1D_2^o$	.....	4.4206
27	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{3/2}$	$^3D_1^o$	.....	4.5703
28	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{3/2}$	$^3P_0^o$	.....	4.5990
29	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3F_3^o$	.....	4.6047
30	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^3F_2^o$	.....	4.6144
31	$3s^2 3p_{3/2}^3 3d_{5/2}$	$^3F_4^o$	.....	4.6153
32	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{5/2}$	$^3P_1^o$	.....	4.6220
33	$3s^2 3p_{3/2}^3 3d_{3/2}$	$^3D_2^o$	.....	4.6428
34	$3s^2 3p_{3/2}^3 3d_{5/2}$	$^3P_2^o$	.....	4.7084
35	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{3/2}$	$^3D_3^o$	4.5207	4.7163
36	$3s^2 3p_{3/2}^3 3d_{5/2}$	$^1F_3^o$	.....	5.0117
37	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^3S_1^o$	4.8612	5.0301
38	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^3P_2^o$	4.8415	5.2142
39	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{3/2}$	$^3P_1^o$	4.9335	5.2613
40	$3s^2 3p_{3/2}^3 3d_{3/2}$	$^3P_0^o$	4.9365	5.3176
41	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^1P_1^o$	.....	5.3454
42	$3s^2 3p_{1/2}^2 3p_{3/2} 3d_{5/2}$	$^3D_3^o$	5.0512	5.3682
43	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^3D_2^o$	5.1178	5.4332
44	$3s^2 3p_{3/2}^3 3d_{3/2}$	$^3D_1^o$	5.1612	5.4853
45	$3s^2 3p_{1/2} 3p_{3/2}^2 3d_{5/2}$	$^1D_2^o$	5.2750	5.5673
46	$3s^2 3p_{3/2}^3 3d_{3/2}$	$^1F_3^o$	5.4132	5.7961
47	$3s^2 3p_{3/2}^3 3d_{5/2}$	$^1P_1^o$	5.6779	6.0818
48	$3p_{1/2}^2 3p_{3/2}^4$	$^1S_0^e$	.....	7.1606

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
1	2	2.635-1	2.420-1	2.327-1	2.286-1	2.264-1	2.258-1	2.256-1	2.251-1	2.249-1	2.245-1
1	3	1.088-1	1.067-1	1.065-1	1.071-1	1.077-1	1.086-1	1.097-1	1.098-1	1.107-1	1.106-1
1	4	1.141-1	9.012-2	7.846-2	7.242-2	6.874-2	6.663-2	6.515-2	6.403-2	6.318-2	6.248-2
1	5	5.483-3	3.377-3	2.482-3	2.063-3	1.794-3	1.237-3	1.279-3	1.028-3	1.072-3	1.193-3
1	6	1.430-0	1.630-0	1.781-0	1.906-0	2.024-0	2.123-0	2.207-0	2.291-0	2.370-0	2.443-0
1	7	4.933-1	5.636-1	6.161-1	6.595-1	7.005-1	7.344-1	7.644-1	7.919-1	8.213-1	8.433-1
1	8	3.578-3	2.323-3	1.561-3	1.115-3	8.404-4	6.588-4	5.311-4	4.395-4	3.714-4	3.186-4
1	9	6.798-2	6.048-2	5.665-2	5.534-2	5.538-2	5.624-2	5.721-2	5.831-2	5.969-2	6.072-2
1	10	6.536-3	3.759-3	2.377-3	1.631-3	1.187-3	9.010-4	7.030-4	5.661-4	4.627-4	3.875-4
1	11	2.388-2	1.643-2	1.288-2	1.111-2	1.018-2	9.702-3	9.424-3	9.297-3	9.275-3	9.265-3
1	12	4.423-2	3.128-2	2.510-2	2.207-2	2.052-2	1.980-2	1.940-2	1.929-2	1.931-2	1.942-2
1	13	6.221-2	3.985-2	2.865-2	2.274-2	1.939-2	1.743-2	1.613-2	1.535-2	1.482-2	1.449-2
1	14	8.247-2	4.872-2	3.123-2	2.166-2	1.599-2	1.237-2	9.880-3	8.158-3	6.890-3	5.943-3
1	15	5.649-2	4.606-2	4.158-2	3.985-2	3.934-2	3.939-2	3.966-2	4.013-2	4.061-2	4.116-2
1	16	6.216-2	4.670-2	3.924-2	3.565-2	3.391-2	3.308-2	3.270-2	3.263-2	3.270-2	3.289-2
1	17	1.800-2	1.682-2	1.678-2	1.715-2	1.764-2	1.813-2	1.859-2	1.904-2	1.945-2	1.985-2
1	18	1.600-2	1.075-2	8.279-3	7.030-3	6.349-3	5.964-3	5.745-3	5.626-3	5.563-3	5.540-3
1	19	3.035-2	2.466-2	2.251-2	2.180-2	2.168-2	2.181-2	2.203-2	2.235-2	2.265-2	2.299-2
1	20	4.683-2	4.220-2	4.133-2	4.184-2	4.278-2	4.381-2	4.476-2	4.576-2	4.664-2	4.753-2
1	21	7.967-3	4.869-3	3.162-3	2.190-3	1.601-3	1.219-3	9.560-4	7.713-4	6.348-4	5.309-4
1	22	2.204-2	1.602-2	1.330-2	1.204-2	1.143-2	1.115-2	1.106-2	1.108-2	1.114-2	1.123-2
1	23	3.525-2	2.682-2	2.327-2	2.181-2	2.121-2	2.100-2	2.097-2	2.109-2	2.124-2	2.145-2
1	24	7.818-2	7.313-2	7.316-2	7.497-2	7.719-2	7.935-2	8.126-2	8.317-2	8.483-2	8.644-2
1	25	3.690-2	2.307-2	1.633-2	1.278-2	1.071-2	9.405-3	8.529-3	7.959-3	7.541-3	7.260-3
1	26	2.867-2	2.097-2	1.700-2	1.497-2	1.390-2	1.335-2	1.311-2	1.302-2	1.304-2	1.310-2
1	27	2.561-2	2.608-2	2.731-2	2.872-2	3.005-2	3.122-2	3.224-2	3.320-2	3.405-2	3.482-2
1	28	2.214-3	1.126-3	6.305-4	3.865-4	2.543-4	1.765-4	1.268-4	9.482-5	7.273-5	5.652-5
1	29	2.489-2	2.521-2	2.616-2	2.739-2	2.857-2	2.975-2	3.086-2	3.210-2	3.312-2	3.407-2
1	30	6.261-3	4.251-3	3.344-3	2.927-3	2.722-3	2.621-3	2.573-3	2.563-3	2.566-3	2.579-3
1	31	1.591-2	9.798-3	7.105-3	5.852-3	5.218-3	4.876-3	4.678-3	4.579-3	4.525-3	4.504-3
1	32	7.930-2	9.328-2	1.032-1	1.114-1	1.181-1	1.241-1	1.298-1	1.354-1	1.405-1	1.446-1
1	33	2.817-2	2.883-2	3.019-2	3.174-2	3.318-2	3.445-2	3.558-2	3.666-2	3.760-2	3.847-2
1	34	1.826-1	2.219-1	2.483-1	2.694-1	2.863-1	3.012-1	3.150-1	3.291-1	3.411-1	3.519-1
1	35	5.303-2	5.817-2	6.266-2	6.683-2	7.045-2	7.376-2	7.679-2	7.995-2	8.259-2	8.502-2
1	36	4.634-2	5.063-2	5.420-2	5.765-2	6.066-2	6.347-2	6.607-2	6.893-2	7.131-2	7.353-2
1	37	1.187-0	1.469-0	1.657-0	1.807-0	1.926-0	2.030-0	2.125-0	2.220-0	2.306-0	2.376-0
1	38	4.997-0	6.211-0	7.011-0	7.647-0	8.169-0	8.596-0	8.989-0	9.360-0	9.749-0	1.007+1
1	39	1.394-0	1.727-0	1.951-0	2.128-0	2.274-0	2.392-0	2.503-0	2.604-0	2.714-0	2.797-0
1	40	3.351-3	2.064-3	1.452-3	1.115-3	9.050-4	7.609-4	6.554-4	5.763-4	5.147-4	4.655-4
1	41	5.039-2	5.957-2	6.604-2	7.144-2	7.597-2	7.970-2	8.318-2	8.644-2	8.998-2	9.265-2
1	42	7.340-0	9.187-0	1.039+1	1.135+1	1.214+1	1.278+1	1.337+1	1.393+1	1.451+1	1.500+1
1	43	8.438-1	1.046-0	1.181-0	1.290-0	1.379-0	1.452-0	1.518-0	1.581-0	1.647-0	1.701-0
1	44	5.513-2	6.403-2	7.036-2	7.574-2	8.028-2	8.401-2	8.746-2	9.073-2	9.422-2	9.692-2
1	45	3.378-2	3.436-2	3.562-2	3.731-2	3.898-2	4.046-2	4.189-2	4.332-2	4.488-2	4.617-2
1	46	4.477-2	4.230-2	4.224-2	4.341-2	4.489-2	4.640-2	4.776-2	4.925-2	5.082-2	5.237-2
1	47	5.903-3	3.771-3	2.886-3	2.530-3	2.377-3	2.314-3	2.294-3	2.295-3	2.318-3	2.351-3
1	48	1.698-3	1.292-3	1.047-3	8.923-4	7.864-4	7.088-4	6.503-4	6.056-4	5.712-4	5.420-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
2	3	2.966-2	1.804-2	1.211-2	8.736-3	6.587-3	5.187-3	4.170-3	3.430-3	2.864-3	2.428-3
2	4	5.253-2	3.475-2	2.574-2	2.083-2	1.775-2	1.582-2	1.443-2	1.341-2	1.265-2	1.205-2
2	5	7.017-3	3.730-3	2.287-3	1.552-3	1.117-3	8.538-4	6.639-4	5.351-4	4.353-4	3.633-4
2	6	5.191-1	5.921-1	6.471-1	6.931-1	7.361-1	7.721-1	8.017-1	8.344-1	8.611-1	8.906-1
2	7	3.038-1	3.428-1	3.724-1	3.975-1	4.213-1	4.413-1	4.585-1	4.757-1	4.920-1	5.071-1
2	8	3.766-1	4.353-1	4.785-1	5.140-1	5.469-1	5.740-1	5.976-1	6.196-1	6.427-1	6.606-1
2	9	2.807-2	1.930-2	1.413-2	1.121-2	9.518-3	8.488-3	7.802-3	7.362-3	7.074-3	6.874-3
2	10	6.580-3	5.716-3	5.388-3	5.322-3	5.376-3	5.503-3	5.628-3	5.763-3	5.919-3	6.039-3
2	11	1.670-2	1.164-2	9.116-3	7.844-3	7.183-3	6.856-3	6.665-3	6.587-3	6.572-3	6.586-3
2	12	2.593-2	1.530-2	9.744-3	6.689-3	4.873-3	3.709-3	2.908-3	2.350-3	1.937-3	1.628-3
2	13	3.235-2	1.911-2	1.227-2	8.518-3	6.287-3	4.851-3	3.861-3	3.174-3	2.663-3	2.283-3
2	14	2.822-2	1.615-2	1.021-2	7.054-3	5.197-3	4.012-3	3.199-3	2.642-3	2.225-3	1.924-3
2	15	8.379-3	6.466-3	5.517-3	5.062-3	4.846-3	4.773-3	4.743-3	4.768-3	4.801-3	4.860-3
2	16	3.214-2	2.327-2	1.905-2	1.700-2	1.597-2	1.543-2	1.514-2	1.503-2	1.500-2	1.504-2
2	17	1.806-2	1.087-2	7.114-3	5.053-3	3.839-3	3.071-3	2.552-3	2.197-3	1.942-3	1.751-3
2	18	2.353-2	2.321-2	2.389-2	2.486-2	2.585-2	2.674-2	2.752-2	2.826-2	2.890-2	2.953-2
2	19	1.435-2	1.128-2	1.002-2	9.528-3	9.355-3	9.323-3	9.346-3	9.430-3	9.517-3	9.629-3
2	20	1.396-2	1.140-2	1.043-2	1.012-2	1.006-2	1.011-2	1.019-2	1.032-2	1.044-2	1.057-2
2	21	6.120-3	4.440-3	3.533-3	3.047-3	2.782-3	2.637-3	2.562-3	2.522-3	2.512-3	2.506-3
2	22	3.142-2	2.674-2	2.519-2	2.490-2	2.507-2	2.541-2	2.578-2	2.623-2	2.664-2	2.707-2
2	23	3.585-2	3.583-2	3.720-2	3.892-2	4.057-2	4.204-2	4.326-2	4.444-2	4.545-2	4.640-2
2	24	1.190-2	6.882-3	4.388-3	3.042-3	2.232-3	1.704-3	1.338-3	1.085-3	8.916-4	7.504-4
2	25	1.642-2	9.781-3	6.462-3	4.670-3	3.590-3	2.888-3	2.405-3	2.073-3	1.823-3	1.642-3
2	26	2.619-2	1.762-2	1.311-2	1.068-2	9.289-3	8.455-3	7.945-3	7.633-3	7.428-3	7.316-3
2	27	7.884-3	7.169-3	6.959-3	6.995-3	7.141-3	7.331-3	7.556-3	7.796-3	8.022-3	8.230-3
2	28	2.968-3	3.227-3	3.455-3	3.667-3	3.863-3	4.043-3	4.220-3	4.387-3	4.545-3	4.672-3
2	29	1.123-2	6.310-3	3.985-3	2.796-3	2.116-3	1.693-3	1.411-3	1.223-3	1.086-3	9.883-4
2	30	1.678-2	1.558-2	1.557-2	1.598-2	1.650-2	1.700-2	1.746-2	1.790-2	1.830-2	1.868-2
2	31	1.959-2	1.665-2	1.572-2	1.561-2	1.579-2	1.605-2	1.631-2	1.662-2	1.690-2	1.717-2
2	32	2.705-3	1.494-3	9.441-4	6.752-4	5.323-4	4.503-4	4.010-4	3.717-4	3.535-4	3.412-4
2	33	7.043-2	8.156-2	8.968-2	9.636-2	1.022-1	1.073-1	1.121-1	1.171-1	1.211-1	1.251-1
2	34	5.929-2	6.860-2	7.531-2	8.095-2	8.562-2	8.990-2	9.382-2	9.804-2	1.014-1	1.048-1
2	35	2.614-2	2.626-2	2.729-2	2.857-2	2.981-2	3.090-2	3.184-2	3.273-2	3.350-2	3.423-2
2	36	9.016-3	4.892-3	2.965-3	2.021-3	1.508-3	1.204-3	1.010-3	8.865-4	8.006-4	7.397-4
2	37	4.320-1	5.334-1	6.002-1	6.536-1	6.964-1	7.338-1	7.679-1	8.028-1	8.330-1	8.598-1
2	38	1.052-0	1.302-0	1.466-0	1.596-0	1.703-0	1.791-0	1.872-0	1.954-0	2.029-0	2.098-0
2	39	1.019-0	1.266-0	1.428-0	1.558-0	1.664-0	1.751-0	1.831-0	1.910-0	1.985-0	2.049-0
2	40	1.274-0	1.586-0	1.792-0	1.956-0	2.091-0	2.200-0	2.301-0	2.395-0	2.496-0	2.573-0
2	41	1.646-1	2.016-1	2.265-1	2.466-1	2.633-1	2.769-1	2.894-1	3.012-1	3.137-1	3.238-1
2	42	2.003-2	1.524-2	1.301-2	1.202-2	1.152-2	1.123-2	1.106-2	1.099-2	1.095-2	1.094-2
2	43	4.002-0	5.014-0	5.675-0	6.199-0	6.630-0	6.982-0	7.300-0	7.610-0	7.922-0	8.196-0
2	44	1.260-0	1.576-0	1.784-0	1.950-0	2.086-0	2.197-0	2.298-0	2.393-0	2.493-0	2.575-0
2	45	4.118-1	5.102-1	5.754-1	6.277-1	6.712-1	7.066-1	7.385-1	7.697-1	8.012-1	8.289-1
2	46	1.587-2	8.790-3	5.386-3	3.663-3	2.657-3	2.018-3	1.586-3	1.292-3	1.070-3	9.095-4
2	47	8.120-3	7.017-3	6.755-3	6.862-3	7.080-3	7.322-3	7.548-3	7.787-3	8.036-3	8.303-3
2	48	7.927-5	4.715-5	2.795-5	1.745-5	1.164-5	8.196-6	6.049-6	4.623-6	3.644-6	2.912-6
3	4	2.770-2	2.242-2	1.977-2	1.840-2	1.756-2	1.709-2	1.679-2	1.649-2	1.638-2	1.618-2

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
3	5	1.456-3	7.259-4	4.283-4	2.862-4	2.055-4	1.591-4	1.256-4	1.040-4	8.674-5	7.498-5
3	6	1.210-2	7.778-3	5.157-3	3.636-3	2.708-3	2.098-3	1.672-3	1.368-3	1.144-3	9.704-4
3	7	3.580-1	4.148-1	4.567-1	4.909-1	5.226-1	5.489-1	5.706-1	5.936-1	6.131-1	6.344-1
3	8	1.987-3	1.286-3	8.493-4	5.946-4	4.396-4	3.383-4	2.678-4	2.178-4	1.810-4	1.527-4
3	9	8.121-3	5.315-3	3.652-3	2.696-3	2.124-3	1.759-3	1.508-3	1.337-3	1.213-3	1.122-3
3	10	3.353-3	2.031-3	1.311-3	9.064-4	6.632-4	5.059-4	3.972-4	3.206-4	2.642-4	2.212-4
3	11	7.942-3	5.305-3	3.919-3	3.176-3	2.758-3	2.517-3	2.358-3	2.265-3	2.205-3	2.174-3
3	12	6.375-3	3.668-3	2.288-3	1.543-3	1.108-3	8.326-4	6.449-4	5.151-4	4.203-4	3.490-4
3	13	6.082-3	3.357-3	2.048-3	1.366-3	9.736-4	7.292-4	5.635-4	4.517-4	3.692-4	3.094-4
3	14	1.146-2	6.652-3	4.239-3	2.930-3	2.144-3	1.634-3	1.280-3	1.034-3	8.471-4	7.115-4
3	15	1.008-2	5.824-3	3.654-3	2.477-3	1.783-3	1.341-3	1.039-3	8.305-4	6.773-4	5.626-4
3	16	4.021-3	3.829-3	3.868-3	3.983-3	4.115-3	4.240-3	4.346-3	4.453-3	4.544-3	4.635-3
3	17	3.588-3	2.271-3	1.555-3	1.154-3	9.160-4	7.652-4	6.627-4	5.928-4	5.425-4	5.059-4
3	18	4.574-3	2.695-3	1.728-3	1.194-3	8.725-4	6.641-4	5.198-4	4.194-4	3.440-4	2.881-4
3	19	8.209-3	8.934-3	9.668-3	1.033-2	1.090-2	1.137-2	1.176-2	1.212-2	1.242-2	1.270-2
3	20	5.566-4	3.151-4	2.015-4	1.405-4	1.037-4	7.955-5	6.274-5	5.109-5	4.218-5	3.567-5
3	21	1.540-3	9.475-4	6.169-4	4.279-4	3.134-4	2.390-4	1.876-4	1.514-4	1.248-4	1.045-4
3	22	1.780-2	1.823-2	1.916-2	2.016-2	2.110-2	2.191-2	2.257-2	2.321-2	2.374-2	2.426-2
3	23	7.817-3	4.520-3	2.880-3	1.994-3	1.460-3	1.113-3	8.715-4	7.046-4	5.776-4	4.849-4
3	24	3.384-5	1.757-5	1.352-5	1.204-5	1.117-5	1.045-5	9.822-6	9.277-6	8.828-6	8.378-6
3	25	4.765-3	2.781-3	1.786-3	1.244-3	9.141-4	6.979-4	5.478-4	4.435-4	3.640-4	3.058-4
3	26	1.046-2	6.252-3	4.018-3	2.774-3	2.025-3	1.539-3	1.205-3	9.708-4	7.975-4	6.665-4
3	27	2.986-2	3.537-2	3.922-2	4.228-2	4.493-2	4.727-2	4.960-2	5.165-2	5.348-2	5.527-2
3	28	1.111-4	6.436-5	4.030-5	2.737-5	1.982-5	1.500-5	1.173-5	9.444-6	7.771-6	6.497-6
3	29	9.495-3	9.017-3	9.144-3	9.468-3	9.826-3	1.016-2	1.044-2	1.072-2	1.096-2	1.119-2
3	30	7.448-3	4.183-3	2.571-3	1.723-3	1.228-3	9.164-4	7.057-4	5.618-4	4.557-4	3.772-4
3	31	1.537-3	8.915-4	5.683-4	3.941-4	2.887-4	2.198-4	1.722-4	1.392-4	1.140-4	9.561-5
3	32	3.129-3	2.843-3	2.753-3	2.760-3	2.810-3	2.879-3	2.960-3	3.048-3	3.128-3	3.210-3
3	33	1.763-3	9.977-4	6.207-4	4.200-4	3.027-4	2.284-4	1.781-4	1.433-4	1.180-4	9.860-5
3	34	3.219-3	1.713-3	1.007-3	6.486-4	4.473-4	3.244-4	2.433-4	1.891-4	1.505-4	1.217-4
3	35	1.073-2	1.167-2	1.262-2	1.348-2	1.423-2	1.484-2	1.535-2	1.581-2	1.621-2	1.658-2
3	36	2.978-3	1.881-3	1.396-3	1.180-3	1.077-3	1.024-3	9.957-4	9.848-4	9.804-4	9.815-4
3	37	1.184-1	1.465-1	1.649-1	1.796-1	1.914-1	2.017-1	2.110-1	2.208-1	2.289-1	2.367-1
3	38	4.177-3	2.495-3	1.713-3	1.295-3	1.041-3	8.687-4	7.439-4	6.517-4	5.802-4	5.233-4
3	39	8.900-1	1.108-0	1.251-0	1.364-0	1.457-0	1.533-0	1.602-0	1.672-0	1.737-0	1.796-0
3	40	1.202-3	6.067-4	3.467-4	2.219-4	1.535-4	1.124-4	8.519-5	6.705-5	5.400-5	4.425-5
3	41	3.627-1	4.528-1	5.119-1	5.589-1	5.975-1	6.290-1	6.577-1	6.851-1	7.132-1	7.376-1
3	42	7.337-3	6.061-3	5.491-3	5.264-3	5.169-3	5.121-3	5.095-3	5.099-3	5.102-3	5.120-3
3	43	3.392-3	1.835-3	1.109-3	7.561-4	5.579-4	4.348-4	3.522-4	2.952-4	2.530-4	2.212-4
3	44	1.748-0	2.193-0	2.484-0	2.716-0	2.906-0	3.061-0	3.201-0	3.335-0	3.472-0	3.592-0
3	45	3.708-3	2.043-3	1.237-3	8.269-4	5.916-4	4.442-4	3.453-4	2.778-4	2.279-4	1.910-4
3	46	5.897-3	3.559-3	2.427-3	1.855-3	1.520-3	1.306-3	1.161-3	1.063-3	9.890-4	9.366-4
3	47	4.302-2	5.381-2	6.118-2	6.712-2	7.208-2	7.625-2	7.969-2	8.299-2	8.615-2	8.955-2
3	48	3.199-4	2.640-4	2.270-4	2.066-4	1.907-4	1.763-4	1.645-4	1.551-4	1.462-4	1.388-4
4	5	3.477-1	3.492-1	3.521-1	3.556-1	3.584-1	3.613-1	3.652-1	3.657-1	3.683-1	3.682-1
4	6	9.761-2	9.460-2	9.439-2	9.659-2	9.924-2	1.021-1	1.049-1	1.081-1	1.113-1	1.144-1
4	7	2.772-2	1.779-2	1.196-2	8.682-3	6.739-3	5.490-3	4.634-3	4.039-3	3.617-3	3.291-3

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
4	8	1.053-2	6.608-3	4.298-3	2.987-3	2.203-3	1.693-3	1.340-3	1.090-3	9.066-4	7.652-4
4	9	1.588-0	1.864-0	2.062-0	2.219-0	2.366-0	2.487-0	2.594-0	2.690-0	2.790-0	2.865-0
4	10	1.457-4	8.489-5	5.410-5	3.735-5	2.735-5	2.086-5	1.634-5	1.321-5	1.084-5	9.110-6
4	11	5.011-4	3.400-4	2.617-4	2.220-4	2.007-4	1.890-4	1.819-4	1.781-4	1.766-4	1.756-4
4	12	8.186-4	5.743-4	4.556-4	3.967-4	3.665-4	3.517-4	3.431-4	3.401-4	3.398-4	3.410-4
4	13	8.785-4	5.543-4	3.904-4	3.038-4	2.549-4	2.256-4	2.062-4	1.941-4	1.858-4	1.805-4
4	14	9.253-4	5.368-4	3.390-4	2.323-4	1.694-4	1.291-4	1.014-4	8.228-5	6.806-5	5.766-5
4	15	1.994-2	1.215-2	8.077-3	5.833-3	4.500-3	3.647-3	3.062-3	2.662-3	2.369-3	2.154-3
4	16	2.811-2	1.690-2	1.110-2	7.923-3	6.027-3	4.809-3	3.972-3	3.397-3	2.971-3	2.660-3
4	17	1.396-2	8.590-3	5.774-3	4.225-3	3.307-3	2.720-3	2.319-3	2.045-3	1.845-3	1.699-3
4	18	4.769-2	2.862-2	1.840-2	1.270-2	9.294-3	7.089-3	5.570-3	4.506-3	3.722-3	3.128-3
4	19	7.499-2	4.658-2	3.149-2	2.318-2	1.827-2	1.518-2	1.308-2	1.166-2	1.064-2	9.891-3
4	20	9.681-2	5.789-2	3.717-2	2.568-2	1.880-2	1.436-2	1.131-2	9.167-3	7.587-3	6.397-3
4	21	2.501-3	1.260-3	7.181-4	4.518-4	3.057-4	2.176-4	1.602-4	1.224-4	9.605-5	7.646-5
4	22	3.516-2	2.554-2	2.117-2	1.920-2	1.828-2	1.797-2	1.790-2	1.802-2	1.820-2	1.843-2
4	23	4.143-2	2.373-2	1.507-2	1.051-2	7.844-3	6.150-3	4.997-3	4.213-3	3.631-3	3.210-3
4	24	5.952-2	3.464-2	2.258-2	1.630-2	1.267-2	1.038-2	8.839-3	7.805-3	7.041-3	6.499-3
4	25	7.249-2	7.606-2	8.138-2	8.664-2	9.131-2	9.532-2	9.864-2	1.017-1	1.044-1	1.069-1
4	26	1.065-1	1.251-1	1.388-1	1.497-1	1.589-1	1.670-1	1.745-1	1.809-1	1.869-1	1.922-1
4	27	2.489-2	2.241-2	2.150-2	2.142-2	2.172-2	2.221-2	2.285-2	2.344-2	2.409-2	2.460-2
4	28	3.229-3	1.848-3	1.141-3	7.650-4	5.463-4	4.078-4	3.144-4	2.505-4	2.035-4	1.687-4
4	29	3.378-2	2.390-2	1.927-2	1.706-2	1.597-2	1.544-2	1.525-2	1.525-2	1.531-2	1.545-2
4	30	2.638-2	1.955-2	1.644-2	1.505-2	1.444-2	1.420-2	1.419-2	1.429-2	1.444-2	1.462-2
4	31	3.633-2	2.422-2	1.857-2	1.583-2	1.437-2	1.354-2	1.304-2	1.278-2	1.262-2	1.255-2
4	32	2.101-2	1.967-2	1.939-2	1.965-2	2.015-2	2.074-2	2.145-2	2.208-2	2.276-2	2.329-2
4	33	3.091-2	2.366-2	2.021-2	1.865-2	1.799-2	1.778-2	1.786-2	1.804-2	1.829-2	1.856-2
4	34	2.591-2	1.920-2	1.597-2	1.448-2	1.381-2	1.354-2	1.352-2	1.360-2	1.375-2	1.393-2
4	35	4.181-2	2.795-2	2.091-2	1.735-2	1.544-2	1.437-2	1.379-2	1.348-2	1.332-2	1.327-2
4	36	5.686-2	6.214-2	6.755-2	7.247-2	7.669-2	8.021-2	8.316-2	8.586-2	8.820-2	9.031-2
4	37	5.498-2	6.131-2	6.640-2	7.107-2	7.506-2	7.872-2	8.224-2	8.576-2	8.896-2	9.153-2
4	38	1.017-1	1.135-1	1.228-1	1.312-1	1.383-1	1.449-1	1.510-1	1.575-1	1.630-1	1.680-1
4	39	6.307-1	7.755-1	8.721-1	9.490-1	1.010-0	1.064-0	1.113-0	1.163-0	1.207-0	1.243-0
4	40	3.888-3	2.051-3	1.207-3	7.935-4	5.608-4	4.171-4	3.215-4	2.572-4	2.099-4	1.748-4
4	41	3.353-0	4.166-0	4.704-0	5.130-0	5.467-0	5.762-0	6.031-0	6.300-0	6.542-0	6.739-0
4	42	2.459-2	1.955-2	1.737-2	1.658-2	1.633-2	1.634-2	1.648-2	1.679-2	1.706-2	1.736-2
4	43	2.529-1	3.073-1	3.438-1	3.736-1	3.977-1	4.189-1	4.380-1	4.579-1	4.749-1	4.903-1
4	44	1.142-1	1.348-1	1.493-1	1.614-1	1.715-1	1.799-1	1.879-1	1.956-1	2.033-1	2.093-1
4	45	3.281-0	4.127-0	4.681-0	5.118-0	5.479-0	5.771-0	6.041-0	6.296-0	6.561-0	6.777-0
4	46	8.481-0	1.067+1	1.210+1	1.323+1	1.416+1	1.492+1	1.560+1	1.627+1	1.695+1	1.752+1
4	47	7.014-2	7.675-2	8.151-2	8.573-2	8.937-2	9.245-2	9.508-2	9.767-2	1.005-1	1.027-1
4	48	4.063-2	3.127-2	2.587-2	2.242-2	2.002-2	1.825-2	1.692-2	1.593-2	1.512-2	1.444-2
5	6	1.002-2	6.374-3	4.194-3	2.942-3	2.183-3	1.684-3	1.337-3	1.090-3	9.082-4	7.677-4
5	7	4.152-2	4.210-2	4.311-2	4.474-2	4.632-2	4.791-2	4.935-2	5.108-2	5.263-2	5.440-2
5	8	5.300-3	3.402-3	2.245-3	1.574-3	1.167-3	8.990-4	7.128-4	5.804-4	4.831-4	4.080-4
5	9	4.176-2	4.669-2	5.060-2	5.390-2	5.711-2	5.980-2	6.208-2	6.445-2	6.652-2	6.869-2
5	10	1.517-4	9.379-5	6.095-5	4.230-5	3.105-5	2.372-5	1.866-5	1.508-5	1.245-5	1.044-5
5	11	3.393-4	2.278-4	1.665-4	1.330-4	1.141-4	1.023-4	9.469-5	8.999-5	8.689-5	8.504-5

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
5	12	2.311-4	1.377-4	8.745-5	5.972-5	4.331-5	3.278-5	2.556-5	2.052-5	1.684-5	1.405-5
5	13	9.062-5	4.864-5	2.879-5	1.866-5	1.296-5	9.466-6	7.133-6	5.578-6	4.453-6	3.641-6
5	14	1.421-4	8.198-5	5.199-5	3.581-5	2.617-5	1.991-5	1.556-5	1.256-5	1.028-5	8.631-6
5	15	6.022-4	3.358-4	2.060-4	1.373-4	9.765-5	7.279-5	5.595-5	4.447-5	3.607-5	2.985-5
5	16	6.191-4	3.666-4	2.562-4	2.039-4	1.771-4	1.624-4	1.534-4	1.486-4	1.455-4	1.440-4
5	17	6.450-4	5.871-4	5.757-4	5.827-4	5.982-4	6.189-4	6.366-4	6.561-4	6.741-4	6.929-4
5	18	1.396-3	8.102-4	5.113-4	3.498-4	2.540-4	1.924-4	1.499-4	1.207-4	9.859-5	8.261-5
5	19	3.319-3	2.201-3	1.649-3	1.365-3	1.206-3	1.110-3	1.047-3	1.009-3	9.827-4	9.679-4
5	20	5.746-3	3.366-3	2.145-3	1.480-3	1.081-3	8.222-4	6.427-4	5.187-4	4.246-4	3.564-4
5	21	9.374-6	5.892-6	3.930-6	2.761-6	2.037-6	1.560-6	1.229-6	9.958-7	8.229-7	6.918-7
5	22	3.398-4	3.325-4	3.439-4	3.602-4	3.762-4	3.905-4	4.024-4	4.139-4	4.237-4	4.333-4
5	23	1.436-4	7.754-5	4.700-5	3.156-5	2.263-5	1.699-5	1.316-5	1.055-5	8.585-6	7.179-6
5	24	5.173-5	2.198-5	1.103-5	6.729-6	4.595-6	3.399-6	2.669-6	2.176-6	1.837-6	1.597-6
5	25	2.388-4	1.362-4	9.207-5	6.942-5	5.588-5	4.672-5	4.013-5	3.547-5	3.172-5	2.891-5
5	26	3.682-3	1.854-3	1.045-3	6.494-4	4.348-4	3.055-4	2.227-4	1.683-4	1.307-4	1.036-4
5	27	2.371-3	1.919-3	1.743-3	1.693-3	1.698-3	1.729-3	1.774-3	1.821-3	1.867-3	1.916-3
5	28	4.974-3	3.000-3	1.919-3	1.319-3	9.611-4	7.299-4	5.714-4	4.601-4	3.785-4	3.164-4
5	29	1.558-2	9.637-3	6.737-3	5.229-3	4.353-3	3.799-3	3.425-3	3.182-3	3.003-3	2.882-3
5	30	6.658-3	3.778-3	2.363-3	1.614-3	1.170-3	8.837-4	6.875-4	5.524-4	4.508-4	3.766-4
5	31	2.578-2	1.486-2	9.410-3	6.493-3	4.747-3	3.607-3	2.822-3	2.278-3	1.866-3	1.566-3
5	32	1.471-2	9.259-3	6.296-3	4.673-3	3.723-3	3.126-3	2.732-3	2.464-3	2.275-3	2.140-3
5	33	5.561-3	3.042-3	1.820-3	1.194-3	8.380-4	6.162-4	4.688-4	3.693-4	2.970-4	2.440-4
5	34	2.528-2	1.514-2	9.646-3	6.615-3	4.810-3	3.648-3	2.852-3	2.294-3	1.886-3	1.575-3
5	35	5.723-3	2.945-3	1.649-3	1.022-3	6.871-4	4.909-4	3.672-4	2.878-4	2.335-4	1.943-4
5	36	2.723-2	3.082-2	3.400-2	3.674-2	3.904-2	4.090-2	4.241-2	4.380-2	4.496-2	4.604-2
5	37	3.857-3	4.226-3	4.495-3	4.743-3	4.980-3	5.200-3	5.430-3	5.635-3	5.824-3	6.007-3
5	38	3.793-4	1.870-4	1.097-4	7.620-5	5.822-5	4.701-5	3.903-5	3.344-5	2.918-5	2.559-5
5	39	2.529-3	1.969-3	1.736-3	1.651-3	1.621-3	1.618-3	1.631-3	1.660-3	1.687-3	1.717-3
5	40	1.117-3	5.730-4	3.331-4	2.175-4	1.535-4	1.144-4	8.807-5	7.021-5	5.731-5	4.733-5
5	41	1.763-1	2.148-1	2.403-1	2.605-1	2.767-1	2.910-1	3.040-1	3.176-1	3.289-1	3.397-1
5	42	2.296-3	1.232-3	7.726-4	5.698-4	4.692-4	4.145-4	3.823-4	3.641-4	3.530-4	3.461-4
5	43	2.232-3	1.165-3	6.859-4	4.577-4	3.336-4	2.583-4	2.085-4	1.744-4	1.497-4	1.308-4
5	44	1.996-2	2.356-2	2.607-2	2.819-2	2.993-2	3.148-2	3.289-2	3.437-2	3.562-2	3.681-2
5	45	6.535-3	4.376-3	3.223-3	2.564-3	2.142-3	1.842-3	1.621-3	1.450-3	1.316-3	1.208-3
5	46	1.754-2	1.806-2	1.838-2	1.876-2	1.911-2	1.936-2	1.956-2	1.978-2	1.995-2	2.013-2
5	47	2.569-0	3.256-0	3.706-0	4.061-0	4.355-0	4.593-0	4.805-0	5.008-0	5.218-0	5.399-0
5	48	3.579-3	2.945-3	2.518-3	2.281-3	2.097-3	1.929-3	1.791-3	1.683-3	1.580-3	1.495-3
6	7	2.635-1	2.338-1	2.223-1	2.163-1	2.135-1	2.115-1	2.103-1	2.090-1	2.088-1	2.084-1
6	8	9.603-2	9.246-2	9.172-2	9.145-2	9.168-2	9.181-2	9.193-2	9.170-2	9.215-2	9.197-2
6	9	3.098-2	1.721-2	1.146-2	8.496-3	6.856-3	5.794-3	5.238-3	4.506-3	4.142-3	3.850-3
6	10	4.260-4	3.688-4	3.447-4	3.318-4	3.261-4	3.313-4	3.208-4	3.144-4	3.147-4	3.122-4
6	11	1.107-3	8.231-4	7.037-4	6.410-4	6.066-4	5.827-4	5.678-4	5.568-4	5.505-4	5.447-4
6	12	1.990-3	1.226-3	9.103-4	7.464-4	6.537-4	5.925-4	5.512-4	5.221-4	5.021-4	4.862-4
6	13	3.450-3	1.954-3	1.347-3	1.036-3	8.795-4	7.442-4	6.970-4	6.227-4	5.731-4	5.386-4
6	14	5.370-3	3.101-3	2.198-3	1.741-3	1.479-3	1.310-3	1.194-3	1.118-3	1.062-3	1.024-3
6	15	5.699-3	4.309-3	3.847-3	3.647-3	3.566-3	3.539-3	3.541-3	3.559-3	3.600-3	3.651-3
6	16	1.240-2	1.016-2	9.438-3	9.117-3	8.984-3	8.969-3	9.074-3	9.179-3	9.319-3	9.494-3

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
6	17	1.485-3	9.251-4	7.199-4	6.212-4	5.690-4	5.394-4	5.267-4	5.176-4	5.161-4	5.166-4
6	18	2.540-3	1.307-3	8.835-4	7.003-4	6.155-4	5.695-4	5.464-4	5.322-4	5.295-4	5.276-4
6	19	6.114-3	4.303-3	3.703-3	3.455-3	3.359-3	3.314-3	3.300-3	3.308-3	3.341-3	3.379-3
6	20	2.302-2	2.032-2	1.955-2	1.927-2	1.925-2	1.939-2	1.961-2	1.986-2	2.017-2	2.051-2
6	21	6.832-4	3.542-4	2.268-4	1.650-4	1.325-4	1.109-4	9.391-5	8.453-5	8.005-5	7.684-5
6	22	3.455-3	1.682-3	1.067-3	7.940-4	6.603-4	5.838-4	5.417-4	5.144-4	5.028-4	4.943-4
6	23	4.042-3	2.006-3	1.371-3	1.128-3	1.030-3	9.699-4	9.451-4	9.400-4	9.496-4	9.593-4
6	24	5.765-3	2.850-3	1.897-3	1.506-3	1.333-3	1.247-3	1.211-3	1.190-3	1.193-3	1.196-3
6	25	6.511-3	3.399-3	2.213-3	1.647-3	1.344-3	1.141-3	1.011-3	9.264-4	8.756-4	8.392-4
6	26	2.050-3	9.304-4	5.300-4	3.449-4	2.489-4	1.867-4	1.421-4	1.158-4	9.986-5	8.817-5
6	27	2.439-3	1.666-3	1.424-3	1.327-3	1.285-3	1.262-3	1.263-3	1.263-3	1.279-3	1.291-3
6	28	1.153-3	1.132-3	1.153-3	1.178-3	1.205-3	1.223-3	1.235-3	1.248-3	1.267-3	1.285-3
6	29	3.658-3	2.164-3	1.629-3	1.389-3	1.271-3	1.203-3	1.165-3	1.143-3	1.136-3	1.135-3
6	30	2.304-3	1.289-3	9.523-4	8.088-4	7.412-4	7.053-4	6.916-4	6.832-4	6.847-4	6.871-4
6	31	1.233-2	1.204-2	1.209-2	1.222-2	1.239-2	1.251-2	1.263-2	1.276-2	1.294-2	1.311-2
6	32	3.047-3	2.846-3	2.830-3	2.856-3	2.899-3	2.924-3	2.932-3	2.955-3	2.991-3	3.026-3
6	33	5.325-3	4.779-3	4.661-3	4.645-3	4.668-3	4.703-3	4.767-3	4.817-3	4.887-3	4.953-3
6	34	3.157-3	2.893-3	2.813-3	2.795-3	2.800-3	2.776-3	2.716-3	2.703-3	2.705-3	2.714-3
6	35	7.559-3	7.035-3	6.988-3	7.048-3	7.143-3	7.197-3	7.235-3	7.303-3	7.395-3	7.487-3
6	36	2.889-3	1.748-3	1.359-3	1.187-3	1.100-3	1.052-3	1.026-3	1.010-3	1.004-3	1.002-3
6	37	6.060-3	3.492-3	2.505-3	2.007-3	1.708-3	1.499-3	1.339-3	1.221-3	1.129-3	1.053-3
6	38	2.546-2	1.903-2	1.603-2	1.430-2	1.314-2	1.228-2	1.158-2	1.106-2	1.066-2	1.034-2
6	39	8.076-3	6.032-3	5.107-3	4.610-3	4.317-3	4.105-3	3.935-3	3.820-3	3.743-3	3.684-3
6	40	3.413-3	2.835-3	2.539-3	2.373-3	2.274-3	2.203-3	2.164-3	2.135-3	2.119-3	2.106-3
6	41	2.986-3	2.088-3	1.712-3	1.523-3	1.414-3	1.338-3	1.290-3	1.255-3	1.233-3	1.214-3
6	42	3.227-2	2.481-2	2.133-2	1.940-2	1.821-2	1.738-2	1.679-2	1.637-2	1.606-2	1.583-2
6	43	1.532-2	1.178-2	1.022-2	9.374-3	8.862-3	8.493-3	8.278-3	8.114-3	8.018-3	7.939-3
6	44	7.521-3	5.239-3	4.259-3	3.747-3	3.451-3	3.250-3	3.130-3	3.042-3	2.987-3	2.944-3
6	45	5.491-3	3.425-3	2.690-3	2.353-3	2.176-3	2.056-3	1.958-3	1.900-3	1.861-3	1.834-3
6	46	1.283-2	6.579-3	4.126-3	2.923-3	2.253-3	1.826-3	1.549-3	1.356-3	1.223-3	1.120-3
6	47	4.900-3	2.283-3	1.313-3	8.570-4	6.096-4	4.536-4	3.457-4	2.721-4	2.221-4	1.832-4
6	48	1.393-2	8.902-3	5.623-3	3.826-3	2.772-3	2.092-3	1.640-3	1.325-3	1.097-3	9.214-4
7	8	3.872-2	2.184-2	1.422-2	1.004-2	7.536-3	5.866-3	4.682-3	3.834-3	3.209-3	2.723-3
7	9	2.459-2	1.554-2	1.172-2	9.726-3	8.616-3	7.885-3	7.406-3	7.062-3	6.844-3	6.644-3
7	10	4.568-4	2.385-4	1.484-4	1.016-4	7.484-5	5.715-5	4.488-5	3.632-5	3.015-5	2.530-5
7	11	1.214-3	6.823-4	4.674-4	3.571-4	2.962-4	2.529-4	2.330-4	2.069-4	1.906-4	1.811-4
7	12	1.383-3	7.111-4	4.457-4	3.117-4	2.382-4	1.869-4	1.533-4	1.302-4	1.139-4	1.008-4
7	13	1.343-3	7.180-4	4.702-4	3.451-4	2.752-4	2.281-4	1.970-4	1.760-4	1.609-4	1.504-4
7	14	1.384-3	7.412-4	4.720-4	3.322-4	2.530-4	2.010-4	1.654-4	1.408-4	1.235-4	1.100-4
7	15	6.430-3	5.167-3	4.730-3	4.529-3	4.446-3	4.421-3	4.448-3	4.476-3	4.538-3	4.607-3
7	16	1.913-3	1.029-3	6.979-4	5.380-4	4.530-4	4.019-4	3.689-4	3.480-4	3.355-4	3.278-4
7	17	4.230-3	3.560-3	3.347-3	3.256-3	3.226-3	3.227-3	3.260-3	3.289-3	3.342-3	3.395-3
7	18	3.858-3	3.052-3	2.777-3	2.654-3	2.604-3	2.587-3	2.593-3	2.607-3	2.639-3	2.676-3
7	19	1.250-2	1.126-2	1.093-2	1.083-2	1.085-2	1.095-2	1.111-2	1.125-2	1.145-2	1.166-2
7	20	2.101-3	1.050-3	7.013-4	5.561-4	4.915-4	4.582-4	4.432-4	4.346-4	4.349-4	4.354-4
7	21	3.630-4	1.712-4	9.728-5	6.089-5	4.100-5	2.909-5	2.146-5	1.627-5	1.274-5	1.023-5
7	22	1.659-3	9.294-4	7.585-4	7.270-4	7.409-4	7.569-4	7.774-4	8.000-4	8.269-4	8.488-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
7	23	3.277-3	1.564-3	9.153-4	6.020-4	4.313-4	3.271-4	2.608-4	2.139-4	1.832-4	1.599-4
7	24	2.694-3	1.388-3	9.915-4	8.464-4	7.954-4	7.773-4	7.792-4	7.838-4	7.990-4	8.110-4
7	25	3.065-3	1.469-3	8.623-4	5.704-4	4.123-4	3.163-4	2.556-4	2.130-4	1.855-4	1.647-4
7	26	1.208-3	5.507-4	3.109-4	1.972-4	1.364-4	1.000-4	7.695-5	6.135-5	5.093-5	4.342-5
7	27	3.465-3	3.288-3	3.284-3	3.307-3	3.341-3	3.374-3	3.444-3	3.485-3	3.555-3	3.605-3
7	28	1.760-4	8.057-5	4.623-5	2.972-5	2.068-5	1.513-5	1.153-5	9.072-6	7.381-6	6.149-6
7	29	8.569-3	8.512-3	8.623-3	8.751-3	8.889-3	9.018-3	9.165-3	9.289-3	9.441-3	9.590-3
7	30	2.022-3	1.375-3	1.142-3	1.036-3	9.843-4	9.518-4	9.436-4	9.382-4	9.446-4	9.499-4
7	31	3.053-3	1.477-3	8.951-4	6.245-4	4.838-4	4.010-4	3.511-4	3.172-4	2.973-4	2.826-4
7	32	1.206-3	1.013-3	9.594-4	9.404-4	9.353-4	9.329-4	9.440-4	9.488-4	9.631-4	9.719-4
7	33	1.966-3	1.483-3	1.353-3	1.315-3	1.311-3	1.309-3	1.306-3	1.315-3	1.329-3	1.347-3
7	34	3.438-3	3.416-3	3.464-3	3.520-3	3.579-3	3.619-3	3.658-3	3.698-3	3.750-3	3.798-3
7	35	4.148-3	3.365-3	3.152-3	3.086-3	3.076-3	3.086-3	3.111-3	3.138-3	3.177-3	3.219-3
7	36	2.863-3	1.691-3	1.294-3	1.124-3	1.042-3	9.779-4	9.281-4	9.081-4	8.956-4	8.902-4
7	37	3.286-3	1.841-3	1.299-3	1.030-3	8.705-4	7.616-4	6.799-4	6.211-4	5.747-4	5.369-4
7	38	7.900-3	5.985-3	5.099-3	4.614-3	4.320-3	4.104-3	3.930-3	3.817-3	3.730-3	3.668-3
7	39	9.538-3	7.097-3	5.908-3	5.197-3	4.696-3	4.332-3	4.052-3	3.831-3	3.657-3	3.516-3
7	40	1.324-3	8.609-4	6.639-4	5.536-4	4.816-4	4.276-4	3.865-4	3.542-4	3.281-4	3.063-4
7	41	4.749-3	3.574-3	3.059-3	2.780-3	2.605-3	2.483-3	2.405-3	2.345-3	2.305-3	2.274-3
7	42	1.235-2	9.665-3	8.433-3	7.766-3	7.367-3	7.103-3	6.940-3	6.828-3	6.755-3	6.713-3
7	43	8.222-3	5.507-3	4.308-3	3.656-3	3.259-3	2.981-3	2.788-3	2.642-3	2.534-3	2.446-3
7	44	1.106-2	9.770-3	9.047-3	8.612-3	8.328-3	8.110-3	7.997-3	7.891-3	7.842-3	7.791-3
7	45	3.704-3	1.823-3	1.194-3	9.185-4	7.777-4	6.917-4	6.334-4	5.974-4	5.725-4	5.552-4
7	46	9.147-3	4.471-3	2.641-3	1.746-3	1.250-3	9.353-4	7.304-4	5.882-4	4.897-4	4.138-4
7	47	4.668-3	2.350-3	1.482-3	1.072-3	8.498-4	7.061-4	5.959-4	5.282-4	4.783-4	4.425-4
7	48	2.905-2	3.156-2	3.318-2	3.487-2	3.644-2	3.795-2	3.953-2	4.101-2	4.246-2	4.356-2
8	9	6.814-3	3.627-3	2.251-3	1.526-3	1.113-3	8.431-4	6.581-4	5.290-4	4.371-4	3.645-4
8	10	1.242-4	6.150-5	3.970-5	2.963-5	2.432-5	2.109-5	1.892-5	1.740-5	1.636-5	1.561-5
8	11	3.966-4	1.913-4	1.134-4	7.502-5	5.387-5	4.042-5	3.126-5	2.501-5	2.054-5	1.708-5
8	12	6.628-4	3.968-4	2.897-4	2.347-4	2.040-4	1.836-4	1.697-4	1.597-4	1.534-4	1.476-4
8	13	5.320-4	2.861-4	1.812-4	1.254-4	9.320-5	7.148-5	5.627-5	4.568-5	3.801-5	3.194-5
8	14	7.549-5	4.069-5	2.782-5	2.212-5	1.955-5	1.828-5	1.775-5	1.746-5	1.752-5	1.759-5
8	15	2.891-4	2.037-4	1.734-4	1.593-4	1.528-4	1.496-4	1.482-4	1.482-4	1.493-4	1.511-4
8	16	9.318-4	4.684-4	2.833-4	1.898-4	1.374-4	1.039-4	8.135-5	6.554-5	5.438-5	4.571-5
8	17	6.063-4	2.822-4	1.644-4	1.069-4	7.548-5	5.580-5	4.278-5	3.380-5	2.751-5	2.276-5
8	18	6.725-3	6.327-3	6.256-3	6.251-3	6.291-3	6.359-3	6.471-3	6.558-3	6.689-3	6.814-3
8	19	4.794-4	2.355-4	1.419-4	9.508-5	6.899-5	5.194-5	4.035-5	3.247-5	2.690-5	2.260-5
8	20	6.790-4	3.329-4	2.167-4	1.677-4	1.456-4	1.344-4	1.293-4	1.263-4	1.261-4	1.262-4
8	21	1.216-4	5.873-5	3.452-5	2.257-5	1.604-5	1.214-5	9.634-6	7.914-6	6.743-6	5.919-6
8	22	9.795-4	4.662-4	2.709-4	1.758-4	1.236-4	9.158-5	7.096-5	5.632-5	4.652-5	3.905-5
8	23	3.596-4	2.483-4	2.760-4	3.226-4	3.680-4	4.051-4	4.382-4	4.639-4	4.894-4	5.091-4
8	24	1.056-3	5.102-4	2.979-4	1.932-4	1.350-4	9.890-5	7.557-5	5.899-5	4.790-5	3.944-5
8	25	8.396-4	4.050-4	2.377-4	1.565-4	1.121-4	8.492-5	6.761-5	5.539-5	4.739-5	4.134-5
8	26	3.946-4	1.976-4	1.270-4	9.388-5	7.652-5	6.639-5	6.066-5	5.684-5	5.481-5	5.352-5
8	27	5.208-5	2.386-5	1.433-5	9.885-6	7.463-6	5.836-6	4.716-6	3.964-6	3.408-6	2.966-6
8	28	3.223-5	1.856-5	1.307-5	1.018-5	8.440-6	7.288-6	6.483-6	5.878-6	5.447-6	5.124-6
8	29	7.922-4	3.719-4	2.124-4	1.356-4	9.378-5	6.819-5	5.172-5	4.029-5	3.253-5	2.669-5

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
8	30	5.556-3	5.822-3	6.005-3	6.132-3	6.241-3	6.335-3	6.472-3	6.562-3	6.689-3	6.794-3
8	31	1.007-3	4.998-4	3.340-4	2.669-4	2.382-4	2.244-4	2.195-4	2.169-4	2.184-4	2.200-4
8	32	1.256-4	5.487-5	3.089-5	1.965-5	1.358-5	9.844-6	7.407-6	5.770-6	4.636-6	3.802-6
8	33	8.030-4	4.966-4	3.949-4	3.513-4	3.309-4	3.206-4	3.157-4	3.136-4	3.144-4	3.165-4
8	34	1.112-3	1.024-3	1.008-3	1.009-3	1.017-3	1.024-3	1.043-3	1.054-3	1.073-3	1.088-3
8	35	5.837-4	2.320-4	1.175-4	6.893-5	4.519-5	3.209-5	2.432-5	1.927-5	1.603-5	1.373-5
8	36	9.816-4	4.211-4	2.265-4	1.382-4	9.196-5	6.500-5	4.814-5	3.669-5	2.908-5	2.353-5
8	37	9.980-4	5.343-4	3.633-4	2.800-4	2.317-4	1.997-4	1.768-4	1.601-4	1.469-4	1.363-4
8	38	2.297-3	1.713-3	1.440-3	1.293-3	1.208-3	1.152-3	1.118-3	1.092-3	1.077-3	1.066-3
8	39	9.776-4	6.983-4	5.709-4	4.953-4	4.426-4	4.009-4	3.678-4	3.413-4	3.191-4	3.003-4
8	40	2.935-3	2.231-3	1.892-3	1.689-3	1.541-3	1.435-3	1.350-3	1.278-3	1.222-3	1.177-3
8	41	8.250-4	4.566-4	3.083-4	2.313-4	1.851-4	1.520-4	1.282-4	1.109-4	9.784-5	8.723-5
8	42	1.039-3	5.099-4	3.027-4	1.996-4	1.424-4	1.059-4	8.194-5	6.527-5	5.361-5	4.460-5
8	43	7.132-3	6.411-3	5.979-3	5.720-3	5.555-3	5.437-3	5.371-3	5.316-3	5.292-3	5.275-3
8	44	1.814-3	1.192-3	9.107-4	7.512-4	6.486-4	5.727-4	5.156-4	4.714-4	4.359-4	4.063-4
8	45	1.950-3	1.180-3	9.156-4	7.975-4	7.353-4	6.979-4	6.760-4	6.606-4	6.520-4	6.460-4
8	46	3.485-3	1.693-3	9.922-4	6.486-4	4.583-4	3.375-4	2.589-4	2.043-4	1.665-4	1.373-4
8	47	1.789-3	8.359-4	4.792-4	3.104-4	2.183-4	1.607-4	1.232-4	9.731-5	7.921-5	6.539-5
8	48	2.715-3	1.744-3	1.104-3	7.522-4	5.453-4	4.114-4	3.225-4	2.607-4	2.158-4	1.813-4
9	10	3.254-5	1.546-5	9.028-6	5.866-6	4.134-6	3.058-6	2.348-6	1.854-6	1.511-6	1.249-6
9	11	7.225-5	3.893-5	2.678-5	2.092-5	1.987-5	1.526-5	1.396-5	1.305-5	1.268-5	1.191-5
9	12	1.042-4	5.644-5	3.853-5	2.960-5	3.120-5	1.780-5	1.583-5	2.297-5	2.206-5	2.023-5
9	13	1.505-4	8.408-5	5.815-5	4.506-5	9.151-5	2.967-5	2.653-5	2.677-5	2.259-5	2.379-5
9	14	1.593-4	7.819-5	4.655-5	3.079-5	2.209-5	1.668-5	1.319-5	1.072-5	9.089-6	7.840-6
9	15	7.641-3	4.896-3	3.802-3	3.241-3	2.933-3	2.729-3	2.597-3	2.503-3	2.443-3	2.396-3
9	16	6.844-3	3.607-3	2.273-3	1.577-3	1.183-3	9.223-4	7.458-4	6.247-4	5.391-4	4.722-4
9	17	2.866-3	1.514-3	9.600-4	6.716-4	5.085-4	4.007-4	3.277-4	2.778-4	2.427-4	2.150-4
9	18	1.007-2	5.155-3	3.148-3	2.119-3	1.545-3	1.172-3	9.367-4	7.619-4	6.374-4	5.455-4
9	19	1.519-2	7.722-3	4.668-3	3.103-3	2.226-3	1.664-3	1.292-3	1.030-3	8.483-4	7.074-4
9	20	2.017-2	1.023-2	6.175-3	4.098-3	2.935-3	2.190-3	1.697-3	1.351-3	1.111-3	9.246-4
9	21	8.361-4	3.151-4	1.743-4	1.146-4	8.408-5	6.368-5	4.991-5	4.095-5	3.433-5	2.902-5
9	22	8.575-3	4.777-3	3.282-3	2.541-3	2.156-3	1.892-3	1.772-3	1.606-3	1.528-3	1.460-3
9	23	9.502-3	4.625-3	2.698-3	1.741-3	1.211-3	8.828-4	6.720-4	5.237-4	4.244-4	3.492-4
9	24	1.023-2	4.983-3	2.908-3	1.878-3	1.308-3	9.560-4	7.303-4	5.714-4	4.657-4	3.857-4
9	25	3.662-3	2.370-3	2.411-3	2.684-3	2.982-3	3.229-3	3.453-3	3.631-3	3.807-3	3.946-3
9	26	6.857-2	6.646-2	6.663-2	6.707-2	6.778-2	6.869-2	7.032-2	7.159-2	7.332-2	7.499-2
9	27	2.859-3	1.310-3	7.657-4	5.180-4	3.922-4	3.088-4	2.416-4	2.069-4	1.834-4	1.658-4
9	28	2.172-3	1.058-3	6.235-4	4.074-4	2.883-4	2.134-4	1.640-4	1.298-4	1.059-4	8.752-5
9	29	2.979-3	1.380-3	8.071-4	5.479-4	4.183-4	3.060-4	2.159-4	1.853-4	1.571-4	1.466-4
9	30	3.688-3	2.276-3	1.784-3	1.560-3	1.447-3	1.386-3	1.370-3	1.360-3	1.370-3	1.381-3
9	31	3.530-3	1.609-3	9.505-4	6.582-4	5.136-4	4.329-4	3.867-4	3.570-4	3.409-4	3.298-4
9	32	6.484-3	3.198-3	1.920-3	1.285-3	9.339-4	7.115-4	5.618-4	4.602-4	3.881-4	3.332-4
9	33	4.677-3	2.436-3	1.667-3	1.325-3	1.158-3	1.034-3	9.595-4	9.285-4	9.226-4	9.177-4
9	34	1.037-2	5.658-3	3.911-3	3.104-3	2.711-3	2.393-3	2.067-3	1.943-3	1.849-3	1.798-3
9	35	7.179-3	4.270-3	3.317-3	2.909-3	2.720-3	2.623-3	2.600-3	2.597-3	2.618-3	2.651-3
9	36	2.401-2	2.509-2	2.593-2	2.659-2	2.717-2	2.763-2	2.811-2	2.854-2	2.906-2	2.956-2
9	37	3.353-3	1.471-3	8.070-4	5.052-4	3.491-4	2.568-4	1.907-4	1.523-4	1.265-4	1.096-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
9	38	6.824-3	3.204-3	1.881-3	1.257-3	9.187-4	6.901-4	5.182-4	4.181-4	3.464-4	2.958-4
9	39	1.714-2	1.162-2	9.206-3	7.880-3	7.038-3	6.448-3	6.013-3	5.738-3	5.513-3	5.347-3
9	40	1.148-3	5.042-4	2.841-4	1.833-4	1.285-4	9.496-5	7.314-5	5.772-5	4.705-5	3.924-5
9	41	4.227-2	3.001-2	2.418-2	2.075-2	1.845-2	1.680-2	1.564-2	1.483-2	1.416-2	1.363-2
9	42	8.014-3	3.673-3	2.095-3	1.355-3	9.625-4	7.198-4	5.647-4	4.615-4	3.908-4	3.384-4
9	43	8.946-3	5.901-3	4.752-3	4.201-3	3.904-3	3.716-3	3.622-3	3.554-3	3.527-3	3.507-3
9	44	5.539-3	3.152-3	2.230-3	1.777-3	1.523-3	1.356-3	1.236-3	1.163-3	1.108-3	1.069-3
9	45	2.436-2	2.357-2	2.308-2	2.280-2	2.264-2	2.248-2	2.242-2	2.240-2	2.246-2	2.253-2
9	46	3.125-2	2.719-2	2.504-2	2.385-2	2.311-2	2.259-2	2.230-2	2.211-2	2.200-2	2.195-2
9	47	9.031-3	6.258-3	4.961-3	4.218-3	3.709-3	3.324-3	3.028-3	2.807-3	2.618-3	2.463-3
9	48	1.886-0	2.356-0	2.660-0	2.890-0	3.084-0	3.261-0	3.420-0	3.557-0	3.697-0	3.797-0
10	11	1.270-1	6.817-2	4.331-2	2.998-2	2.219-2	1.706-2	1.349-2	1.097-2	9.131-3	7.706-3
10	12	6.235-2	6.167-2	6.246-2	6.315-2	6.392-2	6.433-2	6.477-2	6.488-2	6.546-2	6.551-2
10	13	1.301-2	6.079-3	3.440-3	2.155-3	1.462-3	1.045-3	7.802-4	5.979-4	4.764-4	3.865-4
10	14	1.294-2	7.293-3	5.520-3	4.854-3	4.630-3	4.552-3	4.570-3	4.599-3	4.683-3	4.753-3
10	15	8.057-3	4.019-3	2.483-3	1.736-3	1.339-3	1.112-3	9.563-4	8.329-4	7.631-4	7.080-4
10	16	5.240-3	2.551-3	1.484-3	9.518-4	6.574-4	4.763-4	3.601-4	2.787-4	2.245-4	1.837-4
10	17	7.860-3	3.925-3	2.342-3	1.533-3	1.081-3	7.978-4	6.107-4	4.804-4	3.899-4	3.217-4
10	18	1.224-2	7.175-3	5.045-3	3.923-3	3.291-3	2.871-3	2.590-3	2.393-3	2.260-3	2.151-3
10	19	5.464-3	2.933-3	1.837-3	1.252-3	9.170-4	6.932-4	5.418-4	4.357-4	3.607-4	3.008-4
10	20	5.699-5	3.023-5	2.286-5	2.045-5	1.982-5	1.975-5	2.003-5	2.029-5	2.076-5	2.117-5
10	21	4.268-5	1.771-5	9.574-6	6.022-6	4.260-6	3.201-6	2.513-6	2.072-6	1.768-6	1.533-6
10	22	9.131-3	4.971-3	3.138-3	2.152-3	1.584-3	1.200-3	9.396-4	7.578-4	6.284-4	5.246-4
10	23	1.402-5	7.347-6	4.930-6	3.905-6	3.483-6	3.261-6	3.173-6	3.135-6	3.149-6	3.158-6
10	24	5.902-6	2.974-6	1.668-6	1.031-6	6.978-7	4.936-7	3.666-7	2.813-7	2.242-7	1.811-7
10	25	3.910-6	1.656-6	9.141-7	5.884-7	4.181-7	3.166-7	2.525-7	2.071-7	1.768-7	1.538-7
10	26	6.244-4	4.894-4	4.245-4	3.880-4	4.712-4	2.803-4	2.821-4	2.846-4	2.917-4	2.641-4
10	27	4.516-3	1.935-3	1.040-3	6.334-4	4.240-4	3.002-4	2.210-4	1.691-4	1.335-4	1.071-4
10	28	8.558-4	3.542-4	1.926-4	1.230-4	8.856-5	6.741-5	5.370-5	4.488-5	3.881-5	3.397-5
10	29	1.275-3	6.962-4	4.387-4	3.002-4	2.206-4	1.668-4	1.306-4	1.052-4	8.720-5	7.275-5
10	30	3.536-3	2.341-3	1.925-3	1.781-3	1.767-3	1.656-3	1.414-3	1.401-3	1.359-3	1.371-3
10	31	8.753-6	5.173-6	3.627-6	2.848-6	2.459-6	2.238-6	2.131-6	2.070-6	2.057-6	2.049-6
10	32	8.013-4	3.627-4	2.066-4	1.333-4	9.454-5	6.974-5	5.334-5	4.233-5	3.457-5	2.838-5
10	33	3.851-3	1.637-3	8.919-4	5.645-4	4.031-4	2.981-4	2.248-4	1.870-4	1.608-4	1.428-4
10	34	9.757-5	6.222-5	4.803-5	4.205-5	4.027-5	3.553-5	2.738-5	2.644-5	2.466-5	2.449-5
10	35	1.424-3	6.681-4	3.827-4	2.445-4	1.686-4	1.220-4	9.230-5	7.158-5	5.773-5	4.733-5
10	36	9.822-6	4.338-6	2.416-6	1.530-6	1.053-6	7.599-7	5.735-7	4.450-7	3.584-7	2.930-7
10	37	1.732-3	9.772-4	6.274-4	4.346-4	3.221-4	2.451-4	1.929-4	1.562-4	1.299-4	1.087-4
10	38	7.989-4	5.261-4	4.007-4	3.308-4	2.904-4	2.628-4	2.457-4	2.337-4	2.267-4	2.211-4
10	39	1.434-3	7.826-4	4.962-4	3.411-4	2.516-4	1.907-4	1.496-4	1.208-4	1.004-4	8.376-5
10	40	1.061-4	4.504-5	2.610-5	1.797-5	1.374-5	1.095-5	9.042-6	7.738-6	6.768-6	5.947-6
10	41	5.479-4	2.788-4	1.700-4	1.141-4	8.258-5	6.186-5	4.808-5	3.846-5	3.168-5	2.631-5
10	42	8.511-3	3.827-3	2.142-3	1.358-3	9.312-4	6.714-4	5.064-4	3.923-4	3.156-4	2.582-4
10	43	2.943-3	1.143-3	5.808-4	3.428-4	2.220-4	1.541-4	1.126-4	8.502-5	6.707-5	5.443-5
10	44	1.612-3	6.639-4	3.683-4	2.395-4	1.686-4	1.249-4	9.659-5	7.623-5	6.240-5	5.225-5
10	45	3.151-4	1.287-4	7.351-5	5.256-5	4.346-5	3.288-5	1.955-5	1.747-5	1.399-5	1.328-5
10	46	9.599-5	4.456-5	2.541-5	1.636-5	1.135-5	8.246-6	6.263-6	4.885-6	3.950-6	3.243-6

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
10	47	1.637-5	7.068-6	3.914-6	2.499-6	1.731-6	1.266-6	9.664-7	7.579-7	6.138-7	5.075-7
10	48	1.176-5	7.652-6	4.924-6	3.396-6	2.478-6	1.876-6	1.474-6	1.193-6	9.870-7	8.296-7
11	12	2.789-1	1.698-1	1.247-1	1.009-1	8.730-2	7.833-2	7.218-2	6.775-2	6.476-2	6.239-2
11	13	1.007-1	8.677-2	8.290-2	8.148-2	8.125-2	8.108-2	8.121-2	8.108-2	8.161-2	8.161-2
11	14	4.074-2	2.212-2	1.599-2	1.350-2	1.249-2	1.203-2	1.191-2	1.187-2	1.200-2	1.212-2
11	15	2.310-2	1.139-2	6.817-3	4.546-3	3.306-3	2.545-3	2.051-3	1.710-3	1.478-3	1.303-3
11	16	2.079-2	1.057-2	6.526-3	4.512-3	3.408-3	2.726-3	2.291-3	1.985-3	1.786-3	1.632-3
11	17	2.564-2	1.361-2	8.799-3	6.355-3	5.006-3	4.456-3	3.614-3	3.198-3	2.933-3	2.730-3
11	18	2.750-2	1.495-2	9.668-3	6.892-3	5.419-3	4.254-3	3.551-3	3.060-3	2.720-3	2.443-3
11	19	1.767-2	1.005-2	6.783-3	5.050-3	4.063-3	3.403-3	2.960-3	2.648-3	2.432-3	2.259-3
11	20	2.336-3	1.270-3	8.127-4	5.700-4	4.319-4	3.394-4	2.773-4	2.340-4	2.038-4	1.797-4
11	21	1.807-4	8.383-5	4.843-5	3.143-5	2.229-5	1.652-5	1.268-5	1.008-5	8.227-6	6.790-6
11	22	2.360-2	1.303-2	8.373-3	5.869-3	4.429-3	3.456-3	2.798-3	2.337-3	2.011-3	1.748-3
11	23	5.071-3	2.759-3	1.742-3	1.194-3	8.792-4	6.664-4	5.220-4	4.211-4	3.494-4	2.918-4
11	24	2.289-5	1.223-5	7.639-6	5.464-6	4.390-6	3.742-6	3.368-6	3.127-6	2.992-6	2.883-6
11	25	2.747-4	1.482-4	9.318-5	6.399-5	4.735-5	3.627-5	2.884-5	2.366-5	2.002-5	1.713-5
11	26	1.001-3	6.364-4	4.792-4	3.953-4	2.499-4	1.837-4	1.786-4	1.623-4	1.726-4	1.397-4
11	27	1.109-2	4.976-3	2.886-3	1.943-3	1.471-3	1.176-3	9.958-4	8.786-4	8.014-4	7.410-4
11	28	2.348-3	1.008-3	5.537-4	3.486-4	2.432-4	1.772-4	1.340-4	1.054-4	8.538-5	6.945-5
11	29	6.895-3	4.098-3	3.008-3	2.487-3	2.227-3	2.024-3	1.853-3	1.776-3	1.729-3	1.701-3
11	30	7.630-3	4.041-3	2.778-3	2.284-3	2.139-3	1.788-3	1.233-3	1.116-3	1.025-3	9.709-4
11	31	6.047-4	3.309-4	2.087-4	1.429-4	1.052-4	7.982-5	6.275-5	5.083-5	4.240-5	3.565-5
11	32	2.661-3	1.191-3	6.912-4	4.687-4	3.589-4	2.831-4	2.186-4	1.855-4	1.623-4	1.448-4
11	33	1.166-2	5.178-3	2.955-3	1.970-3	1.486-3	1.167-3	9.155-4	7.874-4	6.982-4	6.367-4
11	34	4.591-4	2.229-4	1.348-4	9.260-5	7.055-5	5.386-5	4.049-5	3.349-5	2.858-5	2.471-5
11	35	4.793-3	2.367-3	1.475-3	1.057-3	8.370-4	6.920-4	5.880-4	5.289-4	4.903-4	4.645-4
11	36	6.478-5	3.977-5	3.261-5	3.074-5	3.076-5	2.529-5	1.919-5	1.979-5	1.900-5	2.005-5
11	37	5.454-3	3.299-3	2.305-3	1.760-3	1.446-3	1.231-3	1.087-3	9.883-4	9.217-4	8.694-4
11	38	2.835-3	1.607-3	1.049-3	7.409-4	5.612-4	4.371-4	3.524-4	2.936-4	2.517-4	2.180-4
11	39	3.692-3	2.175-3	1.517-3	1.163-3	9.609-4	8.237-4	7.360-4	6.742-4	6.340-4	6.010-4
11	40	1.052-3	5.274-4	3.209-4	2.162-4	1.577-4	1.188-4	9.285-5	7.483-5	6.209-5	5.178-5
11	41	1.329-3	7.304-4	4.899-4	3.670-4	2.983-4	2.526-4	2.239-4	2.039-4	1.914-4	1.809-4
11	42	2.425-2	1.082-2	6.034-3	3.819-3	2.618-3	1.890-3	1.428-3	1.109-3	8.960-4	7.365-4
11	43	1.008-2	4.112-3	2.177-3	1.332-3	8.906-4	6.324-4	4.711-4	3.615-4	2.889-4	2.364-4
11	44	4.891-3	2.008-3	1.115-3	7.346-4	5.339-4	4.067-4	3.081-4	2.499-4	2.107-4	1.836-4
11	45	1.034-3	4.350-4	2.495-4	1.746-4	1.391-4	1.055-4	6.958-5	5.831-5	4.906-5	4.400-5
11	46	2.681-4	1.290-4	7.883-5	5.625-5	4.421-5	3.290-5	2.377-5	2.060-5	1.747-5	1.603-5
11	47	4.877-5	3.785-5	3.601-5	3.692-5	3.996-5	3.663-5	2.191-5	1.845-5	1.607-5	1.486-5
11	48	3.774-4	4.554-4	5.046-4	5.446-4	5.787-4	6.112-4	6.389-4	6.636-4	6.889-4	7.071-4
12	13	4.176-1	2.873-1	2.357-1	2.092-1	1.947-1	1.852-1	1.790-1	1.745-1	1.717-1	1.698-1
12	14	1.123-1	7.963-2	6.904-2	6.466-2	6.296-2	6.209-2	6.184-2	6.160-2	6.190-2	6.203-2
12	15	4.472-2	2.359-2	1.513-2	1.085-2	8.483-3	6.998-3	6.033-3	5.361-3	4.907-3	4.562-3
12	16	4.434-2	2.241-2	1.371-2	9.348-3	6.954-3	5.481-3	4.510-3	3.840-3	3.389-3	3.051-3
12	17	3.556-2	1.776-2	1.063-2	7.021-3	5.029-3	3.758-3	2.932-3	2.378-3	2.021-3	1.672-3
12	18	2.887-2	1.572-2	1.025-2	7.389-3	5.893-3	4.621-3	3.906-3	4.112-3	3.559-3	2.838-3
12	19	3.107-2	1.849-2	1.323-2	1.046-2	8.900-3	7.862-3	7.170-3	6.685-3	6.354-3	6.098-3
12	20	1.028-2	5.731-3	3.756-3	2.697-3	2.089-3	1.682-3	1.401-3	1.203-3	1.066-3	9.549-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
12	21	2.840-4	1.581-4	1.086-4	8.365-5	7.012-5	6.273-5	5.600-5	5.139-5	4.884-5	4.649-5
12	22	2.896-2	1.640-2	1.091-2	7.959-3	6.269-3	5.130-3	4.361-3	3.824-3	3.444-3	3.143-3
12	23	2.151-2	1.227-2	8.204-3	6.018-3	4.764-3	3.916-3	3.338-3	2.932-3	2.650-3	2.420-3
12	24	3.157-3	1.717-3	1.083-3	7.425-4	5.464-4	4.141-4	3.244-4	2.617-4	2.171-4	1.813-4
12	25	2.003-3	1.293-3	9.910-4	8.325-4	7.459-4	6.918-4	6.457-4	6.144-4	5.967-4	5.801-4
12	26	1.291-3	6.993-4	4.771-4	3.682-4	2.317-4	1.812-4	1.455-4	1.483-4	1.571-4	1.474-4
12	27	1.174-2	5.114-3	2.837-3	1.803-3	1.317-3	9.087-4	6.873-4	6.251-4	4.743-4	4.599-4
12	28	2.696-3	1.383-3	9.138-4	6.937-4	5.782-4	5.043-4	4.561-4	4.230-4	4.018-4	3.831-4
12	29	1.322-2	6.275-3	3.718-3	2.493-3	2.042-3	1.322-3	1.048-3	8.560-4	8.394-4	7.316-4
12	30	1.100-2	5.375-3	3.449-3	2.679-3	2.406-3	1.945-3	1.334-3	1.099-3	1.039-3	9.418-4
12	31	4.385-3	2.737-3	2.069-3	1.732-3	1.553-3	1.436-3	1.365-3	1.322-3	1.302-3	1.291-3
12	32	5.723-3	2.621-3	1.580-3	1.128-3	9.155-4	7.629-4	6.083-4	5.306-4	4.851-4	4.490-4
12	33	1.616-2	7.369-3	4.291-3	2.889-3	2.174-3	1.728-3	1.414-3	1.223-3	1.099-3	1.008-3
12	34	1.800-3	8.726-4	5.487-4	3.993-4	3.217-4	2.709-4	2.391-4	2.184-4	2.061-4	1.960-4
12	35	9.877-3	4.619-3	2.741-3	1.871-3	1.416-3	1.115-3	9.247-4	8.099-4	7.398-4	6.913-4
12	36	2.182-4	1.500-4	1.347-4	1.388-4	1.505-4	1.212-4	7.965-5	7.113-5	6.853-5	6.615-5
12	37	9.246-3	6.050-3	4.586-3	3.789-3	3.335-3	3.027-3	2.837-3	2.707-3	2.630-3	2.573-3
12	38	7.947-3	4.641-3	3.183-3	2.393-3	1.939-3	1.632-3	1.430-3	1.290-3	1.196-3	1.121-3
12	39	4.136-3	2.453-3	1.754-3	1.391-3	1.190-3	1.052-3	9.513-4	8.866-4	8.455-4	8.143-4
12	40	3.282-3	1.919-3	1.344-3	1.042-3	8.722-4	7.585-4	6.840-4	6.332-4	6.001-4	5.744-4
12	41	1.166-3	6.255-4	4.147-4	3.106-4	2.548-4	2.156-4	1.808-4	1.599-4	1.472-4	1.370-4
12	42	3.713-2	1.629-2	9.029-3	5.708-3	3.923-3	2.840-3	2.153-3	1.685-3	1.373-3	1.141-3
12	43	1.875-2	8.113-3	4.520-3	2.907-3	2.043-3	1.516-3	1.169-3	9.358-4	7.811-4	6.677-4
12	44	9.282-3	3.783-3	2.044-3	1.305-3	9.269-4	6.919-4	4.975-4	3.792-4	3.128-4	2.609-4
12	45	1.797-3	7.881-4	4.583-4	3.163-4	2.434-4	1.897-4	1.398-4	1.130-4	9.712-5	8.493-5
12	46	3.830-4	1.977-4	1.358-4	1.126-4	1.026-4	7.901-5	5.176-5	4.398-5	3.809-5	3.469-5
12	47	6.785-5	7.917-5	8.903-5	9.887-5	1.123-4	1.083-4	6.828-5	4.809-5	4.535-5	3.885-5
12	48	2.072-5	1.334-5	8.525-6	5.856-6	4.260-6	3.217-6	2.523-6	2.040-6	1.686-6	1.416-6
13	14	4.547-1	3.268-1	2.783-1	2.542-1	2.416-1	2.336-1	2.284-1	2.248-1	2.228-1	2.215-1
13	15	7.177-2	3.687-2	2.268-2	1.542-2	1.136-2	8.791-3	7.093-3	5.907-3	5.092-3	4.470-3
13	16	7.789-2	4.017-2	2.512-2	1.755-2	1.337-2	1.077-2	9.067-3	7.882-3	7.079-3	6.472-3
13	17	3.576-2	1.784-2	1.069-2	7.101-3	5.155-3	3.893-3	3.078-3	2.519-3	2.137-3	1.848-3
13	18	8.699-3	4.798-3	3.278-3	2.516-3	2.207-3	1.784-3	1.585-3	1.777-3	1.964-3	1.346-3
13	19	3.906-2	2.222-2	1.529-2	1.169-2	9.779-3	8.365-3	8.093-3	6.828-3	6.308-3	5.935-3
13	20	3.479-2	2.341-2	1.863-2	1.609-2	1.468-2	1.371-2	1.307-2	1.262-2	1.232-2	1.209-2
13	21	3.629-4	1.950-4	1.215-4	8.235-5	5.994-5	4.514-5	3.516-5	2.820-5	2.329-5	1.939-5
13	22	2.304-2	1.327-2	9.040-3	6.786-3	5.501-3	4.638-3	4.058-3	3.654-3	3.370-3	3.143-3
13	23	4.279-2	2.529-2	1.764-2	1.353-2	1.118-2	9.588-3	8.507-3	7.756-3	7.223-3	6.805-3
13	24	2.489-2	1.474-2	1.030-2	7.919-3	6.566-3	5.645-3	5.013-3	4.564-3	4.258-3	4.012-3
13	25	3.957-3	2.074-3	1.296-3	8.915-4	6.646-4	5.157-4	4.108-4	3.385-4	2.879-4	2.475-4
13	26	1.887-3	8.641-4	5.087-4	3.449-4	2.829-4	1.955-4	1.536-4	1.600-4	1.172-4	1.140-4
13	27	1.031-2	5.276-3	3.453-3	2.590-3	2.213-3	1.807-3	1.509-3	1.561-3	1.381-3	1.579-3
13	28	1.869-3	9.986-4	6.246-4	4.262-4	3.128-4	2.364-4	1.850-4	1.491-4	1.236-4	1.031-4
13	29	1.781-2	7.981-3	4.566-3	3.001-3	2.501-3	1.542-3	1.186-3	1.021-3	9.928-4	8.734-4
13	30	1.158-2	5.661-3	3.717-3	2.992-3	2.777-3	2.447-3	1.871-3	1.548-3	1.494-3	1.391-3
13	31	1.193-2	5.729-3	3.384-3	2.240-3	1.620-3	1.216-3	9.477-4	7.655-4	6.376-4	5.351-4
13	32	7.162-3	3.457-3	2.234-3	1.701-3	1.443-3	1.273-3	1.145-3	1.081-3	1.050-3	1.040-3

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
13	33	1.553-2	7.375-3	4.458-3	3.092-3	2.373-3	1.932-3	1.654-3	1.471-3	1.352-3	1.266-3
13	34	7.111-3	3.677-3	2.508-3	2.003-3	1.778-3	1.599-3	1.404-3	1.289-3	1.247-3	1.203-3
13	35	1.937-2	8.565-3	4.800-3	3.095-3	2.226-3	1.645-3	1.240-3	9.843-4	8.332-4	7.172-4
13	36	5.225-4	3.241-4	2.704-4	2.659-4	2.808-4	2.353-4	1.608-4	1.271-4	1.219-4	1.165-4
13	37	1.113-2	7.546-3	5.906-3	5.021-3	4.526-3	4.189-3	3.965-3	3.818-3	3.740-3	3.683-3
13	38	1.764-2	1.091-2	8.042-3	6.535-3	5.694-3	5.128-3	4.744-3	4.488-3	4.335-3	4.219-3
13	39	4.571-3	2.464-3	1.606-3	1.165-3	9.205-4	7.565-4	6.349-4	5.518-4	4.991-4	4.565-4
13	40	3.372-3	1.843-3	1.163-3	7.950-4	5.827-4	4.392-4	3.431-4	2.756-4	2.278-4	1.893-4
13	41	8.872-4	4.583-4	3.003-4	2.263-4	1.897-4	1.631-4	1.290-4	1.066-4	9.696-5	8.856-5
13	42	4.703-2	2.045-2	1.146-2	7.421-3	5.275-3	3.980-3	3.142-3	2.575-3	2.204-3	1.934-3
13	43	2.730-2	1.203-2	6.739-3	4.325-3	3.018-3	2.215-3	1.676-3	1.303-3	1.065-3	8.850-4
13	44	1.637-2	6.936-3	3.797-3	2.424-3	1.718-3	1.291-3	9.425-4	7.062-4	5.795-4	4.837-4
13	45	2.565-3	1.137-3	6.459-4	4.232-4	3.022-4	2.261-4	1.725-4	1.353-4	1.126-4	9.494-5
13	46	4.455-4	2.447-4	1.825-4	1.635-4	1.585-4	1.335-4	9.212-5	7.215-5	6.466-5	5.905-5
13	47	8.415-5	1.381-4	1.684-4	1.927-4	2.217-4	2.300-4	1.634-4	1.046-4	9.824-5	8.497-5
13	48	4.434-6	2.594-6	1.614-6	1.099-6	7.944-7	5.957-7	4.641-7	3.744-7	3.083-7	2.587-7
14	15	6.531-2	3.355-2	2.085-2	1.444-2	1.090-2	8.683-3	7.241-3	6.237-3	5.557-3	5.037-3
14	16	1.590-1	8.673-2	5.785-2	4.317-2	3.505-2	2.989-2	2.650-2	2.415-2	2.253-2	2.131-2
14	17	2.685-2	1.325-2	7.791-3	5.040-3	3.510-3	2.559-3	1.946-3	1.515-3	1.226-3	1.007-3
14	18	6.998-3	3.391-3	1.979-3	1.281-3	9.527-4	6.570-4	5.004-4	4.619-4	3.308-4	2.991-4
14	19	6.125-3	3.715-3	2.826-3	2.393-3	2.383-3	2.015-3	1.869-3	2.138-3	1.934-3	1.737-3
14	20	6.445-2	4.143-2	3.205-2	2.719-2	2.450-2	2.268-2	2.146-2	2.060-2	2.006-2	1.956-2
14	21	1.052-5	4.623-6	2.456-6	1.436-6	9.095-7	6.096-7	4.283-7	3.090-7	2.328-7	1.795-7
14	22	4.089-3	2.445-3	1.721-3	1.331-3	1.107-3	9.556-4	8.529-4	7.818-4	7.312-4	6.917-4
14	23	4.070-2	2.429-2	1.721-2	1.344-2	1.129-2	9.850-3	8.873-3	8.189-3	7.723-3	7.333-3
14	24	1.013-1	5.996-2	4.189-2	3.218-2	2.663-2	2.287-2	2.031-2	1.853-2	1.728-2	1.628-2
14	25	4.475-3	2.174-3	1.342-3	9.454-4	7.340-4	5.964-4	5.044-4	4.427-4	3.996-4	3.643-4
14	26	7.422-4	5.108-4	4.134-4	3.630-4	3.047-4	2.608-4	2.460-4	2.090-4	1.712-4	1.664-4
14	27	8.744-3	4.141-3	2.388-3	1.533-3	1.061-3	7.703-4	5.840-4	4.539-4	3.668-4	3.010-4
14	28	1.256-5	6.415-6	4.177-6	3.209-6	2.756-6	2.501-6	2.365-6	2.282-6	2.245-6	2.215-6
14	29	6.506-3	3.188-3	1.998-3	1.437-3	1.572-3	8.506-4	5.964-4	5.998-4	5.091-4	6.874-4
14	30	4.899-3	2.793-3	2.013-3	1.633-3	1.661-3	1.253-3	8.820-4	9.625-4	1.029-3	8.710-4
14	31	3.109-2	1.364-2	7.622-3	4.885-3	3.474-3	2.588-3	2.009-3	1.626-3	1.360-3	1.147-3
14	32	5.474-3	2.964-3	1.865-3	1.277-3	9.400-4	7.122-4	5.587-4	4.513-4	3.750-4	3.137-4
14	33	1.222-2	6.617-3	4.600-3	3.708-3	3.306-3	3.027-3	2.665-3	2.429-3	2.341-3	2.279-3
14	34	1.810-2	8.530-3	5.366-3	4.073-3	3.551-3	3.141-3	2.362-3	1.916-3	1.731-3	1.648-3
14	35	4.361-2	2.109-2	1.343-2	1.005-2	8.399-3	7.329-3	6.545-3	6.007-3	5.762-3	5.560-3
14	36	1.136-3	6.206-4	4.530-4	3.970-4	3.871-4	3.438-4	2.585-4	1.853-4	1.752-4	1.586-4
14	37	7.430-3	4.236-3	2.728-3	1.892-3	1.403-3	1.067-3	8.403-4	6.798-4	5.657-4	4.732-4
14	38	2.427-2	1.323-2	8.611-3	6.199-3	4.836-3	3.933-3	3.326-3	2.911-3	2.628-3	2.412-3
14	39	8.882-3	4.786-3	2.993-3	2.035-3	1.486-3	1.119-3	8.736-4	7.020-4	5.812-4	4.847-4
14	40	9.573-5	5.390-5	3.417-5	2.316-5	1.696-5	1.314-5	1.071-5	9.126-6	8.084-6	7.341-6
14	41	1.424-3	7.644-4	4.801-4	3.280-4	2.405-4	1.813-4	1.418-4	1.140-4	9.445-5	7.870-5
14	42	5.283-2	2.236-2	1.239-2	7.973-3	5.624-3	4.239-3	3.366-3	2.766-3	2.374-3	2.097-3
14	43	3.581-2	1.561-2	8.717-3	5.642-3	4.035-3	3.068-3	2.285-3	1.723-3	1.411-3	1.188-3
14	44	2.694-2	1.210-2	6.768-3	4.295-3	2.949-3	2.129-3	1.608-3	1.249-3	1.006-3	8.250-4
14	45	3.746-3	1.644-3	9.163-4	5.873-4	4.119-4	3.062-4	2.341-4	1.832-4	1.514-4	1.277-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
14	46	4.535-4	2.605-4	1.983-4	1.794-4	1.753-4	1.588-4	1.167-4	7.764-5	7.010-5	6.083-5
14	47	4.911-6	2.367-6	1.433-6	9.651-7	6.977-7	5.218-7	4.062-7	3.244-7	2.675-7	2.225-7
14	48	9.750-6	5.794-6	3.675-6	2.542-6	1.857-6	1.402-6	1.096-6	8.851-7	7.277-7	6.094-7
15	16	1.328-1	8.095-2	5.926-2	4.776-2	4.118-2	3.682-2	3.391-2	3.186-2	3.042-2	2.935-2
15	17	8.547-2	4.878-2	3.352-2	2.542-2	2.074-2	1.761-2	1.548-2	1.397-2	1.289-2	1.204-2
15	18	5.822-2	3.300-2	2.238-2	1.676-2	1.354-2	1.143-2	1.000-2	9.007-3	8.301-3	7.759-3
15	19	1.647-1	1.483-1	1.432-1	1.410-1	1.402-1	1.395-1	1.394-1	1.393-1	1.394-1	1.398-1
15	20	7.299-2	6.239-2	5.868-2	5.695-2	5.620-2	5.561-2	5.541-2	5.521-2	5.531-2	5.529-2
15	21	2.974-2	2.045-2	1.655-2	1.450-2	1.339-2	1.273-2	1.218-2	1.176-2	1.158-2	1.136-2
15	22	3.157-2	1.685-2	1.199-2	9.916-3	8.973-3	8.475-3	8.236-3	8.101-3	8.079-3	8.082-3
15	23	5.494-2	2.924-2	1.889-2	1.366-2	1.077-2	8.958-3	7.766-3	6.928-3	6.378-3	5.943-3
15	24	6.994-3	3.696-3	2.587-3	2.124-3	1.922-3	1.822-3	1.784-3	1.765-3	1.776-3	1.788-3
15	25	7.649-2	4.934-2	3.827-2	3.259-2	2.955-2	2.785-2	2.620-2	2.505-2	2.449-2	2.394-2
15	26	3.332-2	2.272-2	1.899-2	1.727-2	1.648-2	1.716-2	1.602-2	1.529-2	1.509-2	1.501-2
15	27	1.248-1	1.240-1	1.254-1	1.268-1	1.282-1	1.286-1	1.295-1	1.302-1	1.310-1	1.316-1
15	28	3.691-3	1.622-3	9.069-4	5.859-4	4.241-4	3.300-4	2.707-4	2.318-4	2.068-4	1.873-4
15	29	4.725-2	4.370-2	4.278-2	4.244-2	4.240-2	4.240-2	4.230-2	4.228-2	4.231-2	4.244-2
15	30	1.243-2	6.263-3	3.888-3	2.732-3	2.122-3	1.717-3	1.480-3	1.322-3	1.191-3	1.098-3
15	31	1.993-2	1.072-2	7.147-3	5.383-3	4.434-3	3.859-3	3.439-3	3.155-3	2.977-3	2.830-3
15	32	8.672-2	8.432-2	8.448-2	8.495-2	8.557-2	8.572-2	8.617-2	8.649-2	8.695-2	8.724-2
15	33	1.821-2	1.595-2	1.525-2	1.496-2	1.485-2	1.475-2	1.475-2	1.475-2	1.478-2	1.481-2
15	34	5.803-2	5.563-2	5.533-2	5.542-2	5.573-2	5.624-2	5.605-2	5.598-2	5.611-2	5.633-2
15	35	2.930-2	2.619-2	2.529-2	2.499-2	2.495-2	2.493-2	2.487-2	2.486-2	2.489-2	2.497-2
15	36	1.821-2	8.383-3	4.733-3	3.004-3	2.085-3	1.526-3	1.169-3	9.274-4	7.631-4	6.385-4
15	37	4.454-2	4.610-2	4.740-2	4.846-2	4.946-2	5.021-2	5.109-2	5.192-2	5.297-2	5.400-2
15	38	1.595-2	1.099-2	9.260-3	8.477-3	8.090-3	7.887-3	7.812-3	7.784-3	7.821-3	7.882-3
15	39	1.559-2	1.141-2	9.753-3	8.927-3	8.494-3	8.225-3	8.098-3	8.032-3	8.041-3	8.073-3
15	40	9.799-4	5.025-4	3.347-4	2.581-4	2.182-4	1.959-4	1.825-4	1.742-4	1.699-4	1.676-4
15	41	6.999-3	4.134-3	3.042-3	2.523-3	2.259-3	2.081-3	1.926-3	1.841-3	1.799-3	1.771-3
15	42	2.172-2	1.021-2	6.812-3	5.527-3	4.974-3	4.700-3	4.583-3	4.526-3	4.532-3	4.553-3
15	43	5.460-3	3.186-3	2.534-3	2.289-3	2.186-3	2.136-3	2.113-3	2.107-3	2.117-3	2.132-3
15	44	7.210-3	3.346-3	2.160-3	1.688-3	1.471-3	1.325-3	1.162-3	1.079-3	1.045-3	1.019-3
15	45	6.046-3	2.667-3	1.496-3	9.648-4	6.754-4	4.970-4	3.832-4	3.042-4	2.510-4	2.108-4
15	46	1.338-2	6.309-3	3.744-3	2.551-3	1.897-3	1.499-3	1.248-3	1.075-3	9.606-4	8.766-4
15	47	1.682-3	7.929-4	4.836-4	3.514-4	2.884-4	2.387-4	1.660-4	1.253-4	1.101-4	9.399-5
15	48	4.767-5	2.827-5	1.771-5	1.209-5	8.751-6	6.565-6	5.114-6	4.115-6	3.379-6	2.822-6
16	17	7.721-3	4.615-3	4.054-3	4.075-3	4.270-3	4.470-3	4.677-3	4.847-3	5.032-3	5.181-3
16	18	2.557-2	1.511-2	1.150-2	9.927-3	9.218-3	8.835-3	8.663-3	8.567-3	8.565-3	8.580-3
16	19	4.402-2	2.381-2	1.587-2	1.195-2	9.904-3	8.564-3	7.758-3	7.215-3	6.889-3	6.638-3
16	20	2.732-1	2.360-1	2.230-1	2.167-1	2.141-1	2.121-1	2.109-1	2.101-1	2.098-1	2.100-1
16	21	3.363-2	1.790-2	1.108-2	7.453-3	5.392-3	4.044-3	3.143-3	2.512-3	2.069-3	1.720-3
16	22	3.945-2	2.033-2	1.294-2	9.300-3	7.336-3	6.136-3	5.367-3	4.841-3	4.498-3	4.243-3
16	23	3.624-2	1.828-2	1.179-2	8.776-3	7.251-3	6.352-3	5.827-3	5.484-3	5.302-3	5.168-3
16	24	3.634-2	1.891-2	1.236-2	9.219-3	7.571-3	6.589-3	5.992-3	5.592-3	5.355-3	5.182-3
16	25	9.767-2	5.075-2	3.108-2	2.087-2	1.510-2	1.136-2	8.882-3	7.156-3	5.952-3	5.010-3
16	26	3.721-2	1.714-2	1.009-2	6.825-3	6.667-3	3.824-3	3.056-3	2.672-3	3.266-3	2.101-3
16	27	3.456-2	3.241-2	3.197-2	3.192-2	3.205-2	3.219-2	3.223-2	3.212-2	3.234-2	3.230-2

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
16	28	1.771-3	7.385-4	3.827-4	2.231-4	1.420-4	9.614-5	6.837-5	5.023-5	3.851-5	3.024-5
16	29	1.475-2	7.361-3	4.514-3	3.122-3	2.505-3	1.873-3	1.569-3	1.433-3	1.382-3	1.274-3
16	30	4.804-2	4.743-2	4.797-2	4.852-2	4.906-2	4.935-2	4.971-2	4.999-2	5.030-2	5.065-2
16	31	8.324-2	6.625-2	6.028-2	5.749-2	5.610-2	5.520-2	5.463-2	5.428-2	5.406-2	5.401-2
16	32	7.711-3	3.401-3	1.892-3	1.207-3	8.592-4	6.554-4	5.218-4	4.415-4	4.081-4	3.446-4
16	33	6.220-2	5.766-2	5.685-2	5.682-2	5.708-2	5.719-2	5.747-2	5.770-2	5.800-2	5.836-2
16	34	1.467-1	1.413-1	1.414-1	1.421-1	1.431-1	1.436-1	1.443-1	1.450-1	1.457-1	1.466-1
16	35	9.964-2	9.719-2	9.740-2	9.795-2	9.862-2	9.885-2	9.930-2	9.968-2	1.001-1	1.005-1
16	36	2.722-2	1.349-2	8.429-3	6.065-3	4.839-3	4.073-3	3.552-3	3.220-3	3.017-3	2.873-3
16	37	9.013-2	9.454-2	9.764-2	1.001-1	1.023-1	1.040-1	1.058-1	1.075-1	1.098-1	1.119-1
16	38	3.138-2	2.228-2	1.905-2	1.753-2	1.676-2	1.633-2	1.624-2	1.624-2	1.634-2	1.651-2
16	39	1.120-2	7.185-3	5.658-3	4.924-3	4.541-3	4.311-3	4.176-3	4.099-3	4.077-3	4.072-3
16	40	3.206-3	1.604-3	9.588-4	6.329-4	4.521-4	3.364-4	2.610-4	2.088-4	1.725-4	1.441-4
16	41	9.470-3	5.511-3	3.922-3	3.116-3	2.674-3	2.383-3	2.196-3	2.072-3	1.998-3	1.942-3
16	42	2.518-2	1.137-2	7.242-3	5.591-3	4.809-3	4.391-3	4.168-3	4.032-3	3.973-3	3.943-3
16	43	1.550-2	7.626-3	5.447-3	4.729-3	4.518-3	4.299-3	3.881-3	3.625-3	3.626-3	3.582-3
16	44	4.895-3	2.339-3	1.689-3	1.505-3	1.466-3	1.467-3	1.488-3	1.512-3	1.548-3	1.581-3
16	45	1.184-2	5.295-3	3.014-3	1.991-3	1.451-3	1.119-3	8.984-4	7.491-4	6.587-4	5.894-4
16	46	2.068-2	9.538-3	5.419-3	3.483-3	2.416-3	1.759-3	1.336-3	1.046-3	8.489-4	7.017-4
16	47	2.223-3	9.892-4	5.551-4	3.593-4	2.565-4	1.948-4	1.524-4	1.232-4	1.055-4	9.187-5
16	48	2.476-5	1.418-5	8.725-6	5.993-6	4.423-6	3.416-6	2.765-6	2.333-6	2.020-6	1.784-6
17	18	1.090-1	9.284-2	8.709-2	8.430-2	8.302-2	8.197-2	8.159-2	8.126-2	8.131-2	8.124-2
17	19	7.408-2	6.188-2	5.736-2	5.516-2	5.413-2	5.337-2	5.304-2	5.277-2	5.281-2	5.273-2
17	20	1.903-2	1.001-2	6.238-3	4.289-3	3.200-3	2.499-3	2.039-3	1.719-3	1.502-3	1.331-3
17	21	1.582-2	8.463-3	5.254-3	3.545-3	2.569-3	1.930-3	1.502-3	1.202-3	9.906-4	8.241-4
17	22	1.543-2	8.623-3	6.127-3	4.957-3	4.360-3	4.011-3	3.807-3	3.673-3	3.603-3	3.556-3
17	23	8.777-3	4.781-3	3.606-3	3.201-3	3.085-3	3.063-3	3.100-3	3.140-3	3.212-3	3.275-3
17	24	6.829-3	3.447-3	2.146-3	1.519-3	1.185-3	9.845-4	8.637-4	7.817-4	7.335-4	6.984-4
17	25	3.462-2	1.808-2	1.107-2	7.416-3	5.343-3	3.989-3	3.091-3	2.464-3	2.026-3	1.682-3
17	26	2.015-2	1.120-2	7.861-3	6.248-3	5.416-3	4.846-3	4.502-3	4.275-3	4.131-3	4.014-3
17	27	5.350-2	5.475-2	5.593-2	5.679-2	5.752-2	5.783-2	5.823-2	5.844-2	5.884-2	5.900-2
17	28	1.309-3	5.673-4	3.116-4	1.942-4	1.335-4	9.630-5	7.232-5	5.640-5	4.537-5	3.684-5
17	29	1.762-2	1.215-2	1.019-2	9.260-3	8.780-3	8.477-3	8.292-3	8.176-3	8.112-3	8.088-3
17	30	6.421-2	5.940-2	5.818-2	5.776-2	5.772-2	5.763-2	5.774-2	5.783-2	5.807-2	5.817-2
17	31	7.707-3	3.908-3	2.350-3	1.553-3	1.109-3	8.258-4	6.402-4	5.113-4	4.220-4	3.530-4
17	32	6.318-2	6.033-2	5.996-2	6.005-2	6.038-2	6.073-2	6.075-2	6.064-2	6.096-2	6.103-2
17	33	2.871-2	2.684-2	2.651-2	2.653-2	2.676-2	2.871-2	2.716-2	2.685-2	2.692-2	2.700-2
17	34	1.577-2	1.335-2	1.262-2	1.233-2	1.223-2	1.219-2	1.213-2	1.208-2	1.210-2	1.211-2
17	35	7.911-3	4.976-3	3.904-3	3.400-3	3.136-3	2.967-3	2.868-3	2.802-3	2.765-3	2.745-3
17	36	1.738-2	8.504-3	5.206-3	3.703-3	2.967-3	2.351-3	1.792-3	1.575-3	1.400-3	1.309-3
17	37	3.047-2	3.201-2	3.309-2	3.389-2	3.458-2	3.512-2	3.593-2	3.656-2	3.740-2	3.814-2
17	38	5.238-3	2.795-3	1.867-3	1.415-3	1.168-3	1.011-3	9.167-4	8.562-4	8.219-4	7.960-4
17	39	5.215-3	2.825-3	1.920-3	1.473-3	1.227-3	1.070-3	9.771-4	9.127-4	8.769-4	8.465-4
17	40	1.901-3	9.238-4	5.481-4	3.614-4	2.572-4	1.907-4	1.473-4	1.171-4	9.607-5	7.974-5
17	41	5.767-3	3.902-3	3.172-3	2.811-3	2.619-3	2.496-3	2.418-3	2.376-3	2.361-3	2.358-3
17	42	8.147-3	4.318-3	3.380-3	3.169-3	3.188-3	3.141-3	3.071-3	3.136-3	3.192-3	3.270-3
17	43	9.122-3	3.761-3	2.066-3	1.357-3	1.007-3	7.851-4	6.133-4	5.252-4	4.656-4	4.269-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
17	44	2.559-3	1.032-3	5.735-4	3.824-4	2.834-4	2.232-4	1.816-4	1.557-4	1.398-4	1.276-4
17	45	4.191-3	1.862-3	1.106-3	7.714-4	5.878-4	4.705-4	3.963-4	3.444-4	3.105-4	2.849-4
17	46	8.975-3	4.166-3	2.398-3	1.575-3	1.125-3	8.333-4	6.339-4	5.130-4	4.270-4	3.670-4
17	47	7.349-4	3.345-4	1.902-4	1.244-4	9.010-5	6.827-5	5.025-5	4.036-5	3.373-5	2.905-5
17	48	7.425-5	8.563-5	9.317-5	9.974-5	1.057-4	1.113-4	1.161-4	1.205-4	1.250-4	1.282-4
18	19	1.622-1	8.850-2	5.741-2	4.085-2	3.131-2	2.504-2	2.076-2	1.777-2	1.563-2	1.400-2
18	20	4.065-2	2.432-2	1.787-2	1.468-2	1.303-2	1.256-2	1.144-2	1.078-2	1.053-2	1.028-2
18	21	1.256-2	9.295-3	8.029-3	7.400-3	7.079-3	6.904-3	6.745-3	6.616-3	6.588-3	6.522-3
18	22	6.077-2	3.031-2	1.843-2	1.252-2	9.307-3	7.260-3	5.953-3	5.053-3	4.446-3	3.984-3
18	23	5.622-2	2.863-2	1.836-2	1.352-2	1.399-2	9.333-3	8.374-3	8.768-3	7.978-3	7.582-3
18	24	2.706-2	1.353-2	8.490-3	6.105-3	4.865-3	4.130-3	3.691-3	3.397-3	3.228-3	3.105-3
18	25	3.564-2	1.797-2	1.106-2	7.601-3	7.152-3	4.316-3	3.482-3	3.930-3	3.570-3	3.367-3
18	26	3.100-2	1.681-2	1.141-2	8.782-3	8.066-3	6.364-3	5.796-3	5.392-3	5.155-3	4.937-3
18	27	2.268-2	1.715-2	1.529-2	1.449-2	1.413-2	1.388-2	1.378-2	1.371-2	1.371-2	1.370-2
18	28	1.936-1	1.957-1	1.987-1	2.010-1	2.032-1	2.045-1	2.054-1	2.053-1	2.070-1	2.069-1
18	29	2.331-2	1.218-2	7.968-3	5.952-3	4.897-3	4.255-3	3.863-3	3.601-3	3.441-3	3.325-3
18	30	2.204-2	1.375-2	1.086-2	9.523-3	9.169-3	8.337-3	8.078-3	7.909-3	7.833-3	7.750-3
18	31	5.538-3	2.855-3	1.834-3	1.345-3	1.085-3	9.291-4	8.340-4	7.698-4	7.309-4	7.025-4
18	32	8.570-2	8.313-2	8.297-2	8.323-2	8.376-2	8.441-2	8.438-2	8.416-2	8.457-2	8.474-2
18	33	1.790-1	1.700-1	1.685-1	1.686-1	1.693-1	1.693-1	1.700-1	1.705-1	1.712-1	1.720-1
18	34	8.443-3	5.586-3	4.573-3	4.124-3	3.910-3	3.780-3	3.717-3	3.678-3	3.665-3	3.657-3
18	35	2.975-2	2.777-2	2.732-2	2.726-2	2.756-2	2.948-2	2.793-2	2.756-2	2.744-2	2.752-2
18	36	1.566-2	8.102-3	5.334-3	4.034-3	3.343-3	2.899-3	2.649-3	2.501-3	2.422-3	2.380-3
18	37	1.961-2	1.787-2	1.762-2	1.772-2	1.793-2	1.814-2	1.848-2	1.880-2	1.921-2	1.961-2
18	38	1.211-2	6.630-3	4.621-3	3.701-3	3.240-3	2.965-3	2.804-3	2.708-3	2.665-3	2.642-3
18	39	1.683-2	1.260-2	1.096-2	1.017-2	9.765-3	9.523-3	9.445-3	9.415-3	9.464-3	9.534-3
18	40	1.630-2	1.479-2	1.432-2	1.414-2	1.409-2	1.408-2	1.423-2	1.436-2	1.457-2	1.476-2
18	41	1.099-2	6.236-3	4.363-3	3.435-3	2.929-3	2.614-3	2.418-3	2.290-3	2.214-3	2.163-3
18	42	1.307-2	6.758-3	4.455-3	3.389-3	2.821-3	2.475-3	2.271-3	2.135-3	2.057-3	2.004-3
18	43	1.286-2	9.586-3	8.785-3	8.616-3	8.650-3	8.718-3	8.875-3	9.009-3	9.184-3	9.343-3
18	44	1.293-2	1.018-2	9.241-3	8.824-3	8.621-3	8.504-3	8.527-3	8.553-3	8.636-3	8.718-3
18	45	9.219-3	3.973-3	2.280-3	1.560-3	1.192-3	9.617-4	7.980-4	7.003-4	6.453-4	6.041-4
18	46	1.956-2	8.405-3	4.664-3	2.987-3	2.072-3	1.516-3	1.160-3	9.112-4	7.417-4	6.167-4
18	47	3.197-3	1.475-3	8.639-4	5.876-4	4.393-4	3.462-4	2.775-4	2.326-4	2.049-4	1.833-4
18	48	7.266-5	4.460-5	2.903-5	2.040-5	1.504-5	1.141-5	8.942-6	7.238-6	5.956-6	4.988-6
19	20	1.883-1	1.012-1	6.512-2	4.626-2	3.551-2	2.866-2	2.405-2	2.084-2	1.860-2	1.690-2
19	21	5.911-3	2.895-3	1.688-3	1.084-3	7.539-4	5.486-4	4.160-4	3.251-4	2.630-4	2.156-4
19	22	7.221-2	3.942-2	2.646-2	1.996-2	1.640-2	1.416-2	1.271-2	1.171-2	1.105-2	1.054-2
19	23	4.727-2	2.294-2	1.385-2	9.480-3	7.205-3	5.717-3	4.823-3	4.254-3	3.834-3	3.534-3
19	24	1.040-1	5.345-2	3.441-2	2.532-2	2.639-2	1.736-2	1.543-2	1.609-2	1.815-2	1.355-2
19	25	4.783-2	2.387-2	1.468-2	1.012-2	7.614-3	6.082-3	5.006-3	4.303-3	3.833-3	3.478-3
19	26	4.491-2	2.699-2	2.026-2	1.701-2	1.563-2	1.413-2	1.341-2	1.287-2	1.261-2	1.241-2
19	27	8.686-2	7.849-2	7.621-2	7.550-2	7.561-2	7.824-2	7.737-2	7.510-2	7.570-2	7.531-2
19	28	2.962-3	1.411-3	8.050-4	5.082-4	3.463-4	2.486-4	1.864-4	1.437-4	1.150-4	9.364-5
19	29	8.277-2	7.014-2	6.603-2	6.421-2	6.336-2	6.279-2	6.258-2	6.248-2	6.253-2	6.257-2
19	30	1.180-1	1.085-1	1.063-1	1.058-1	1.060-1	1.060-1	1.064-1	1.067-1	1.072-1	1.078-1
19	31	2.733-2	1.574-2	1.143-2	9.418-3	8.660-3	7.813-3	8.019-3	7.310-3	7.020-3	6.891-3

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
19	32	3.211-1	3.231-1	3.277-1	3.313-1	3.346-1	3.360-1	3.378-1	3.386-1	3.410-1	3.415-1
19	33	1.140-2	5.278-3	3.071-3	2.028-3	1.475-3	1.136-3	9.180-4	7.728-4	6.771-4	6.041-4
19	34	7.030-2	6.768-2	6.740-2	6.758-2	6.800-2	6.837-2	6.843-2	6.845-2	6.865-2	6.896-2
19	35	1.396-1	1.291-1	1.266-1	1.261-1	1.264-1	1.266-1	1.267-1	1.269-1	1.273-1	1.277-1
19	36	1.963-2	9.913-3	6.363-3	4.697-3	3.801-3	3.250-3	2.908-3	2.674-3	2.520-3	2.404-3
19	37	2.539-2	2.117-2	2.014-2	1.991-2	1.998-2	2.012-2	2.045-2	2.079-2	2.123-2	2.167-2
19	38	2.173-2	1.361-2	1.073-2	9.451-3	8.834-3	8.484-3	8.309-3	8.227-3	8.237-3	8.276-3
19	39	1.954-2	1.359-2	1.135-2	1.028-2	9.708-3	9.380-3	9.263-3	9.217-3	9.244-3	9.308-3
19	40	1.719-3	8.753-4	5.398-4	3.675-4	2.683-4	2.024-4	1.589-4	1.283-4	1.070-4	9.022-5
19	41	2.912-2	2.057-2	1.724-2	1.560-2	1.475-2	1.423-2	1.404-2	1.396-2	1.400-2	1.408-2
19	42	2.185-2	1.570-2	1.373-2	1.295-2	1.262-2	1.246-2	1.252-2	1.261-2	1.277-2	1.294-2
19	43	2.454-2	1.811-2	1.585-2	1.486-2	1.437-2	1.411-2	1.407-2	1.409-2	1.419-2	1.433-2
19	44	4.841-3	2.958-3	2.466-3	2.335-3	2.330-3	2.343-3	2.364-3	2.391-3	2.440-3	2.484-3
19	45	1.835-2	1.043-2	7.831-3	6.719-3	6.157-3	5.836-3	5.654-3	5.550-3	5.516-3	5.511-3
19	46	3.107-2	1.358-2	7.726-3	5.134-3	3.744-3	2.810-3	2.119-3	1.670-3	1.394-3	1.189-3
19	47	5.463-3	2.696-3	1.717-3	1.287-3	1.068-3	9.261-4	7.613-4	6.380-4	5.898-4	5.450-4
19	48	1.016-4	6.226-5	4.068-5	2.872-5	2.126-5	1.619-5	1.275-5	1.037-5	8.581-6	7.230-6
20	21	3.377-3	1.493-3	8.098-4	4.948-4	3.344-4	2.440-4	1.902-4	1.552-4	1.336-4	1.186-4
20	22	8.034-3	4.521-3	3.028-3	2.240-3	1.793-3	1.498-3	1.296-3	1.156-3	1.058-3	9.815-4
20	23	9.995-2	5.385-2	3.569-2	2.660-2	2.163-2	1.851-2	1.647-2	1.507-2	1.414-2	1.340-2
20	24	2.094-1	1.051-1	6.526-2	4.584-2	3.545-2	2.900-2	2.493-2	2.215-2	2.037-2	1.899-2
20	25	4.997-2	2.383-2	1.414-2	9.454-3	6.913-3	5.343-3	4.344-3	3.662-3	3.210-3	2.868-3
20	26	5.376-2	3.661-2	3.018-2	2.707-2	2.555-2	2.435-2	2.369-2	2.325-2	2.301-2	2.288-2
20	27	3.429-3	1.571-3	8.895-4	5.671-4	3.954-4	2.937-4	2.299-4	1.862-4	1.573-4	1.364-4
20	28	2.419-3	1.197-3	7.687-4	5.816-4	4.925-4	4.430-4	4.165-4	4.002-4	3.930-4	3.877-4
20	29	1.614-1	1.472-1	1.436-1	1.424-1	1.424-1	1.423-1	1.426-1	1.430-1	1.435-1	1.442-1
20	30	5.309-2	4.800-2	4.658-2	4.610-2	4.602-2	4.589-2	4.593-2	4.593-2	4.613-2	4.619-2
20	31	1.935-1	1.643-1	1.549-1	1.510-1	1.494-1	1.483-1	1.477-1	1.473-1	1.476-1	1.474-1
20	32	5.177-3	2.614-3	1.673-3	1.244-3	1.028-3	9.033-4	8.321-4	7.861-4	7.621-4	7.439-4
20	33	1.143-1	1.070-1	1.054-1	1.051-1	1.057-1	1.099-1	1.102-1	1.055-1	1.059-1	1.057-1
20	34	5.098-1	5.110-1	5.176-1	5.231-1	5.279-1	5.298-1	5.328-1	5.352-1	5.385-1	5.405-1
20	35	1.678-1	1.447-1	1.382-1	1.360-1	1.355-1	1.352-1	1.354-1	1.357-1	1.362-1	1.368-1
20	36	2.809-2	1.468-2	9.808-3	7.512-3	6.501-3	5.545-3	4.924-3	4.584-3	4.374-3	4.229-3
20	37	1.510-2	6.138-3	3.211-3	1.948-3	1.319-3	9.696-4	7.620-4	6.272-4	5.424-4	4.839-4
20	38	2.688-2	1.609-2	1.229-2	1.057-2	9.697-3	9.203-3	8.965-3	8.855-3	8.836-3	8.864-3
20	39	1.102-2	5.485-3	3.516-3	2.642-3	2.204-3	1.958-3	1.822-3	1.736-3	1.694-3	1.669-3
20	40	2.571-3	1.306-3	8.712-4	6.868-4	6.000-4	5.537-4	5.314-4	5.188-4	5.156-4	5.153-4
20	41	2.703-2	1.393-2	8.448-3	5.636-3	4.058-3	3.041-3	2.377-3	1.916-3	1.597-3	1.347-3
20	42	5.444-2	4.979-2	4.884-2	4.896-2	4.951-2	4.985-2	5.011-2	5.039-2	5.114-2	5.183-2
20	43	1.451-2	7.296-3	4.806-3	3.734-3	3.220-3	2.912-3	2.624-3	2.428-3	2.350-3	2.308-3
20	44	4.236-3	2.150-3	1.394-3	1.054-3	8.791-4	7.756-4	7.164-4	6.778-4	6.570-4	6.426-4
20	45	1.942-2	8.257-3	4.522-3	2.887-3	2.035-3	1.536-3	1.184-3	9.381-4	7.926-4	6.887-4
20	46	4.591-2	2.047-2	1.190-2	8.082-3	6.043-3	4.737-3	3.762-3	3.033-3	2.632-3	2.314-3
20	47	7.954-3	3.596-3	2.018-3	1.290-3	8.905-4	6.441-4	4.875-4	3.795-4	3.062-4	2.505-4
20	48	1.320-4	8.087-5	5.276-5	3.716-5	2.743-5	2.080-5	1.631-5	1.320-5	1.086-5	9.086-6
21	22	7.368-3	3.671-3	2.163-3	1.404-3	9.778-4	7.124-4	5.418-4	4.218-4	3.415-4	2.805-4
21	23	8.557-3	4.257-3	2.508-3	1.629-3	1.138-3	8.318-4	6.354-4	4.977-4	4.056-4	3.358-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
21	24	9.398-3	4.705-3	2.779-3	1.807-3	1.261-3	9.194-4	6.996-4	5.453-4	4.417-4	3.630-4
21	25	1.913-3	1.760-3	2.195-3	2.643-3	3.035-3	3.340-3	3.603-3	3.807-3	4.003-3	4.165-3
21	26	2.185-1	2.208-1	2.245-1	2.273-1	2.297-1	2.306-1	2.321-1	2.330-1	2.347-1	2.350-1
21	27	4.236-3	2.143-3	1.286-3	8.493-4	6.052-4	4.499-4	3.476-4	2.760-4	2.262-4	1.877-4
21	28	1.789-3	7.759-4	4.170-4	2.529-4	1.691-4	1.202-4	8.943-5	6.942-5	5.596-5	4.605-5
21	29	7.529-4	3.241-4	1.709-4	1.008-4	6.481-5	4.422-5	3.166-5	2.342-5	1.806-5	1.422-5
21	30	2.803-3	2.086-3	1.820-3	1.695-3	1.633-3	1.590-3	1.569-3	1.552-3	1.548-3	1.539-3
21	31	7.828-4	3.541-4	2.148-4	1.579-4	1.329-4	1.209-4	1.156-4	1.130-4	1.128-4	1.134-4
21	32	5.526-3	2.462-3	1.354-3	8.347-4	5.632-4	4.014-4	2.977-4	2.289-4	1.816-4	1.465-4
21	33	4.679-3	2.634-3	1.805-3	1.389-3	1.198-3	9.689-4	8.742-4	1.016-3	8.349-4	9.650-4
21	34	6.710-3	4.131-3	3.228-3	2.821-3	2.722-3	2.374-3	2.308-3	2.808-3	2.368-3	2.846-3
21	35	5.072-3	2.532-3	1.506-3	9.894-4	7.020-4	5.204-4	4.012-4	3.180-4	2.602-4	2.157-4
21	36	1.115-3	4.572-4	2.359-4	1.377-4	8.776-5	5.968-5	4.271-5	3.166-5	2.450-5	1.943-5
21	37	1.362-3	6.150-4	4.052-4	3.052-4	2.377-4	1.876-4	1.519-4	1.240-4	1.039-4	8.930-5
21	38	2.865-3	1.322-3	7.375-4	4.593-4	3.105-4	2.195-4	1.542-4	1.181-4	9.261-5	7.687-5
21	39	1.399-3	6.349-4	3.527-4	2.186-4	1.456-4	1.024-4	7.518-5	5.687-5	4.455-5	3.578-5
21	40	4.365-4	2.015-4	1.118-4	6.863-5	4.505-5	3.145-5	2.288-5	1.713-5	1.329-5	1.066-5
21	41	6.587-4	2.990-4	1.798-4	1.245-4	9.343-5	7.142-5	5.706-5	4.706-5	3.991-5	3.385-5
21	42	2.171-3	9.310-4	5.061-4	3.133-4	2.113-4	1.513-4	1.133-4	8.739-5	6.987-5	5.698-5
21	43	1.405-3	7.118-4	4.968-4	4.187-4	3.944-4	3.546-4	2.826-4	2.756-4	2.616-4	2.624-4
21	44	5.265-4	2.276-4	1.254-4	7.885-5	5.405-5	3.931-5	2.990-5	2.344-5	1.904-5	1.577-5
21	45	1.275-3	4.114-4	2.161-4	1.676-4	1.607-4	1.545-4	1.467-4	1.524-4	1.587-4	1.641-4
21	46	2.893-3	1.101-3	5.332-4	2.970-4	1.810-4	1.182-4	8.135-5	5.796-5	4.317-5	3.301-5
21	47	4.221-5	1.531-5	7.755-6	4.903-6	3.459-6	2.533-6	1.962-6	1.589-6	1.323-6	1.104-6
21	48	6.549-6	4.244-6	2.744-6	1.901-6	1.390-6	1.054-6	8.290-7	6.712-7	5.549-7	4.663-7
22	23	2.578-1	1.378-1	8.910-2	6.382-2	4.941-2	4.019-2	3.396-2	2.962-2	2.652-2	2.419-2
22	24	8.433-3	5.377-3	4.145-3	3.503-3	3.142-3	2.894-3	2.732-3	2.619-3	2.546-3	2.485-3
22	25	1.842-1	1.030-1	7.138-2	5.557-2	4.689-2	4.136-2	3.773-2	3.524-2	3.353-2	3.227-2
22	26	1.921-2	1.429-2	1.252-2	1.170-2	1.129-2	1.101-2	1.087-2	1.077-2	1.074-2	1.074-2
22	27	3.308-1	3.272-1	3.303-1	3.334-1	3.363-1	3.372-1	3.391-1	3.403-1	3.426-1	3.434-1
22	28	2.433-3	1.169-3	6.752-4	4.335-4	2.993-4	2.166-4	1.639-4	1.272-4	1.027-4	8.414-5
22	29	2.793-1	2.655-1	2.636-1	2.637-1	2.645-1	2.646-1	2.654-1	2.662-1	2.672-1	2.680-1
22	30	1.760-1	1.691-1	1.686-1	1.691-1	1.699-1	1.701-1	1.708-1	1.715-1	1.722-1	1.731-1
22	31	3.102-2	2.793-2	2.714-2	2.686-2	2.681-2	2.675-2	2.673-2	2.675-2	2.678-2	2.687-2
22	32	2.924-2	2.598-2	2.534-2	2.529-2	2.544-2	2.553-2	2.570-2	2.584-2	2.605-2	2.619-2
22	33	3.411-1	3.373-1	3.404-1	3.437-1	3.468-1	3.480-1	3.500-1	3.516-1	3.532-1	3.552-1
22	34	2.662-2	2.559-2	2.554-2	2.564-2	2.580-2	2.586-2	2.599-2	2.611-2	2.623-2	2.639-2
22	35	2.084-2	1.948-2	1.918-2	1.912-2	1.927-2	2.144-2	1.958-2	1.923-2	1.920-2	1.922-2
22	36	2.327-2	1.010-2	5.497-3	3.417-3	2.428-3	1.664-3	1.253-3	9.946-4	8.555-4	7.209-4
22	37	1.247-2	6.359-3	4.279-3	3.395-3	2.971-3	2.737-3	2.620-3	2.550-3	2.528-3	2.521-3
22	38	1.896-2	9.336-3	5.895-3	4.339-3	3.530-3	3.063-3	2.766-3	2.571-3	2.458-3	2.374-3
22	39	8.567-3	5.424-3	4.631-3	4.454-3	4.481-3	4.538-3	4.599-3	4.669-3	4.774-3	4.865-3
22	40	5.352-3	2.574-3	1.501-3	9.818-4	6.914-4	5.110-4	3.951-4	3.142-4	2.591-4	2.174-4
22	41	1.635-2	9.379-3	6.768-3	5.564-3	4.936-3	4.567-3	4.384-3	4.276-3	4.235-3	4.224-3
22	42	1.479-2	8.432-3	6.272-3	5.330-3	4.865-3	4.570-3	4.370-3	4.260-3	4.223-3	4.212-3
22	43	4.468-2	3.778-2	3.527-2	3.419-2	3.378-2	3.359-2	3.370-2	3.394-2	3.434-2	3.481-2
22	44	1.079-1	1.064-1	1.069-1	1.078-1	1.088-1	1.097-1	1.114-1	1.131-1	1.151-1	1.171-1

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
22	45	2.939-2	1.400-2	8.493-3	5.982-3	4.648-3	3.826-3	3.256-3	2.874-3	2.648-3	2.474-3
22	46	2.136-2	9.215-3	5.256-3	3.523-3	2.603-3	2.038-3	1.687-3	1.451-3	1.300-3	1.187-3
22	47	6.436-4	4.350-4	3.722-4	3.655-4	3.820-4	3.820-4	2.854-4	2.082-4	2.002-4	1.853-4
22	48	1.100-5	7.049-6	5.463-6	5.033-6	4.977-6	5.032-6	5.124-6	5.245-6	5.354-6	5.453-6
23	24	2.382-1	1.242-1	7.733-2	5.274-2	3.860-2	2.949-2	2.330-2	1.897-2	1.584-2	1.345-2
23	25	2.126-1	1.163-1	7.887-2	6.017-2	4.987-2	4.336-2	3.910-2	3.613-2	3.419-2	3.261-2
23	26	1.851-2	1.225-2	9.878-3	8.734-3	8.134-3	7.754-3	7.524-3	7.371-3	7.285-3	7.233-3
23	27	9.828-3	5.213-3	3.666-3	3.019-3	2.735-3	2.582-3	2.518-3	2.487-3	2.494-3	2.505-3
23	28	1.116-3	8.144-4	8.766-4	9.891-4	1.099-3	1.185-3	1.260-3	1.320-3	1.378-3	1.424-3
23	29	4.541-1	4.520-1	4.573-1	4.620-1	4.663-1	4.683-1	4.704-1	4.724-1	4.742-1	4.766-1
23	30	3.979-1	3.930-1	3.969-1	4.008-1	4.046-1	4.066-1	4.089-1	4.109-1	4.134-1	4.154-1
23	31	3.885-1	3.693-1	3.663-1	3.664-1	3.677-1	3.681-1	3.686-1	3.690-1	3.706-1	3.707-1
23	32	8.795-3	4.358-3	2.669-3	1.867-3	1.438-3	1.179-3	1.022-3	9.157-4	8.508-4	8.034-4
23	33	1.773-1	1.683-1	1.669-1	1.669-1	1.675-1	1.676-1	1.679-1	1.679-1	1.688-1	1.690-1
23	34	5.726-2	5.622-2	5.663-2	5.712-2	5.763-2	5.789-2	5.822-2	5.850-2	5.886-2	5.915-2
23	35	1.363-1	1.332-1	1.338-1	1.348-1	1.359-1	1.366-1	1.369-1	1.373-1	1.377-1	1.384-1
23	36	4.643-2	2.767-2	2.130-2	1.849-2	1.707-2	1.620-2	1.568-2	1.537-2	1.516-2	1.504-2
23	37	1.930-2	9.825-3	6.639-3	5.306-3	4.682-3	4.345-3	4.185-3	4.093-3	4.073-3	4.074-3
23	38	2.575-2	1.416-2	1.039-2	8.866-3	8.195-3	8.015-3	7.638-3	7.555-3	7.518-3	7.484-3
23	39	1.559-2	7.614-3	4.617-3	3.207-3	2.446-3	1.986-3	1.703-3	1.510-3	1.388-3	1.299-3
23	40	2.145-3	1.576-3	1.667-3	1.857-3	2.044-3	2.190-3	2.320-3	2.424-3	2.521-3	2.602-3
23	41	1.830-2	9.040-3	5.304-3	3.458-3	2.419-3	1.771-3	1.355-3	1.067-3	8.720-4	7.239-4
23	42	3.828-2	2.959-2	2.669-2	2.550-2	2.503-2	2.479-2	2.475-2	2.484-2	2.511-2	2.544-2
23	43	1.191-1	1.139-1	1.132-1	1.135-1	1.142-1	1.150-1	1.167-1	1.186-1	1.208-1	1.230-1
23	44	6.247-3	3.455-3	2.388-3	1.879-3	1.613-3	1.442-3	1.340-3	1.272-3	1.233-3	1.203-3
23	45	5.845-2	3.776-2	3.031-2	2.693-2	2.517-2	2.413-2	2.367-2	2.348-2	2.349-2	2.359-2
23	46	3.165-2	1.453-2	8.915-3	6.461-3	5.168-3	4.381-3	3.885-3	3.550-3	3.348-3	3.199-3
23	47	5.672-4	2.475-4	1.337-4	8.311-5	5.607-5	3.998-5	3.008-5	2.342-5	1.897-5	1.568-5
23	48	1.212-5	5.754-6	2.817-6	1.617-6	1.045-6	7.326-7	5.477-7	4.285-7	3.452-7	2.845-7
24	25	3.056-1	1.929-1	1.503-1	1.294-1	1.182-1	1.111-1	1.065-1	1.034-1	1.014-1	9.982-2
24	26	1.569-2	7.760-3	4.637-3	3.095-3	2.248-3	1.720-3	1.384-3	1.151-3	9.966-4	8.785-4
24	27	3.791-3	1.858-3	1.130-3	7.850-4	6.004-4	4.899-4	4.229-4	3.774-4	3.498-4	3.299-4
24	28	2.837-3	1.399-3	8.191-4	5.312-4	3.695-4	2.689-4	2.044-4	1.594-4	1.291-4	1.061-4
24	29	2.571-1	2.465-1	2.461-1	2.472-1	2.489-1	2.498-1	2.508-1	2.518-1	2.534-1	2.543-1
24	30	9.919-3	4.639-3	2.736-3	1.862-3	1.405-3	1.138-3	9.766-4	8.690-4	8.034-4	7.556-4
24	31	1.197-0	1.171-0	1.176-0	1.183-0	1.192-0	1.196-0	1.199-0	1.203-0	1.207-0	1.211-0
24	32	1.757-3	1.011-3	7.637-4	6.633-4	6.189-4	5.917-4	5.790-4	5.710-4	5.703-4	5.680-4
24	33	8.477-3	4.537-3	3.010-3	2.267-3	1.874-3	1.623-3	1.471-3	1.370-3	1.311-3	1.266-3
24	34	3.990-3	2.122-3	1.462-3	1.171-3	1.027-3	9.393-4	8.909-4	8.588-4	8.439-4	8.302-4
24	35	6.222-1	6.137-1	6.188-1	6.242-1	6.292-1	6.317-1	6.348-1	6.376-1	6.416-1	6.441-1
24	36	7.149-2	4.980-2	4.233-2	3.904-2	3.848-2	3.899-2	3.488-2	3.782-2	3.551-2	3.530-2
24	37	2.913-2	1.528-2	1.081-2	9.046-3	8.297-3	7.929-3	7.801-3	7.752-3	7.804-3	7.871-3
24	38	3.552-2	1.828-2	1.263-2	1.035-2	9.315-3	8.767-3	8.520-3	8.388-3	8.376-3	8.385-3
24	39	1.882-2	9.430-3	6.108-3	4.645-3	3.909-3	3.484-3	3.248-3	3.098-3	3.023-3	2.973-3
24	40	4.774-3	2.276-3	1.313-3	8.481-4	5.883-4	4.270-4	3.240-4	2.525-4	2.041-4	1.675-4
24	41	1.393-2	6.995-3	4.250-3	2.926-3	2.199-3	1.754-3	1.478-3	1.291-3	1.170-3	1.081-3
24	42	1.845-1	1.754-1	1.739-1	1.742-1	1.753-1	1.766-1	1.791-1	1.822-1	1.857-1	1.892-1

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
24	43	1.497-2	6.653-3	3.820-3	2.563-3	1.903-3	1.510-3	1.270-3	1.109-3	1.006-3	9.313-4
24	44	1.741-3	7.477-4	4.324-4	3.017-4	2.363-4	1.987-4	1.765-4	1.619-4	1.531-4	1.470-4
24	45	5.167-2	2.459-2	1.430-2	9.340-3	6.604-3	4.887-3	3.783-3	3.018-3	2.493-3	2.089-3
24	46	4.314-2	2.096-2	1.378-2	1.068-2	9.102-3	8.178-3	7.337-3	6.738-3	6.457-3	6.305-3
24	47	5.357-4	2.369-4	1.275-4	7.862-5	5.243-5	3.693-5	2.744-5	2.108-5	1.685-5	1.372-5
24	48	8.046-6	3.424-6	1.335-6	5.806-7	2.868-7	1.595-7	9.879-8	6.546-8	4.597-8	3.383-8
25	26	3.833-1	3.733-1	3.749-1	3.773-1	3.798-1	3.811-1	3.829-1	3.845-1	3.867-1	3.882-1
25	27	1.054-2	4.887-3	2.800-3	1.815-3	1.282-3	9.591-4	7.565-4	6.169-4	5.253-4	4.571-4
25	28	3.921-3	1.921-3	1.124-3	7.319-4	5.127-4	3.771-4	2.906-4	2.303-4	1.901-4	1.597-4
25	29	9.304-2	7.467-2	6.871-2	6.614-2	6.602-2	7.156-2	8.421-2	6.400-2	6.293-2	6.261-2
25	30	2.257-2	1.341-2	1.013-2	8.588-3	8.542-3	7.029-3	6.223-3	1.039-2	1.168-2	9.160-3
25	31	5.895-2	3.501-2	2.641-2	2.236-2	2.024-2	1.890-2	1.803-2	1.745-2	1.710-2	1.678-2
25	32	9.901-3	4.903-3	2.987-3	2.075-3	1.584-3	1.287-3	1.105-3	9.813-4	9.047-4	8.483-4
25	33	1.915-2	1.090-2	8.067-3	6.811-3	6.515-3	5.822-3	5.564-3	5.403-3	5.326-3	5.288-3
25	34	4.995-3	3.509-3	2.962-3	2.709-3	2.872-3	2.523-3	2.417-3	2.375-3	2.359-3	2.364-3
25	35	1.233-1	1.183-1	1.183-1	1.190-1	1.198-1	1.202-1	1.208-1	1.214-1	1.220-1	1.227-1
25	36	8.045-1	8.182-1	8.333-1	8.452-1	8.546-1	8.590-1	8.641-1	8.689-1	8.730-1	8.780-1
25	37	2.721-2	1.289-2	7.389-3	4.755-3	3.297-3	2.396-3	1.822-3	1.423-3	1.154-3	9.515-4
25	38	4.188-2	2.577-2	1.971-2	1.688-2	1.538-2	1.460-2	1.409-2	1.341-2	1.319-2	1.297-2
25	39	1.381-2	6.937-3	4.473-3	3.387-3	2.838-3	2.522-3	2.345-3	2.232-3	2.174-3	2.135-3
25	40	4.149-3	2.007-3	1.165-3	7.564-4	5.283-4	3.872-4	2.975-4	2.353-4	1.935-4	1.621-4
25	41	8.143-3	4.972-3	4.308-3	4.262-3	4.386-3	4.512-3	4.658-3	4.784-3	4.917-3	5.027-3
25	42	2.785-2	1.724-2	1.344-2	1.168-2	1.076-2	1.020-2	9.967-3	9.882-3	9.886-3	9.957-3
25	43	3.856-2	3.442-2	3.348-2	3.337-2	3.358-2	3.381-2	3.432-2	3.490-2	3.559-2	3.628-2
25	44	5.044-3	2.552-3	1.554-3	1.048-3	7.612-4	5.713-4	4.466-4	3.591-4	2.979-4	2.490-4
25	45	2.771-1	2.841-1	2.914-1	2.978-1	3.035-1	3.079-1	3.135-1	3.192-1	3.255-1	3.319-1
25	46	6.154-2	4.453-2	4.004-2	3.857-2	3.807-2	3.796-2	3.823-2	3.862-2	3.910-2	3.965-2
25	47	1.540-3	8.097-4	5.569-4	4.441-4	3.831-4	3.410-4	3.143-4	2.950-4	2.821-4	2.705-4
25	48	3.018-5	1.748-5	1.111-5	7.873-6	5.927-6	4.631-6	3.750-6	3.128-6	2.660-6	2.294-6
26	27	5.885-2	4.351-2	3.763-2	3.476-2	3.328-2	3.225-2	3.163-2	3.118-2	3.098-2	3.079-2
26	28	2.252-3	1.278-3	9.543-4	8.126-4	7.431-4	7.026-4	6.804-4	6.657-4	6.596-4	6.526-4
26	29	7.362-2	3.606-2	2.121-2	1.385-2	9.801-3	7.276-3	5.650-3	4.531-3	3.764-3	3.184-3
26	30	7.037-2	3.457-2	2.035-2	1.327-2	9.369-3	6.937-3	5.364-3	4.280-3	3.537-3	2.972-3
26	31	5.994-2	3.583-2	2.650-2	2.193-2	1.958-2	2.285-2	1.789-2	1.619-2	1.577-2	1.534-2
26	32	1.684-2	1.196-2	1.034-2	9.638-3	9.323-3	9.599-3	9.137-3	8.898-3	8.885-3	8.851-3
26	33	6.186-2	4.062-2	3.236-2	2.830-2	2.612-2	2.471-2	2.385-2	2.328-2	2.293-2	2.266-2
26	34	4.554-2	2.796-2	2.163-2	1.870-2	1.738-2	1.628-2	1.607-2	1.551-2	1.507-2	1.483-2
26	35	6.730-2	3.744-2	2.571-2	1.992-2	1.676-2	1.477-2	1.349-2	1.262-2	1.203-2	1.161-2
26	36	2.104-2	1.339-2	1.153-2	1.109-2	1.119-2	1.120-2	1.233-2	1.149-2	1.143-2	1.155-2
26	37	2.038-2	1.025-2	6.198-3	4.143-3	3.027-3	2.224-3	1.729-3	1.406-3	1.180-3	9.762-4
26	38	3.868-3	1.997-3	1.307-3	9.824-4	8.880-4	6.234-4	5.366-4	5.566-4	5.799-4	6.352-4
26	39	1.891-2	1.667-2	1.593-2	1.561-2	1.547-2	1.534-2	1.530-2	1.530-2	1.530-2	1.531-2
26	40	2.920-3	2.363-3	2.177-3	2.099-3	2.063-3	2.035-3	2.025-3	2.022-3	2.022-3	2.020-3
26	41	8.698-2	8.638-2	8.695-2	8.761-2	8.819-2	8.827-2	8.865-2	8.905-2	8.942-2	8.971-2
26	42	1.024-2	5.205-3	3.513-3	2.764-3	2.370-3	2.207-3	1.999-3	1.870-3	1.789-3	1.744-3
26	43	1.149-2	5.387-3	3.330-3	2.439-3	1.984-3	1.708-3	1.524-3	1.412-3	1.352-3	1.310-3
26	44	1.204-2	5.969-3	3.795-3	2.787-3	2.233-3	1.899-3	1.703-3	1.570-3	1.490-3	1.436-3

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
26	45	1.574-2	1.138-2	1.024-2	9.888-3	9.793-3	9.779-3	9.888-3	9.994-3	1.015-2	1.030-2
26	46	3.070-2	2.644-2	2.604-2	2.645-2	2.702-2	2.755-2	2.819-2	2.875-2	2.936-2	2.996-2
26	47	1.093-2	6.052-3	4.796-3	4.432-3	4.330-3	4.287-3	4.298-3	4.332-3	4.396-3	4.455-3
26	48	1.932-4	1.010-4	5.999-5	3.969-5	2.807-5	2.075-5	1.600-5	1.269-5	1.034-5	8.545-6
27	28	7.564-3	3.776-3	2.256-3	1.488-3	1.060-3	7.858-4	6.061-4	4.814-4	3.942-4	3.266-4
27	29	1.892-2	1.392-2	1.255-2	1.213-2	1.206-2	1.202-2	1.209-2	1.216-2	1.228-2	1.236-2
27	30	1.061-1	8.648-2	7.949-2	7.624-2	7.464-2	7.349-2	7.294-2	7.263-2	7.257-2	7.248-2
27	31	7.910-3	4.080-3	2.778-3	2.235-3	1.986-3	1.854-3	1.796-3	1.764-3	1.763-3	1.767-3
27	32	2.241-1	2.215-1	2.238-1	2.262-1	2.285-1	2.294-1	2.307-1	2.314-1	2.329-1	2.335-1
27	33	9.074-2	4.700-2	2.907-2	1.975-2	1.445-2	1.094-2	8.595-3	7.358-3	5.874-3	4.903-3
27	34	7.386-2	6.764-2	6.611-2	6.572-2	6.579-2	6.577-2	6.581-2	6.578-2	6.605-2	6.619-2
27	35	1.513-2	8.648-3	6.078-3	4.805-3	4.106-3	3.657-3	3.372-3	3.178-3	3.053-3	2.956-3
27	36	3.682-2	2.033-2	1.384-2	1.065-2	8.993-3	7.751-3	7.130-3	6.554-3	6.231-3	5.857-3
27	37	5.338-2	5.146-2	5.125-2	5.135-2	5.156-2	5.157-2	5.173-2	5.192-2	5.212-2	5.222-2
27	38	2.085-2	1.822-2	1.748-2	1.723-2	1.717-2	1.710-2	1.710-2	1.712-2	1.718-2	1.721-2
27	39	2.534-2	2.439-2	2.429-2	2.435-2	2.447-2	2.448-2	2.456-2	2.466-2	2.475-2	2.479-2
27	40	5.127-4	2.591-4	1.607-4	1.115-4	8.353-5	6.419-5	5.125-5	4.208-5	3.549-5	2.999-5
27	41	7.916-3	6.559-3	6.118-3	5.943-3	5.864-3	5.795-3	5.774-3	5.766-3	5.772-3	5.764-3
27	42	9.138-3	5.263-3	4.431-3	4.319-3	4.995-3	4.334-3	4.452-3	4.908-3	4.823-3	4.910-3
27	43	5.043-3	2.227-3	1.286-3	8.626-4	6.732-4	4.412-4	3.439-4	2.898-4	3.167-4	2.243-4
27	44	3.876-3	1.769-3	1.055-3	7.325-4	5.574-4	4.523-4	3.823-4	3.340-4	3.009-4	2.754-4
27	45	3.530-3	1.802-3	1.205-3	9.262-4	8.129-4	6.075-4	5.318-4	5.109-4	5.511-4	4.702-4
27	46	6.516-3	2.666-3	1.495-3	1.040-3	8.354-4	6.508-4	4.633-4	4.133-4	3.672-4	3.554-4
27	47	4.488-3	1.884-3	1.052-3	7.075-4	5.302-4	4.276-4	3.595-4	3.177-4	2.906-4	2.721-4
27	48	1.156-2	1.415-2	1.586-2	1.723-2	1.845-2	1.942-2	2.030-2	2.109-2	2.194-2	2.254-2
28	29	1.075-2	5.573-3	3.395-3	2.272-3	1.634-3	1.215-3	9.399-4	7.480-4	6.145-4	5.095-4
28	30	1.520-1	1.501-1	1.515-1	1.529-1	1.543-1	1.546-1	1.555-1	1.561-1	1.571-1	1.573-1
28	31	7.396-3	4.129-3	3.161-3	2.842-3	2.755-3	2.741-3	2.777-3	2.818-3	2.882-3	2.940-3
28	32	4.689-2	2.485-2	1.557-2	1.064-2	7.788-3	5.932-3	4.666-3	3.777-3	3.130-3	2.634-3
28	33	7.249-2	7.198-2	7.293-2	7.387-2	7.474-2	7.509-2	7.556-2	7.579-2	7.640-2	7.648-2
28	34	4.581-2	4.111-2	3.981-2	3.941-2	3.939-2	3.980-2	3.951-2	3.915-2	3.940-2	3.929-2
28	35	1.419-2	7.129-3	4.253-3	2.801-3	1.990-3	1.473-3	1.135-3	8.997-4	7.359-4	6.090-4
28	36	6.702-3	3.244-3	1.893-3	1.232-3	8.638-4	6.311-4	4.818-4	3.785-4	3.079-4	2.536-4
28	37	1.174-3	6.142-4	3.852-4	2.670-4	1.978-4	1.516-4	1.200-4	9.785-5	8.172-5	6.892-5
28	38	2.584-3	1.576-3	1.234-3	1.081-3	1.000-3	9.513-4	9.221-4	9.028-4	8.918-4	8.808-4
28	39	8.885-4	4.232-4	2.481-4	1.632-4	1.159-4	8.596-5	6.640-5	5.276-5	4.333-5	3.598-5
28	40	6.929-5	2.884-5	1.824-5	1.412-5	1.179-5	9.846-6	8.469-6	7.432-6	6.689-6	5.952-6
28	41	8.045-4	4.094-4	2.539-4	1.744-4	1.290-4	9.749-5	7.661-5	6.183-5	5.138-5	4.275-5
28	42	3.481-3	1.381-3	6.972-4	4.045-4	2.570-4	1.744-4	1.245-4	9.201-5	7.088-5	5.591-5
28	43	2.147-3	1.476-3	1.272-3	1.195-3	1.163-3	1.143-3	1.135-3	1.133-3	1.134-3	1.134-3
28	44	4.606-4	2.067-4	1.164-4	7.489-5	5.211-5	3.840-5	2.956-5	2.345-5	1.923-5	1.610-5
28	45	1.486-3	1.039-3	9.120-4	8.699-4	8.529-4	8.403-4	8.388-4	8.387-4	8.428-4	8.430-4
28	46	3.094-3	1.244-3	6.444-4	3.898-4	2.573-4	1.805-4	1.331-4	1.014-4	8.027-5	6.482-5
28	47	3.088-3	1.270-3	6.835-4	4.314-4	2.938-4	2.120-4	1.599-4	1.239-4	9.928-5	8.156-5
28	48	1.447-4	9.103-5	5.822-5	4.013-5	2.924-5	2.210-5	1.735-5	1.401-5	1.157-5	9.695-6
29	30	3.135-1	2.380-1	2.094-1	1.954-1	1.879-1	1.827-1	1.799-1	1.780-1	1.769-1	1.764-1
29	31	5.141-1	4.147-1	3.783-1	3.609-1	3.519-1	3.457-1	3.425-1	3.406-1	3.396-1	3.395-1

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
29	32	1.339-1	1.232-1	1.207-1	1.202-1	1.204-1	1.202-1	1.206-1	1.209-1	1.216-1	1.218-1
29	33	4.773-1	4.541-1	4.509-1	4.516-1	4.533-1	4.534-1	4.552-1	4.567-1	4.585-1	4.608-1
29	34	4.737-2	2.495-2	1.684-2	1.319-2	1.140-2	1.035-2	9.780-3	9.428-3	9.278-3	9.178-3
29	35	5.352-2	3.733-2	3.232-2	3.041-2	2.967-2	2.927-2	2.918-2	2.918-2	2.931-2	2.943-2
29	36	6.540-2	2.836-2	1.553-2	9.721-3	7.311-3	4.727-3	3.571-3	2.869-3	2.976-3	2.493-3
29	37	3.317-3	1.481-3	8.661-4	6.021-4	4.795-4	3.978-4	3.547-4	3.309-4	3.407-4	3.371-4
29	38	1.709-2	1.409-2	1.316-2	1.282-2	1.268-2	1.256-2	1.253-2	1.251-2	1.251-2	1.254-2
29	39	4.182-2	4.191-2	4.257-2	4.321-2	4.374-2	4.393-2	4.425-2	4.451-2	4.484-2	4.499-2
29	40	3.086-3	1.403-3	7.832-4	4.936-4	3.370-4	2.422-4	1.823-4	1.413-4	1.136-4	9.287-5
29	41	1.220-2	8.693-3	7.428-3	6.861-3	6.580-3	6.397-3	6.302-3	6.242-3	6.223-3	6.208-3
29	42	1.042-2	4.581-3	2.728-3	1.954-3	1.695-3	1.294-3	1.152-3	1.077-3	1.130-3	1.094-3
29	43	1.688-2	8.678-3	5.846-3	4.580-3	4.072-3	3.410-3	3.017-3	3.418-3	3.171-3	2.886-3
29	44	1.355-2	8.165-3	6.528-3	5.886-3	5.673-3	5.503-3	5.112-3	5.262-3	5.367-3	5.243-3
29	45	3.446-2	1.969-2	1.388-2	1.103-2	9.804-3	8.212-3	7.176-3	7.880-3	7.175-3	6.748-3
29	46	2.499-2	1.082-2	6.182-3	4.255-3	3.316-3	2.572-3	1.883-3	1.476-3	1.278-3	1.130-3
29	47	3.820-2	2.037-2	1.367-2	1.054-2	8.814-3	7.729-3	7.090-3	6.671-3	6.411-3	6.231-3
29	48	3.926-4	2.277-4	1.419-4	9.811-5	7.202-5	5.490-5	4.362-5	3.594-5	3.023-5	2.593-5
30	31	4.851-2	3.172-2	2.528-2	2.215-2	2.049-2	1.949-2	1.877-2	1.820-2	1.795-2	1.768-2
30	32	2.262-2	1.461-2	1.145-2	9.873-3	9.004-3	8.427-3	8.072-3	7.824-3	7.669-3	7.543-3
30	33	1.070-1	8.310-2	7.420-2	6.992-2	6.772-2	6.625-2	6.528-2	6.462-2	6.429-2	6.413-2
30	34	5.282-2	3.789-2	3.299-2	3.104-2	3.023-2	2.976-2	2.964-2	2.961-2	2.972-2	2.982-2
30	35	5.897-2	3.563-2	2.660-2	2.218-2	1.976-2	1.822-2	1.725-2	1.659-2	1.618-2	1.588-2
30	36	5.152-2	2.336-2	1.319-2	8.437-3	6.063-3	4.315-3	3.331-3	2.671-3	2.210-3	1.873-3
30	37	1.345-2	1.144-2	1.080-2	1.053-2	1.042-2	1.033-2	1.030-2	1.028-2	1.030-2	1.030-2
30	38	9.773-3	7.448-3	6.737-3	6.458-3	6.339-3	6.266-3	6.239-3	6.228-3	6.236-3	6.244-3
30	39	1.280-2	1.178-2	1.159-2	1.158-2	1.164-2	1.165-2	1.170-2	1.175-2	1.181-2	1.186-2
30	40	3.186-2	3.267-2	3.340-2	3.397-2	3.442-2	3.461-2	3.486-2	3.510-2	3.531-2	3.545-2
30	41	8.572-3	4.432-3	2.804-3	2.003-3	1.557-3	1.311-3	1.114-3	9.587-4	8.722-4	8.012-4
30	42	7.602-3	3.403-3	1.967-3	1.329-3	1.048-3	7.750-4	6.561-4	5.801-4	5.779-4	5.572-4
30	43	1.104-2	5.158-3	3.475-3	2.873-3	2.643-3	2.522-3	2.489-3	2.487-3	2.510-3	2.530-3
30	44	1.026-2	4.367-3	2.389-3	1.512-3	1.043-3	7.594-4	5.824-4	4.667-4	3.841-4	3.268-4
30	45	1.625-2	8.363-3	5.312-3	3.834-3	3.066-3	2.454-3	2.107-3	1.934-3	1.800-3	1.718-3
30	46	1.787-2	7.728-3	4.449-3	3.081-3	2.397-3	1.902-3	1.535-3	1.352-3	1.245-3	1.175-3
30	47	1.887-2	8.753-3	5.013-3	3.278-3	2.326-3	1.726-3	1.323-3	1.051-3	8.713-4	7.311-4
30	48	2.245-4	1.286-4	7.883-5	5.343-5	3.842-5	2.864-5	2.222-5	1.784-5	1.461-5	1.217-5
31	32	3.189-2	1.698-2	1.152-2	9.058-3	7.842-3	7.129-3	6.747-3	6.511-3	6.414-3	6.350-3
31	33	4.097-2	2.812-2	2.428-2	2.290-2	2.241-2	2.217-2	2.217-2	2.222-2	2.238-2	2.250-2
31	34	2.021-1	1.590-1	1.433-1	1.362-1	1.325-1	1.300-1	1.287-1	1.279-1	1.277-1	1.275-1
31	35	3.419-1	3.181-1	3.140-1	3.140-1	3.157-1	3.174-1	3.169-1	3.171-1	3.176-1	3.189-1
31	36	2.779-1	2.319-1	2.191-1	2.149-1	2.134-1	2.123-1	2.123-1	2.126-1	2.131-1	2.139-1
31	37	5.786-3	2.682-3	1.599-3	1.122-3	8.817-4	7.448-4	6.663-4	6.160-4	5.879-4	5.689-4
31	38	7.321-2	7.274-2	7.345-2	7.429-2	7.506-2	7.546-2	7.582-2	7.586-2	7.634-2	7.647-2
31	39	1.066-2	5.040-3	2.918-3	1.908-3	1.355-3	1.016-3	7.996-4	6.508-4	5.502-4	4.744-4
31	40	4.240-3	2.065-3	1.359-3	1.077-3	9.490-4	8.826-4	8.522-4	8.364-4	8.340-4	8.357-4
31	41	4.703-3	2.405-3	1.669-3	1.388-3	1.273-3	1.219-3	1.203-3	1.199-3	1.209-3	1.220-3
31	42	1.645-2	8.288-3	5.830-3	4.863-3	4.464-3	4.335-3	4.062-3	4.081-3	3.874-3	3.823-3
31	43	3.595-2	2.847-2	2.600-2	2.495-2	2.448-2	2.449-2	2.447-2	2.372-2	2.369-2	2.357-2

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
31	44	9.732-3	4.463-3	2.747-3	2.025-3	1.668-3	1.464-3	1.351-3	1.280-3	1.243-3	1.218-3
31	45	5.849-2	3.814-2	3.086-2	2.761-2	2.598-2	2.498-2	2.440-2	2.391-2	2.374-2	2.355-2
31	46	3.006-2	1.271-2	7.176-3	4.853-3	3.655-3	2.941-3	2.485-3	2.173-3	1.995-3	1.870-3
31	47	4.842-2	2.277-2	1.310-2	8.530-3	5.990-3	4.385-3	3.360-3	2.651-3	2.164-3	1.787-3
31	48	5.117-4	2.958-4	1.834-4	1.256-4	9.114-5	6.840-5	5.336-5	4.305-5	3.538-5	2.956-5
32	33	1.467-1	1.299-1	1.247-1	1.227-1	1.220-1	1.212-1	1.212-1	1.212-1	1.215-1	1.217-1
32	34	1.541-1	1.187-1	1.052-1	9.875-2	9.537-2	9.291-2	9.161-2	9.069-2	9.029-2	8.991-2
32	35	2.429-1	2.320-1	2.308-1	2.315-1	2.328-1	2.328-1	2.339-1	2.345-1	2.360-1	2.363-1
32	36	2.521-2	1.305-2	8.230-3	5.857-3	4.531-3	3.680-3	3.137-3	2.759-3	2.506-3	2.305-3
32	37	2.755-3	1.854-3	1.531-3	1.378-3	1.329-3	1.155-3	1.083-3	1.177-3	1.305-3	1.191-3
32	38	7.213-3	4.518-3	3.564-3	3.115-3	2.885-3	2.703-3	2.598-3	2.528-3	2.480-3	2.442-3
32	39	3.343-3	1.699-3	1.097-3	8.093-4	6.649-4	5.137-4	4.351-4	4.486-4	4.406-4	3.818-4
32	40	5.317-4	2.325-4	1.301-4	8.370-5	5.872-5	4.295-5	3.284-5	2.593-5	2.117-5	1.744-5
32	41	2.403-3	1.230-3	7.695-4	5.361-4	4.024-4	3.088-4	2.472-4	2.037-4	1.726-4	1.470-4
32	42	1.585-2	1.060-2	8.846-3	8.119-3	7.861-3	7.605-3	8.147-3	7.339-3	7.274-3	7.131-3
32	43	5.875-3	2.584-3	1.455-3	9.482-4	7.547-4	4.640-4	3.619-4	3.045-4	2.690-4	3.221-4
32	44	2.163-3	1.108-3	7.814-4	6.507-4	5.990-4	5.509-4	5.328-4	5.231-4	5.184-4	5.143-4
32	45	3.497-3	1.587-3	9.468-4	6.634-4	5.189-4	4.033-4	3.432-4	3.393-4	3.041-4	2.989-4
32	46	9.782-3	4.105-3	2.270-3	1.517-3	1.155-3	8.619-4	5.840-4	4.869-4	4.048-4	3.694-4
32	47	9.991-3	4.276-3	2.432-3	1.645-3	1.225-3	9.725-4	7.896-4	6.766-4	6.007-4	5.497-4
32	48	1.075-2	1.289-2	1.431-2	1.547-2	1.652-2	1.735-2	1.812-2	1.881-2	1.955-2	2.008-2
33	34	2.306-1	2.217-1	2.217-1	2.230-1	2.247-1	2.251-1	2.263-1	2.274-1	2.285-1	2.296-1
33	35	1.124-1	5.847-2	3.676-2	2.567-2	2.002-2	1.525-2	1.254-2	1.076-2	9.397-3	8.333-3
33	36	7.269-2	3.526-2	2.074-2	1.364-2	1.007-2	7.233-3	5.646-3	4.577-3	3.801-3	3.226-3
33	37	4.864-2	4.583-2	4.524-2	4.511-2	4.515-2	4.504-2	4.512-2	4.521-2	4.536-2	4.546-2
33	38	6.226-2	6.000-2	5.981-2	6.005-2	6.036-2	6.036-2	6.062-2	6.086-2	6.110-2	6.135-2
33	39	1.469-2	1.241-2	1.166-2	1.136-2	1.125-2	1.222-2	1.220-2	1.097-2	1.103-2	1.095-2
33	40	8.263-3	6.813-3	6.326-3	6.119-3	6.017-3	5.931-3	5.894-3	5.867-3	5.865-3	5.839-3
33	41	1.017-2	7.411-3	6.474-3	6.077-3	5.886-3	5.759-3	5.700-3	5.671-3	5.659-3	5.652-3
33	42	1.072-2	6.200-3	5.173-3	4.987-3	5.090-3	5.111-3	5.249-3	5.497-3	5.507-3	5.620-3
33	43	1.212-2	6.094-3	4.200-3	3.433-3	3.068-3	2.862-3	2.753-3	2.688-3	2.658-3	2.642-3
33	44	4.780-3	2.733-3	2.115-3	1.868-3	1.770-3	1.648-3	1.568-3	1.592-3	1.745-3	1.559-3
33	45	1.237-2	5.963-3	3.666-3	2.602-3	2.017-3	1.635-3	1.398-3	1.235-3	1.126-3	1.043-3
33	46	1.511-2	6.207-3	3.346-3	2.147-3	1.538-3	1.143-3	8.599-4	6.991-4	5.982-4	5.270-4
33	47	1.363-2	6.334-3	3.817-3	2.717-3	2.144-3	1.788-3	1.500-3	1.322-3	1.222-3	1.144-3
33	48	1.613-4	9.522-5	5.798-5	3.856-5	2.728-5	2.006-5	1.541-5	1.224-5	9.965-6	8.242-6
34	35	5.874-1	5.641-1	5.630-1	5.657-1	5.692-1	5.699-1	5.727-1	5.750-1	5.775-1	5.806-1
34	36	1.037-1	7.161-2	5.921-2	5.330-2	5.016-2	4.825-2	4.675-2	4.578-2	4.519-2	4.485-2
34	37	5.798-3	4.447-3	3.974-3	3.752-3	3.706-3	3.423-3	3.274-3	3.442-3	3.360-3	3.310-3
34	38	9.871-3	6.735-3	5.597-3	5.048-3	4.991-3	4.478-3	4.324-3	4.224-3	4.154-3	4.086-3
34	39	3.170-3	1.558-3	1.028-3	7.949-4	7.088-4	5.438-4	4.723-4	5.127-4	4.402-4	4.304-4
34	40	2.571-3	1.418-3	9.972-4	7.986-4	6.961-4	6.148-4	5.389-4	5.188-4	5.131-4	4.875-4
34	41	9.214-3	5.671-3	4.279-3	3.595-3	3.268-3	2.878-3	2.607-3	2.654-3	2.738-3	2.472-3
34	42	1.275-2	7.460-3	5.552-3	4.678-3	4.206-3	3.900-3	3.712-3	3.563-3	3.459-3	3.389-3
34	43	1.166-2	6.049-3	4.147-3	3.319-3	2.958-3	2.575-3	2.370-3	2.721-3	2.569-3	2.301-3
34	44	1.061-2	4.854-3	2.963-3	2.155-3	1.776-3	1.503-3	1.362-3	1.271-3	1.216-3	1.173-3
34	45	8.381-3	3.893-3	2.362-3	1.686-3	1.401-3	1.073-3	9.960-4	8.624-4	7.970-4	7.544-4

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
34	46	2.057-2	8.674-3	4.805-3	3.181-3	2.356-3	1.855-3	1.515-3	1.308-3	1.179-3	1.088-3
34	47	1.976-2	8.239-3	4.512-3	2.927-3	2.079-3	1.580-3	1.234-3	1.006-3	8.606-4	7.557-4
34	48	1.382-3	8.908-4	5.741-4	3.971-4	2.899-4	2.194-4	1.724-4	1.395-4	1.152-4	9.665-5
35	36	1.824-1	1.288-1	1.083-1	9.859-2	9.339-2	8.992-2	8.791-2	8.661-2	8.589-2	8.532-2
35	37	2.584-2	2.205-2	2.081-2	2.026-2	1.998-2	1.974-2	1.963-2	1.954-2	1.956-2	1.950-2
35	38	1.182-1	1.139-1	1.134-1	1.137-1	1.143-1	1.147-1	1.148-1	1.148-1	1.150-1	1.154-1
35	39	2.876-2	2.465-2	2.330-2	2.276-2	2.252-2	2.230-2	2.222-2	2.217-2	2.222-2	2.218-2
35	40	2.524-3	1.127-3	6.349-4	4.103-4	2.910-4	2.196-4	1.740-4	1.428-4	1.212-4	1.050-4
35	41	2.260-2	1.868-2	1.750-2	1.707-2	1.691-2	1.676-2	1.673-2	1.673-2	1.678-2	1.678-2
35	42	1.726-2	9.023-3	6.487-3	5.492-3	5.051-3	4.904-3	4.707-3	4.617-3	4.597-3	4.591-3
35	43	1.323-2	8.303-3	7.164-3	6.957-3	7.029-3	7.283-3	7.346-3	7.402-3	7.543-3	7.672-3
35	44	8.901-3	5.193-3	4.397-3	4.303-3	4.449-3	4.499-3	4.578-3	4.747-3	4.862-3	5.165-3
35	45	1.907-2	1.166-2	9.299-3	8.299-3	7.767-3	7.418-3	7.224-3	7.090-3	7.023-3	6.981-3
35	46	2.393-2	9.909-3	5.489-3	3.644-3	2.698-3	2.159-3	1.841-3	1.639-3	1.519-3	1.440-3
35	47	1.748-2	8.695-3	5.901-3	4.776-3	4.229-3	3.923-3	3.693-3	3.548-3	3.498-3	3.464-3
35	48	1.060-4	6.619-5	4.610-5	3.703-5	3.282-5	3.071-5	2.977-5	2.951-5	2.954-5	2.966-5
36	37	1.067-2	7.085-3	5.897-3	5.393-3	5.156-3	5.354-3	5.089-3	4.821-3	4.811-3	4.749-3
36	38	1.522-2	9.552-3	7.538-3	6.627-3	6.154-3	5.859-3	5.689-3	5.581-3	5.517-3	5.478-3
36	39	3.541-2	3.211-2	3.140-2	3.130-2	3.142-2	3.229-2	3.213-2	3.136-2	3.160-2	3.148-2
36	40	4.015-3	1.741-3	9.403-4	5.766-4	3.839-4	2.712-4	2.008-4	1.536-4	1.220-4	9.887-5
36	41	6.949-2	6.845-2	6.910-2	6.999-2	7.073-2	7.096-2	7.143-2	7.182-2	7.231-2	7.253-2
36	42	1.767-2	9.645-3	6.974-3	5.822-3	5.227-3	4.916-3	4.647-3	4.471-3	4.372-3	4.300-3
36	43	3.994-2	3.300-2	3.100-2	3.034-2	3.012-2	3.035-2	3.006-2	2.976-2	2.973-2	2.979-2
36	44	9.516-3	4.484-3	2.862-3	2.180-3	1.830-3	1.789-3	1.629-3	1.408-3	1.367-3	1.314-3
36	45	1.301-1	1.238-1	1.239-1	1.253-1	1.265-1	1.270-1	1.280-1	1.288-1	1.296-1	1.304-1
36	46	3.416-2	2.330-2	2.087-2	2.039-2	2.044-2	2.057-2	2.079-2	2.102-2	2.126-2	2.149-2
36	47	1.203-1	1.163-1	1.173-1	1.194-1	1.215-1	1.232-1	1.258-1	1.283-1	1.311-1	1.338-1
36	48	3.294-4	4.057-4	4.748-4	5.335-4	5.829-4	6.226-4	6.552-4	6.852-4	7.101-4	7.309-4
37	38	3.469-2	2.024-2	1.511-2	1.264-2	1.121-2	1.044-2	9.563-3	8.961-3	8.558-3	8.209-3
37	39	1.554-2	8.481-3	6.025-3	4.883-3	4.241-3	4.295-3	3.541-3	3.301-3	3.148-3	3.011-3
37	40	5.104-3	2.555-3	1.668-3	1.252-3	1.015-3	8.610-4	7.535-4	6.742-4	6.136-4	5.640-4
37	41	1.181-2	5.525-3	3.329-3	2.332-3	1.806-3	1.473-3	1.264-3	1.122-3	1.020-3	9.427-4
37	42	1.920-1	1.807-1	1.767-1	1.755-1	1.750-1	1.738-1	1.736-1	1.734-1	1.738-1	1.733-1
37	43	1.339-1	1.229-1	1.192-1	1.180-1	1.175-1	1.166-1	1.165-1	1.166-1	1.167-1	1.167-1
37	44	1.026-1	9.938-2	9.870-2	9.893-2	9.929-2	9.909-2	9.932-2	9.976-2	1.000-1	1.001-1
37	45	9.310-2	5.874-2	4.579-2	3.974-2	3.646-2	3.426-2	3.289-2	3.192-2	3.131-2	3.080-2
37	46	1.238-2	5.774-3	3.748-3	2.947-3	2.555-3	2.334-3	2.211-3	2.132-3	2.086-3	2.048-3
37	47	7.888-3	3.668-3	2.354-3	1.884-3	1.745-3	1.607-3	1.227-3	1.117-3	1.067-3	1.037-3
37	48	2.379-4	2.752-4	3.006-4	3.242-4	3.434-4	3.598-4	3.753-4	3.898-4	4.058-4	4.176-4
38	39	1.678-1	1.329-1	1.185-1	1.114-1	1.073-1	1.040-1	1.021-1	1.009-1	1.000-1	9.930-2
38	40	7.095-2	6.705-2	6.596-2	6.578-2	6.582-2	6.555-2	6.559-2	6.544-2	6.570-2	6.550-2
38	41	9.336-2	7.024-2	6.146-2	5.739-2	5.520-2	5.351-2	5.257-2	5.195-2	5.158-2	5.124-2
38	42	9.185-2	6.515-2	5.511-2	5.021-2	4.745-2	4.639-2	4.389-2	4.284-2	4.211-2	4.153-2
38	43	6.063-2	5.111-2	4.881-2	4.831-2	4.829-2	4.827-2	4.848-2	4.872-2	4.900-2	4.927-2
38	44	2.443-2	1.976-2	1.855-2	1.822-2	1.815-2	1.811-2	1.816-2	1.824-2	1.835-2	1.844-2
38	45	2.795-2	1.752-2	1.423-2	1.291-2	1.233-2	1.217-2	1.366-2	1.157-2	1.147-2	1.143-2
38	46	5.606-2	3.090-2	2.152-2	1.716-2	1.477-2	1.324-2	1.228-2	1.164-2	1.120-2	1.088-2

Table 2. Collision strengths for transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Energy (Ry)									
i	j	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
38	47	1.062-2	4.398-3	2.433-3	1.623-3	1.264-3	9.151-4	7.420-4	6.714-4	6.218-4	5.352-4
38	48	5.121-3	3.314-3	2.101-3	1.432-3	1.035-3	7.760-4	6.068-4	4.901-4	4.039-4	3.387-4
39	40	3.957-2	2.174-2	1.429-2	1.036-2	8.037-3	6.450-3	5.349-3	4.556-3	3.961-3	3.487-3
39	41	8.928-2	7.268-2	6.655-2	6.388-2	6.250-2	6.149-2	6.087-2	6.032-2	6.030-2	5.998-2
39	42	2.949-2	2.372-2	2.208-2	2.155-2	2.137-2	2.125-2	2.128-2	2.131-2	2.144-2	2.151-2
39	43	3.293-2	2.425-2	2.065-2	1.874-2	1.753-2	1.657-2	1.591-2	1.539-2	1.499-2	1.462-2
39	44	2.771-2	2.598-2	2.600-2	2.634-2	2.667-2	2.685-2	2.709-2	2.734-2	2.753-2	2.772-2
39	45	3.667-2	3.012-2	2.850-2	2.813-2	2.811-2	2.828-2	2.821-2	2.817-2	2.833-2	2.842-2
39	46	3.301-2	1.756-2	1.145-2	8.481-3	6.786-3	5.651-3	4.896-3	4.369-3	3.979-3	3.669-3
39	47	2.139-2	1.651-2	1.512-2	1.470-2	1.455-2	1.444-2	1.443-2	1.450-2	1.451-2	1.455-2
39	48	4.886-1	5.930-1	6.641-1	7.241-1	7.712-1	8.108-1	8.485-1	8.834-1	9.223-1	9.515-1
40	41	1.783-2	9.721-3	6.203-3	4.351-3	3.256-3	2.529-3	2.032-3	1.680-3	1.422-3	1.221-3
40	42	3.470-3	1.664-3	9.843-4	6.533-4	4.700-4	3.508-4	2.732-4	2.195-4	1.815-4	1.517-4
40	43	8.623-3	8.051-3	7.961-3	8.004-3	8.057-3	8.089-3	8.126-3	8.168-3	8.221-3	8.262-3
40	44	1.076-2	6.417-3	4.662-3	3.726-3	3.151-3	2.734-3	2.431-3	2.200-3	2.018-3	1.865-3
40	45	7.809-3	4.746-3	3.842-3	3.512-3	3.369-3	3.295-3	3.256-3	3.243-3	3.247-3	3.246-3
40	46	1.320-2	6.329-3	3.693-3	2.429-3	1.725-3	1.271-3	9.784-4	7.766-4	6.347-4	5.244-4
40	47	4.461-3	1.813-3	9.434-4	5.755-4	3.858-4	2.738-4	2.039-4	1.576-4	1.259-4	1.021-4
40	48	1.187-3	7.732-4	4.924-4	3.365-4	2.437-4	1.830-4	1.432-4	1.157-4	9.538-5	8.000-5
41	42	2.073-2	1.816-2	1.762-2	1.756-2	1.762-2	1.763-2	1.772-2	1.780-2	1.792-2	1.800-2
41	43	2.958-2	2.558-2	2.456-2	2.434-2	2.434-2	2.431-2	2.440-2	2.452-2	2.467-2	2.478-2
41	44	1.361-2	8.390-3	6.173-3	5.023-3	4.327-3	3.827-3	3.480-3	3.235-3	3.042-3	2.877-3
41	45	1.151-1	1.135-1	1.146-1	1.160-1	1.172-1	1.174-1	1.181-1	1.185-1	1.191-1	1.195-1
41	46	4.792-2	3.457-2	2.821-2	2.487-2	2.275-2	2.110-2	1.996-2	1.911-2	1.842-2	1.781-2
41	47	6.515-2	6.208-2	6.191-2	6.259-2	6.321-2	6.352-2	6.379-2	6.422-2	6.463-2	6.485-2
41	48	1.329-0	1.615-0	1.811-0	1.975-0	2.104-0	2.213-0	2.317-0	2.414-0	2.522-0	2.605-0
42	43	3.068-1	2.333-1	2.065-1	1.944-1	1.878-1	1.826-1	1.799-1	1.781-1	1.768-1	1.761-1
42	44	3.243-2	2.294-2	2.013-2	1.912-2	1.869-2	1.839-2	1.827-2	1.822-2	1.823-2	1.824-2
42	45	6.142-2	3.089-2	1.965-2	1.432-2	1.139-2	9.452-3	8.199-3	7.334-3	6.725-3	6.242-3
42	46	1.144-1	6.746-2	5.058-2	4.287-2	3.896-2	3.772-2	3.925-2	3.325-2	3.207-2	3.137-2
42	47	2.636-2	1.387-2	1.012-2	8.667-3	8.051-3	7.614-3	7.356-3	7.184-3	7.130-3	7.083-3
42	48	5.992-5	2.829-5	1.408-5	8.125-6	5.259-6	3.699-6	2.841-6	2.303-6	1.979-6	1.739-6
43	44	2.271-1	1.713-1	1.499-1	1.398-1	1.342-1	1.298-1	1.272-1	1.257-1	1.245-1	1.235-1
43	45	1.025-1	7.905-2	7.064-2	6.698-2	6.502-2	6.348-2	6.268-2	6.224-2	6.190-2	6.169-2
43	46	9.831-2	6.342-2	5.067-2	4.484-2	4.179-2	4.591-2	3.977-2	3.720-2	3.621-2	3.574-2
43	47	5.601-2	4.566-2	4.290-2	4.221-2	4.205-2	4.186-2	4.193-2	4.212-2	4.226-2	4.241-2
43	48	1.240-4	7.280-5	4.431-5	2.982-5	2.157-5	1.633-5	1.296-5	1.063-5	8.935-6	7.638-6
44	45	5.375-2	3.047-2	2.165-2	1.741-2	1.504-2	1.474-2	1.516-2	1.157-2	1.108-2	1.061-2
44	46	4.710-2	2.416-2	1.586-2	1.203-2	1.024-2	8.556-3	7.694-3	7.110-3	6.725-3	6.420-3
44	47	1.459-2	6.140-3	3.506-3	2.442-3	1.918-3	1.645-3	1.456-3	1.292-3	1.239-3	1.154-3
44	48	7.051-2	8.541-2	9.589-2	1.043-1	1.111-1	1.169-1	1.225-1	1.278-1	1.337-1	1.384-1
45	46	5.088-1	4.775-1	4.674-1	4.655-1	4.647-1	4.618-1	4.619-1	4.621-1	4.624-1	4.631-1
45	47	4.049-1	4.084-1	4.138-1	4.206-1	4.257-1	4.273-1	4.301-1	4.328-1	4.353-1	4.371-1
45	48	9.922-5	5.756-5	4.150-5	3.332-5	2.817-5	2.448-5	2.179-5	1.972-5	1.805-5	1.670-5
46	47	3.815-1	3.775-1	3.819-1	3.886-1	3.938-1	3.957-1	3.987-1	4.015-1	4.046-1	4.058-1
46	48	1.668-4	1.844-4	1.898-4	1.934-4	1.953-4	1.955-4	1.954-4	1.956-4	1.954-4	1.949-4
47	48	5.714-1	6.923-1	7.782-1	8.445-1	9.034-1	9.591-1	1.017-0	1.074-0	1.137-0	1.190-0

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
1	2	2.260-0	1.952-0	1.898-0	2.061-0	2.241-0	2.412-0	2.017-0	1.741-0	1.456-0	9.650-1	5.564-1
1	3	5.563-1	5.243-1	5.030-1	5.196-1	5.360-1	5.344-1	4.347-1	3.799-1	3.257-1	2.356-1	1.630-1
1	4	1.022-0	1.220-0	1.419-0	1.479-0	1.515-0	1.483-0	1.156-0	9.796-1	8.043-1	5.105-1	2.679-1
1	5	1.755-1	1.534-1	1.501-1	1.530-1	1.557-1	1.516-1	1.140-1	9.464-2	7.596-2	4.558-2	2.130-2
1	6	1.449-0	1.456-0	1.454-0	1.453-0	1.450-0	1.434-0	1.417-0	1.426-0	1.450-0	1.546-0	1.757-0
1	7	5.459-1	5.423-1	5.354-1	5.316-1	5.272-1	5.160-1	5.024-1	5.030-1	5.089-1	5.387-1	6.090-1
1	8	3.089-2	3.355-2	3.240-2	3.068-2	2.844-2	2.265-2	1.437-2	1.178-2	9.591-3	6.272-3	3.428-3
1	9	2.062-1	2.251-1	2.239-1	2.158-1	2.037-1	1.701-1	1.238-1	1.100-1	9.847-2	8.142-2	6.739-2
1	10	5.124-2	4.788-2	4.137-2	3.849-2	3.523-2	2.771-2	1.805-2	1.511-2	1.258-2	8.562-3	4.817-3
1	11	2.384-1	2.013-1	1.561-1	1.405-1	1.252-1	9.500-2	6.122-2	5.159-2	4.352-2	3.117-2	2.034-2
1	12	4.270-1	3.692-1	2.931-1	2.639-1	2.342-1	1.762-1	1.128-1	9.500-2	8.025-2	5.788-2	3.837-2
1	13	5.414-1	4.640-1	3.808-1	3.490-1	3.153-1	2.437-1	1.587-1	1.338-1	1.126-1	7.940-2	4.898-2
1	14	5.168-1	5.885-1	5.426-1	5.011-1	4.521-1	3.451-1	2.205-1	1.845-1	1.539-1	1.056-1	6.029-2
1	15	3.454-1	3.295-1	2.903-1	2.679-1	2.421-1	1.862-1	1.231-1	1.058-1	9.157-2	7.078-2	5.397-2
1	16	4.768-1	4.501-1	3.932-1	3.644-1	3.309-1	2.544-1	1.626-1	1.366-1	1.153-1	8.364-2	5.735-2
1	17	1.925-1	1.966-1	1.647-1	1.459-1	1.260-1	8.852-2	5.230-2	4.331-2	3.639-2	2.730-2	2.154-2
1	18	2.379-1	2.482-1	2.101-1	1.857-1	1.595-1	1.098-1	6.159-2	4.938-2	3.972-2	2.609-2	1.543-2
1	19	5.494-1	5.865-1	4.531-1	3.874-1	3.238-1	2.143-1	1.172-1	9.382-2	7.583-2	5.168-2	3.468-2
1	20	6.077-1	6.148-1	4.772-1	4.123-1	3.486-1	2.371-1	1.370-1	1.129-1	9.439-2	7.004-2	5.412-2
1	21	4.584-2	5.153-2	4.877-2	4.445-2	3.923-2	2.870-2	1.813-2	1.530-2	1.292-2	9.134-3	5.387-3
1	22	2.029-1	2.095-1	1.806-1	1.611-1	1.398-1	9.904-2	5.939-2	4.925-2	4.114-2	2.941-2	1.984-2
1	23	3.934-1	3.677-1	2.935-1	2.589-1	2.234-1	1.576-1	9.449-2	7.846-2	6.572-2	4.758-2	3.322-2
1	24	5.712-1	5.366-1	4.434-1	3.996-1	3.525-1	2.597-1	1.670-1	1.436-1	1.255-1	1.017-1	8.727-2
1	25	4.573-1	4.611-1	3.848-1	3.399-1	2.920-1	2.018-1	1.159-1	9.413-2	7.672-2	5.133-2	2.995-2
1	26	2.396-1	1.997-1	1.433-1	1.242-1	1.067-1	7.774-2	5.201-2	4.537-2	3.982-2	3.102-2	2.234-2
1	27	1.173-1	1.128-1	1.012-1	9.259-2	8.235-2	6.196-2	4.283-2	3.833-2	3.501-2	3.117-2	2.994-2
1	28	2.327-2	2.076-2	1.637-2	1.445-2	1.248-2	8.890-3	5.437-3	4.516-3	3.742-3	2.520-3	1.376-3
1	29	1.126-1	1.057-1	8.827-2	7.930-2	6.999-2	5.317-2	3.827-2	3.483-2	3.231-2	2.943-2	2.859-2
1	30	7.537-2	6.920-2	5.509-2	4.802-2	4.078-2	2.792-2	1.640-2	1.355-2	1.127-2	7.966-3	5.208-3
1	31	1.817-1	1.787-1	1.477-1	1.290-1	1.095-1	7.456-2	4.331-2	3.555-2	2.932-2	2.013-2	1.231-2
1	32	1.295-1	1.225-1	1.107-1	1.054-1	9.996-2	9.070-2	8.478-2	8.472-2	8.584-2	9.138-2	1.035-1
1	33	1.557-1	1.532-1	1.270-1	1.120-1	9.661-2	6.985-2	4.727-2	4.220-2	3.852-2	3.432-2	3.307-2
1	34	1.955-1	1.998-1	1.973-1	1.936-1	1.893-1	1.823-1	1.827-1	1.866-1	1.927-1	2.116-1	2.471-1
1	35	2.294-1	2.241-1	1.841-1	1.630-1	1.418-1	1.060-1	7.716-2	7.118-2	6.723-2	6.405-2	6.681-2
1	36	1.549-1	1.412-1	1.050-1	9.246-2	8.173-2	6.606-2	5.529-2	5.342-2	5.246-2	5.273-2	5.627-2
1	37	1.175-0	1.183-0	1.148-0	1.131-0	1.117-0	1.108-0	1.155-0	1.194-0	1.245-0	1.389-0	1.647-0
1	38	4.345-0	4.348-0	4.360-0	4.373-0	4.396-0	4.496-0	4.809-0	4.997-0	5.236-0	5.872-0	6.929-0
1	39	1.207-0	1.213-0	1.219-0	1.223-0	1.229-0	1.257-0	1.342-0	1.394-0	1.459-0	1.634-0	1.937-0
1	40	9.710-3	9.251-3	7.859-3	7.194-3	6.550-3	5.447-3	4.329-3	3.957-3	3.589-3	2.851-3	1.920-3
1	41	6.385-2	6.047-2	5.517-2	5.341-2	5.198-2	5.030-2	5.077-2	5.178-2	5.328-2	5.785-2	6.623-2
1	42	6.219-0	6.272-0	6.335-0	6.368-0	6.415-0	6.582-0	7.071-0	7.362-0	7.728-0	8.693-0	1.033+1
1	43	7.336-1	7.372-1	7.410-1	7.436-1	7.480-1	7.654-1	8.181-1	8.494-1	8.892-1	9.952-1	1.175-0
1	44	5.425-2	5.397-2	5.344-2	5.318-2	5.298-2	5.305-2	5.472-2	5.594-2	5.759-2	6.230-2	7.333-2
1	45	4.510-2	4.363-2	4.079-2	3.959-2	3.845-2	3.667-2	3.540-2	3.518-2	3.512-2	3.553-2	3.688-2
1	46	5.261-2	5.160-2	5.002-2	4.941-2	4.882-2	4.775-2	4.646-2	4.596-2	4.548-2	4.480-2	4.503-2
1	47	7.853-3	7.920-3	7.707-3	7.571-3	7.415-3	7.048-3	6.365-3	6.020-3	5.625-3	4.744-3	3.632-3
1	48	1.863-3	1.863-3	1.852-3	1.844-3	1.832-3	1.794-3	1.694-3	1.638-3	1.568-3	1.392-3	1.097-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
2	3	5.246-1	4.784-1	4.640-1	5.205-1	5.957-1	7.133-1	6.466-1	5.614-1	4.657-1	2.901-1	1.366-1
2	4	6.366-1	6.944-1	8.597-1	9.633-1	1.054-0	1.124-0	9.158-1	7.778-1	6.359-1	3.919-1	1.875-1
2	5	1.366-1	1.225-1	1.243-1	1.279-1	1.313-1	1.317-1	1.037-1	8.735-2	7.097-2	4.333-2	2.033-2
2	6	6.207-1	6.048-1	5.821-1	5.754-1	5.694-1	5.550-1	5.352-1	5.339-1	5.387-1	5.686-1	6.387-1
2	7	3.557-1	3.493-1	3.430-1	3.406-1	3.379-1	3.299-1	3.173-1	3.157-1	3.175-1	3.322-1	3.703-1
2	8	3.461-1	3.481-1	3.503-1	3.530-1	3.571-1	3.642-1	3.691-1	3.735-1	3.814-1	4.100-1	4.665-1
2	9	1.207-1	1.355-1	1.444-1	1.395-1	1.303-1	1.038-1	6.869-2	5.827-2	4.943-2	3.553-2	2.241-2
2	10	2.418-2	2.383-2	2.263-2	2.168-2	2.035-2	1.684-2	1.216-2	1.076-2	9.602-3	7.884-3	6.548-3
2	11	1.001-1	9.304-2	8.190-2	7.625-2	6.969-2	5.494-2	3.705-2	3.179-2	2.730-2	2.019-2	1.365-2
2	12	2.022-1	1.776-1	1.509-1	1.394-1	1.267-1	9.864-2	6.473-2	5.464-2	4.596-2	3.193-2	1.837-2
2	13	2.356-1	2.194-1	1.946-1	1.812-1	1.657-1	1.301-1	8.512-2	7.156-2	5.990-2	4.126-2	2.360-2
2	14	1.559-1	1.741-1	1.804-1	1.728-1	1.608-1	1.276-1	8.244-2	6.865-2	5.685-2	3.829-2	2.136-2
2	15	2.228-1	1.760-1	1.373-1	1.225-1	1.067-1	7.474-2	4.143-2	3.282-2	2.607-2	1.683-2	1.014-2
2	16	1.761-1	1.835-1	1.784-1	1.683-1	1.539-1	1.185-1	7.664-2	6.492-2	5.520-2	4.050-2	2.771-2
2	17	1.056-1	1.068-1	9.832-2	9.136-2	8.276-2	6.357-2	4.155-2	3.522-2	2.980-2	2.105-2	1.246-2
2	18	1.761-1	1.884-1	1.729-1	1.579-1	1.397-1	1.015-1	6.203-2	5.207-2	4.445-2	3.468-2	2.907-2
2	19	1.813-1	1.905-1	1.691-1	1.518-1	1.320-1	9.218-2	5.242-2	4.233-2	3.443-2	2.357-2	1.564-2
2	20	2.870-1	2.664-1	2.046-1	1.772-1	1.499-1	1.008-1	5.549-2	4.439-2	3.582-2	2.430-2	1.622-2
2	21	2.587-2	2.968-2	2.925-2	2.701-2	2.417-2	1.823-2	1.212-2	1.047-2	9.098-3	6.929-3	4.866-3
2	22	3.290-1	2.860-1	2.297-1	2.061-1	1.810-1	1.313-1	8.069-2	6.766-2	5.738-2	4.321-2	3.295-2
2	23	2.159-1	2.260-1	2.144-1	2.005-1	1.815-1	1.365-1	8.635-2	7.342-2	6.350-2	5.090-2	4.391-2
2	24	1.863-1	1.668-1	1.324-1	1.168-1	1.006-1	7.005-2	4.020-2	3.249-2	2.627-2	1.712-2	9.319-3
2	25	1.788-1	1.861-1	1.675-1	1.538-1	1.368-1	9.888-2	5.752-2	4.647-2	3.753-2	2.443-2	1.344-2
2	26	1.994-1	1.673-1	1.247-1	1.098-1	9.554-2	7.092-2	4.786-2	4.164-2	3.633-2	2.756-2	1.859-2
2	27	5.923-2	5.769-2	4.900-2	4.354-2	3.765-2	2.673-2	1.677-2	1.438-2	1.253-2	1.007-2	8.253-3
2	28	1.991-2	1.639-2	1.243-2	1.097-2	9.549-3	7.072-3	4.907-3	4.422-3	4.080-3	3.732-3	3.735-3
2	29	8.351-2	8.247-2	7.279-2	6.577-2	5.778-2	4.201-2	2.622-2	2.196-2	1.837-2	1.271-2	7.355-3
2	30	8.549-2	8.812-2	8.561-2	7.939-2	7.096-2	5.260-2	3.407-2	2.946-2	2.590-2	2.122-2	1.837-2
2	31	1.008-1	1.073-1	9.731-2	8.809-2	7.756-2	5.712-2	3.757-2	3.263-2	2.872-2	2.320-2	1.908-2
2	32	4.037-2	3.633-2	2.832-2	2.467-2	2.097-2	1.434-2	8.229-3	6.680-3	5.429-3	3.574-3	1.990-3
2	33	1.349-1	1.375-1	1.250-1	1.170-1	1.085-1	9.317-2	8.123-2	7.950-2	7.914-2	8.203-2	9.115-2
2	34	9.557-2	9.627-2	8.991-2	8.544-2	8.059-2	7.184-2	6.543-2	6.481-2	6.513-2	6.834-2	7.582-2
2	35	1.212-1	1.164-1	9.488-2	8.408-2	7.335-2	5.499-2	3.947-2	3.593-2	3.334-2	3.036-2	2.949-2
2	36	1.085-1	1.018-1	7.253-2	6.100-2	5.055-2	3.403-2	2.037-2	1.696-2	1.414-2	9.733-3	5.582-3
2	37	4.985-1	4.934-1	4.658-1	4.520-1	4.392-1	4.231-1	4.296-1	4.411-1	4.579-1	5.075-1	5.970-1
2	38	1.050-0	1.019-0	9.775-1	9.671-1	9.612-1	9.668-1	1.021-0	1.058-0	1.106-0	1.235-0	1.451-0
2	39	9.089-1	9.096-1	9.045-1	9.043-1	9.067-1	9.237-1	9.847-1	1.022-0	1.070-0	1.199-0	1.418-0
2	40	1.077-0	1.089-0	1.102-0	1.107-0	1.115-0	1.145-0	1.227-0	1.275-0	1.336-0	1.500-0	1.797-0
2	41	1.711-1	1.645-1	1.567-1	1.547-1	1.534-1	1.538-1	1.613-1	1.666-1	1.735-1	1.926-1	2.246-1
2	42	1.060-1	7.989-2	5.233-2	4.514-2	3.943-2	3.145-2	2.506-2	2.326-2	2.161-2	1.858-2	1.510-2
2	43	3.413-0	3.431-0	3.458-0	3.476-0	3.502-0	3.597-0	3.867-0	4.026-0	4.226-0	4.753-0	5.610-0
2	44	1.073-0	1.079-0	1.090-0	1.097-0	1.106-0	1.136-0	1.221-0	1.270-0	1.332-0	1.495-0	1.759-0
2	45	3.594-1	3.612-1	3.638-1	3.653-1	3.674-1	3.759-1	4.016-1	4.168-1	4.360-1	4.873-1	5.879-1
2	46	2.618-2	2.542-2	2.360-2	2.284-2	2.208-2	2.048-2	1.787-2	1.663-2	1.522-2	1.201-2	7.625-3
2	47	9.646-3	9.744-3	9.479-3	9.329-3	9.178-3	8.891-3	8.480-3	8.293-3	8.095-3	7.719-3	7.442-3
2	48	9.016-5	9.041-5	9.018-5	8.972-5	8.896-5	8.632-5	7.925-5	7.496-5	6.960-5	5.600-5	3.561-5
3	4	3.131-1	2.781-1	3.096-1	3.447-1	3.753-1	3.971-1	3.232-1	2.755-1	2.268-1	1.436-1	7.436-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
3	5	6.854-2	6.734-2	8.040-2	8.751-2	9.359-2	9.781-2	7.848-2	6.611-2	5.349-2	3.201-2	1.442-2
3	6	1.041-1	8.343-2	6.254-2	5.634-2	5.063-2	3.994-2	2.750-2	2.367-2	2.030-2	1.466-2	8.825-3
3	7	3.366-1	3.380-1	3.345-1	3.336-1	3.332-1	3.336-1	3.389-1	3.450-1	3.547-1	3.860-1	4.461-1
3	8	8.269-3	1.004-2	9.846-3	9.231-3	8.465-3	6.729-3	4.584-3	3.931-3	3.362-3	2.417-3	1.449-3
3	9	5.856-2	5.726-2	5.600-2	5.384-2	5.033-2	4.010-2	2.563-2	2.125-2	1.756-2	1.190-2	6.852-3
3	10	9.840-3	1.037-2	1.061-2	1.036-2	9.851-3	8.311-3	6.092-3	5.362-3	4.692-3	3.486-3	2.132-3
3	11	2.802-2	2.879-2	2.866-2	2.767-2	2.604-2	2.150-2	1.533-2	1.340-2	1.169-2	8.799-3	5.809-3
3	12	3.998-2	4.070-2	3.868-2	3.642-2	3.340-2	2.607-2	1.690-2	1.417-2	1.183-2	8.103-3	4.576-3
3	13	4.084-2	4.336-2	4.194-2	3.967-2	3.658-2	2.871-2	1.836-2	1.523-2	1.256-2	8.372-3	4.583-3
3	14	5.109-2	5.802-2	6.107-2	5.883-2	5.500-2	4.426-2	2.944-2	2.484-2	2.084-2	1.439-2	8.214-3
3	15	7.695-2	6.562-2	5.571-2	5.117-2	4.604-2	3.520-2	2.305-2	1.955-2	1.653-2	1.160-2	6.716-3
3	16	3.679-2	4.017-2	3.862-2	3.590-2	3.226-2	2.373-2	1.404-2	1.149-2	9.496-3	6.868-3	5.214-3
3	17	2.978-2	3.135-2	2.922-2	2.711-2	2.439-2	1.814-2	1.102-2	9.056-3	7.444-3	5.022-3	2.896-3
3	18	4.694-2	4.782-2	4.356-2	3.975-2	3.516-2	2.545-2	1.506-2	1.226-2	9.977-3	6.566-3	3.604-3
3	19	8.065-2	7.905-2	6.559-2	5.798-2	4.991-2	3.485-2	2.087-2	1.758-2	1.515-2	1.229-2	1.110-2
3	20	3.925-2	3.633-2	3.101-2	2.786-2	2.416-2	1.637-2	8.326-3	6.290-3	4.716-3	2.619-3	1.177-3
3	21	9.075-3	9.816-3	9.166-3	8.317-3	7.320-3	5.355-3	3.411-3	2.889-3	2.450-3	1.743-3	1.034-3
3	22	1.569-1	1.298-1	1.020-1	9.148-2	8.067-2	5.961-2	3.841-2	3.313-2	2.913-2	2.422-2	2.183-2
3	23	4.888-2	4.766-2	4.223-2	3.852-2	3.432-2	2.585-2	1.689-2	1.436-2	1.218-2	8.620-3	5.054-3
3	24	1.267-2	1.279-2	1.122-2	1.003-2	8.637-3	5.762-3	2.832-3	2.100-3	1.540-3	8.119-4	3.391-4
3	25	5.280-2	5.416-2	4.408-2	3.840-2	3.266-2	2.250-2	1.321-2	1.085-2	8.923-3	6.016-3	3.397-3
3	26	7.952-2	7.183-2	5.904-2	5.286-2	4.632-2	3.397-2	2.189-2	1.862-2	1.585-2	1.131-2	6.700-3
3	27	4.443-2	4.737-2	4.512-2	4.291-2	4.046-2	3.600-2	3.279-2	3.254-2	3.280-2	3.472-2	3.883-2
3	28	4.097-3	3.647-3	2.649-3	2.237-3	1.846-3	1.188-3	6.143-4	4.765-4	3.698-4	2.231-4	1.119-4
3	29	4.589-2	4.335-2	3.645-2	3.283-2	2.904-2	2.204-2	1.551-2	1.391-2	1.267-2	1.108-2	1.022-2
3	30	3.168-2	3.410-2	3.057-2	2.780-2	2.479-2	1.906-2	1.319-2	1.148-2	9.944-3	7.250-3	4.322-3
3	31	2.204-2	2.137-2	1.773-2	1.556-2	1.326-2	8.999-3	5.059-3	4.075-3	3.289-3	2.143-3	1.170-3
3	32	2.003-2	1.678-2	1.223-2	1.067-2	9.253-3	6.924-3	4.922-3	4.435-3	4.052-3	3.519-3	3.138-3
3	33	2.866-2	2.831-2	2.207-2	1.891-2	1.580-2	1.046-2	5.800-3	4.661-3	3.756-3	2.438-3	1.320-3
3	34	1.825-2	1.874-2	1.599-2	1.436-2	1.266-2	9.476-3	6.288-3	5.382-3	4.589-3	3.247-3	1.867-3
3	35	4.648-2	4.349-2	3.505-2	3.116-2	2.734-2	2.081-2	1.537-2	1.421-2	1.342-2	1.277-2	1.315-2
3	36	2.218-2	2.208-2	1.744-2	1.518-2	1.298-2	9.241-3	5.898-3	5.031-3	4.307-3	3.166-3	2.108-3
3	37	1.359-1	1.345-1	1.276-1	1.239-1	1.205-1	1.161-1	1.178-1	1.210-1	1.257-1	1.394-1	1.654-1
3	38	4.542-2	3.461-2	2.210-2	1.833-2	1.517-2	1.060-2	7.014-3	6.093-3	5.297-3	3.947-3	2.508-3
3	39	7.736-1	7.758-1	7.772-1	7.794-1	7.835-1	8.017-1	8.587-1	8.927-1	9.356-1	1.049-0	1.244-0
3	40	5.440-3	4.762-3	3.584-3	3.171-3	2.805-3	2.222-3	1.671-3	1.493-3	1.321-3	9.842-4	5.881-4
3	41	3.156-1	3.163-1	3.171-1	3.180-1	3.198-1	3.273-1	3.506-1	3.645-1	3.821-1	4.290-1	5.068-1
3	42	2.705-2	2.246-2	1.621-2	1.438-2	1.286-2	1.065-2	8.822-3	8.308-3	7.842-3	7.006-3	6.081-3
3	43	6.066-2	4.037-2	2.176-2	1.728-2	1.384-2	9.225-3	5.872-3	5.037-3	4.322-3	3.115-3	1.854-3
3	44	1.476-0	1.487-0	1.504-0	1.514-0	1.527-0	1.572-0	1.692-0	1.762-0	1.849-0	2.081-0	2.530-0
3	45	1.033-2	1.004-2	8.828-3	8.138-3	7.432-3	6.160-3	4.819-3	4.364-3	3.911-3	2.997-3	1.857-3
3	46	1.151-2	1.088-2	9.605-3	9.111-3	8.646-3	7.809-3	6.723-3	6.265-3	5.766-3	4.663-3	3.154-3
3	47	3.747-2	3.795-2	3.832-2	3.849-2	3.875-2	3.974-2	4.254-2	4.417-2	4.623-2	5.179-2	6.144-2
3	48	3.484-4	3.487-4	3.475-4	3.465-4	3.450-4	3.386-4	3.213-4	3.121-4	3.015-4	2.755-4	2.310-4
4	5	6.226-1	5.894-1	6.030-1	6.118-1	6.178-1	6.159-1	5.595-1	5.254-1	4.909-1	4.331-1	3.868-1
4	6	3.255-1	3.225-1	2.910-1	2.741-1	2.552-1	2.135-1	1.612-1	1.459-1	1.336-1	1.168-1	1.069-1
4	7	1.532-1	1.602-1	1.577-1	1.499-1	1.393-1	1.127-1	7.598-2	6.432-2	5.415-2	3.777-2	2.218-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
4	8	4.254-2	4.707-2	4.584-2	4.393-2	4.158-2	3.540-2	2.538-2	2.187-2	1.869-2	1.330-2	7.830-3
4	9	1.599-0	1.625-0	1.662-0	1.674-0	1.678-0	1.656-0	1.622-0	1.630-0	1.658-0	1.774-0	2.006-0
4	10	1.340-2	1.278-2	1.061-2	9.507-3	8.294-3	5.770-3	3.010-3	2.281-3	1.710-3	9.421-4	4.157-4
4	11	5.543-2	5.409-2	4.353-2	3.808-2	3.241-2	2.161-2	1.090-2	8.199-3	6.119-3	3.369-3	1.528-3
4	12	9.187-2	9.083-2	7.412-2	6.478-2	5.493-2	3.625-2	1.809-2	1.358-2	1.011-2	5.563-3	2.538-3
4	13	1.328-1	1.333-1	1.097-1	9.565-2	8.074-2	5.266-2	2.587-2	1.930-2	1.429-2	7.715-3	3.366-3
4	14	1.081-1	1.162-1	1.026-1	9.150-2	7.876-2	5.287-2	2.653-2	1.988-2	1.475-2	7.981-3	3.445-3
4	15	2.087-1	1.956-1	1.676-1	1.526-1	1.357-1	1.002-1	6.105-2	5.022-2	4.127-2	2.771-2	1.573-2
4	16	3.781-1	3.149-1	2.421-1	2.167-1	1.910-1	1.403-1	8.554-2	7.040-2	5.786-2	3.879-2	2.188-2
4	17	1.272-1	1.334-1	1.174-1	1.064-1	9.395-2	6.865-2	4.168-2	3.432-2	2.826-2	1.908-2	1.094-2
4	18	2.472-1	2.437-1	2.274-1	2.140-1	1.963-1	1.545-1	1.038-1	8.870-2	7.558-2	5.384-2	3.180-2
4	19	6.181-1	5.980-1	4.907-1	4.398-1	3.867-1	2.849-1	1.804-1	1.518-1	1.278-1	8.994-2	5.386-2
4	20	4.924-1	5.046-1	4.651-1	4.348-1	3.970-1	3.107-1	2.085-1	1.783-1	1.520-1	1.084-1	6.406-2
4	21	3.958-2	4.413-2	4.190-2	3.788-2	3.300-2	2.295-2	1.264-2	9.948-3	7.800-3	4.740-3	2.345-3
4	22	2.652-1	2.783-1	2.538-1	2.320-1	2.063-1	1.523-1	9.426-2	7.858-2	6.584-2	4.717-2	3.190-2
4	23	3.692-1	3.936-1	3.661-1	3.343-1	2.960-1	2.152-1	1.287-1	1.053-1	8.596-2	5.684-2	3.140-2
4	24	3.741-1	4.013-1	3.883-1	3.607-1	3.250-1	2.451-1	1.545-1	1.289-1	1.073-1	7.353-2	4.245-2
4	25	5.127-1	6.095-1	5.689-1	5.181-1	4.577-1	3.309-1	1.999-1	1.672-1	1.426-1	1.122-1	9.733-2
4	26	2.755-1	3.004-1	2.833-1	2.638-1	2.407-1	1.936-1	1.487-1	1.393-1	1.335-1	1.315-1	1.375-1
4	27	9.756-2	9.559-2	8.209-2	7.498-2	6.747-2	5.311-2	3.884-2	3.512-2	3.212-2	2.780-2	2.415-2
4	28	3.015-2	2.858-2	2.256-2	1.988-2	1.723-2	1.242-2	7.725-3	6.459-3	5.397-3	3.719-3	2.119-3
4	29	3.239-1	2.885-1	2.219-1	1.950-1	1.687-1	1.214-1	7.626-2	6.449-2	5.486-2	4.038-2	2.768-2
4	30	2.125-1	1.869-1	1.440-1	1.271-1	1.106-1	8.116-2	5.302-2	4.561-2	3.951-2	3.025-2	2.211-2
4	31	4.264-1	3.820-1	2.972-1	2.609-1	2.245-1	1.582-1	9.514-2	7.886-2	6.568-2	4.615-2	2.950-2
4	32	1.199-1	1.032-1	7.891-2	7.013-2	6.182-2	4.727-2	3.378-2	3.041-2	2.777-2	2.421-2	2.196-2
4	33	1.443-1	1.462-1	1.326-1	1.219-1	1.094-1	8.379-2	5.709-2	4.984-2	4.381-2	3.449-2	2.617-2
4	34	1.349-1	1.314-1	1.123-1	1.016-1	9.023-2	6.849-2	4.678-2	4.090-2	3.596-2	2.817-2	2.081-2
4	35	2.514-1	2.482-1	2.153-1	1.943-1	1.713-1	1.269-1	8.299-2	7.122-2	6.133-2	4.560-2	3.057-2
4	36	1.979-1	2.066-1	1.867-1	1.713-1	1.535-1	1.186-1	8.624-2	7.896-2	7.395-2	6.950-2	7.172-2
4	37	1.903-1	1.844-1	1.577-1	1.424-1	1.264-1	9.804-2	7.492-2	7.029-2	6.742-2	6.587-2	6.983-2
4	38	2.559-1	2.328-1	1.920-1	1.754-1	1.597-1	1.348-1	1.172-1	1.146-1	1.136-1	1.163-1	1.282-1
4	39	6.610-1	6.504-1	6.239-1	6.137-1	6.055-1	5.996-1	6.218-1	6.407-1	6.665-1	7.391-1	8.671-1
4	40	3.057-2	2.780-2	2.188-2	1.900-2	1.617-2	1.142-2	7.287-3	6.199-3	5.267-3	3.720-3	2.152-3
4	41	3.034-0	3.028-0	3.003-0	3.000-0	3.006-0	3.057-0	3.251-0	3.373-0	3.528-0	3.948-0	4.654-0
4	42	1.595-1	1.552-1	1.223-1	1.055-1	8.942-2	6.318-2	4.177-2	3.663-2	3.252-2	2.643-2	2.123-2
4	43	3.622-1	3.452-1	3.063-1	2.912-1	2.781-1	2.611-1	2.590-1	2.639-1	2.720-1	2.975-1	3.446-1
4	44	1.689-1	1.619-1	1.430-1	1.357-1	1.293-1	1.206-1	1.181-1	1.196-1	1.224-1	1.320-1	1.551-1
4	45	3.063-0	3.030-0	2.969-0	2.956-0	2.954-0	3.000-0	3.200-0	3.327-0	3.488-0	3.920-0	4.703-0
4	46	7.210-0	7.294-0	7.384-0	7.427-0	7.485-0	7.692-0	8.283-0	8.626-0	9.055-0	1.018+1	1.209+1
4	47	7.085-2	7.166-2	7.170-2	7.147-2	7.117-2	7.067-2	7.115-2	7.184-2	7.289-2	7.616-2	8.233-2
4	48	4.458-2	4.458-2	4.431-2	4.411-2	4.384-2	4.292-2	4.055-2	3.923-2	3.764-2	3.364-2	2.698-2
5	6	8.073-2	6.051-2	4.651-2	4.278-2	3.914-2	3.172-2	2.235-2	1.935-2	1.665-2	1.206-2	7.245-3
5	7	5.166-2	5.397-2	5.642-2	5.613-2	5.528-2	5.234-2	4.764-2	4.623-2	4.519-2	4.432-2	4.513-2
5	8	8.822-3	1.020-2	1.133-2	1.131-2	1.107-2	1.011-2	8.286-3	7.551-3	6.808-3	5.308-3	3.391-3
5	9	7.814-2	7.932-2	8.151-2	8.069-2	7.865-2	7.102-2	5.852-2	5.493-2	5.238-2	5.039-2	5.194-2
5	10	2.484-3	2.534-3	2.448-3	2.233-3	1.953-3	1.353-3	7.392-4	5.830-4	4.598-4	2.863-4	1.493-4
5	11	9.987-3	9.158-3	7.908-3	7.041-3	6.043-3	4.064-3	2.137-3	1.659-3	1.288-3	7.837-4	4.135-4

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
5	12	1.620-2	1.482-2	1.229-2	1.079-2	9.145-3	5.991-3	2.991-3	2.258-3	1.697-3	9.510-4	4.345-4
5	13	1.134-2	1.102-2	9.775-3	8.749-3	7.534-3	5.037-3	2.512-3	1.880-3	1.393-3	7.521-4	3.232-4
5	14	1.087-2	1.134-2	1.059-2	9.532-3	8.233-3	5.525-3	2.779-3	2.090-3	1.559-3	8.550-4	3.773-4
5	15	3.791-2	3.447-2	2.476-2	2.089-2	1.722-2	1.100-2	5.520-3	4.202-3	3.189-3	1.827-3	8.569-4
5	16	3.686-2	3.427-2	2.534-2	2.175-2	1.825-2	1.197-2	6.100-3	4.651-3	3.531-3	2.029-3	9.784-4
5	17	2.650-2	2.333-2	1.687-2	1.439-2	1.198-2	7.770-3	4.004-3	3.108-3	2.430-3	1.553-3	9.944-4
5	18	7.470-2	5.137-2	3.274-2	2.751-2	2.282-2	1.497-2	7.916-3	6.172-3	4.807-3	2.910-3	1.462-3
5	19	5.000-2	4.155-2	3.405-2	3.076-2	2.710-2	1.957-2	1.153-2	9.373-3	7.628-3	5.091-3	3.021-3
5	20	3.278-2	3.467-2	3.439-2	3.261-2	2.995-2	2.325-2	1.496-2	1.252-2	1.045-2	7.165-3	4.078-3
5	21	8.807-4	1.034-3	1.078-3	9.947-4	8.729-4	5.934-4	2.969-4	2.220-4	1.644-4	8.860-5	3.818-5
5	22	1.854-2	1.739-2	1.434-2	1.259-2	1.073-2	7.159-3	3.668-3	2.802-3	2.140-3	1.282-3	7.392-4
5	23	1.567-2	1.625-2	1.410-2	1.241-2	1.054-2	6.930-3	3.432-3	2.567-3	1.904-3	1.031-3	4.461-4
5	24	9.431-3	9.702-3	8.324-3	7.376-3	6.326-3	4.234-3	2.113-3	1.578-3	1.165-3	6.209-4	2.607-4
5	25	2.446-2	2.358-2	1.844-2	1.603-2	1.355-2	8.910-3	4.433-3	3.327-3	2.478-3	1.359-3	6.044-4
5	26	4.953-2	4.932-2	4.027-2	3.581-2	3.117-2	2.221-2	1.297-2	1.047-2	8.417-3	5.358-3	2.775-3
5	27	1.564-2	1.382-2	1.208-2	1.119-2	1.013-2	7.781-3	5.135-3	4.407-3	3.814-3	2.951-3	2.267-3
5	28	1.477-2	1.411-2	1.530-2	1.487-2	1.394-2	1.142-2	8.285-3	7.308-3	6.415-3	4.798-3	2.952-3
5	29	4.177-2	4.741-2	5.465-2	5.362-2	5.066-2	4.162-2	2.935-2	2.550-2	2.208-2	1.630-2	1.036-2
5	30	2.150-2	2.500-2	2.865-2	2.784-2	2.599-2	2.076-2	1.401-2	1.196-2	1.016-2	7.180-3	4.183-3
5	31	5.314-2	6.678-2	7.879-2	7.753-2	7.361-2	6.154-2	4.476-2	3.927-2	3.422-2	2.519-2	1.524-2
5	32	3.109-2	3.723-2	4.527-2	4.442-2	4.180-2	3.423-2	2.472-2	2.180-2	1.916-2	1.448-2	9.279-3
5	33	2.023-2	2.395-2	2.690-2	2.584-2	2.390-2	1.878-2	1.241-2	1.051-2	8.857-3	6.143-3	3.485-3
5	34	5.339-2	8.415-2	1.006-1	9.555-2	8.725-2	6.794-2	4.651-2	4.030-2	3.483-2	2.545-2	1.537-2
5	35	3.369-2	4.107-2	4.126-2	3.811-2	3.407-2	2.528-2	1.558-2	1.285-2	1.057-2	7.000-3	3.771-3
5	36	1.460-1	1.267-1	1.063-1	9.850-2	8.951-2	6.968-2	4.847-2	4.333-2	3.967-2	3.607-2	3.632-2
5	37	1.007-2	9.865-3	8.928-3	8.259-3	7.514-3	6.122-3	4.933-3	4.692-3	4.543-3	4.467-3	4.673-3
5	38	2.102-2	1.912-2	1.482-2	1.276-2	1.062-2	6.759-3	3.322-3	2.510-3	1.891-3	1.069-3	4.957-4
5	39	2.652-2	2.637-2	2.162-2	1.911-2	1.644-2	1.142-2	6.718-3	5.557-3	4.647-3	3.382-3	2.424-3
5	40	5.823-3	6.189-3	5.811-3	5.345-3	4.760-3	3.535-3	2.266-3	1.914-3	1.612-3	1.118-3	6.335-4
5	41	2.239-1	2.068-1	1.912-1	1.863-1	1.819-1	1.761-1	1.782-1	1.823-1	1.885-1	2.069-1	2.402-1
5	42	5.228-2	4.182-2	3.144-2	2.719-2	2.286-2	1.510-2	8.176-3	6.490-3	5.162-3	3.274-3	1.772-3
5	43	3.519-2	3.799-2	3.379-2	2.985-2	2.533-2	1.673-2	8.892-3	6.991-3	5.503-3	3.405-3	1.751-3
5	44	3.039-2	3.232-2	3.123-2	2.969-2	2.790-2	2.463-2	2.236-2	2.218-2	2.235-2	2.359-2	2.723-2
5	45	1.894-1	1.506-1	1.114-1	9.478-2	7.821-2	4.978-2	2.592-2	2.039-2	1.616-2	1.036-2	5.853-3
5	46	1.517-1	1.338-1	9.426-2	7.846-2	6.446-2	4.366-2	2.867-2	2.558-2	2.338-2	2.082-2	1.897-2
5	47	2.197-0	2.220-0	2.248-0	2.262-0	2.283-0	2.352-0	2.536-0	2.641-0	2.773-0	3.120-0	3.717-0
5	48	3.922-3	3.919-3	3.894-3	3.881-3	3.863-3	3.794-3	3.598-3	3.494-3	3.372-3	3.074-3	2.563-3
6	7	3.545-1	3.515-1	3.428-1	3.378-1	3.322-1	3.194-1	2.985-1	2.896-1	2.803-1	2.613-1	2.373-1
6	8	1.139-1	1.141-1	1.131-1	1.142-1	1.165-1	1.194-1	1.135-1	1.099-1	1.064-1	1.006-1	9.470-2
6	9	8.704-2	8.769-2	8.269-2	8.086-2	7.861-2	7.119-2	5.615-2	4.998-2	4.388-2	3.243-2	2.000-2
6	10	3.241-3	3.059-3	2.557-3	2.286-3	2.004-3	1.476-3	9.504-4	8.130-4	7.031-4	5.465-4	4.223-4
6	11	1.878-2	1.521-2	1.084-2	9.277-3	7.829-3	5.402-3	3.202-3	2.644-3	2.199-3	1.560-3	1.050-3
6	12	3.435-2	2.986-2	2.264-2	1.951-2	1.649-2	1.130-2	6.537-3	5.319-3	4.337-3	2.900-3	1.703-3
6	13	4.835-2	4.200-2	3.250-2	2.824-2	2.406-2	1.678-2	1.002-2	8.246-3	6.786-3	4.570-3	2.639-3
6	14	3.824-2	4.015-2	3.545-2	3.173-2	2.773-2	2.027-2	1.290-2	1.087-2	9.152-3	6.431-3	3.906-3
6	15	5.590-2	4.368-2	3.182-2	2.805-2	2.454-2	1.832-2	1.211-2	1.042-2	9.013-3	6.906-3	5.164-3
6	16	5.880-2	4.856-2	3.777-2	3.442-2	3.131-2	2.565-2	1.945-2	1.760-2	1.601-2	1.348-2	1.124-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
6	17	1.570-2	1.402-2	1.084-2	9.576-3	8.388-3	6.253-3	3.984-3	3.334-3	2.786-3	1.948-3	1.228-3
6	18	2.559-2	2.162-2	1.642-2	1.488-2	1.359-2	1.105-2	7.421-3	6.210-3	5.144-3	3.448-3	1.969-3
6	19	3.238-2	3.180-2	2.565-2	2.332-2	2.127-2	1.739-2	1.242-2	1.082-2	9.416-3	7.175-3	5.182-3
6	20	4.941-2	5.118-2	4.571-2	4.329-2	4.108-2	3.667-2	3.074-2	2.878-2	2.704-2	2.423-2	2.164-2
6	21	3.821-3	3.917-3	3.562-3	3.288-3	2.986-3	2.358-3	1.591-3	1.351-3	1.139-3	7.902-4	4.569-4
6	22	1.791-2	1.610-2	1.347-2	1.277-2	1.214-2	1.047-2	7.547-3	6.487-3	5.508-3	3.836-3	2.231-3
6	23	1.991-2	1.908-2	1.657-2	1.580-2	1.504-2	1.291-2	9.182-3	7.857-3	6.649-3	4.635-3	2.777-3
6	24	2.792-2	2.612-2	2.170-2	2.017-2	1.875-2	1.574-2	1.142-2	9.906-3	8.496-3	6.052-3	3.680-3
6	25	2.230-2	2.334-2	2.185-2	2.125-2	2.051-2	1.788-2	1.305-2	1.131-2	9.700-3	6.913-3	4.119-3
6	26	1.380-2	1.141-2	8.918-3	8.426-3	7.985-3	6.774-3	4.732-3	4.022-3	3.377-3	2.292-3	1.253-3
6	27	7.022-3	6.218-3	5.777-3	5.722-3	5.587-3	4.980-3	3.870-3	3.475-3	3.110-3	2.484-3	1.870-3
6	28	2.417-3	2.118-3	1.930-3	1.902-3	1.861-3	1.706-3	1.459-3	1.385-3	1.325-3	1.248-3	1.205-3
6	29	8.409-3	8.129-3	8.027-3	7.948-3	7.749-3	6.966-3	5.530-3	4.980-3	4.444-3	3.448-3	2.379-3
6	30	5.542-3	5.524-3	5.529-3	5.491-3	5.359-3	4.782-3	3.707-3	3.302-3	2.913-3	2.208-3	1.480-3
6	31	1.725-2	1.750-2	1.821-2	1.811-2	1.771-2	1.632-2	1.445-2	1.391-2	1.349-2	1.291-2	1.249-2
6	32	5.953-3	5.574-3	5.297-3	5.249-3	5.144-3	4.707-3	3.973-3	3.738-3	3.540-3	3.251-3	3.028-3
6	33	8.733-3	9.027-3	1.016-2	1.033-2	1.017-2	9.100-3	7.366-3	6.828-3	6.373-3	5.687-3	5.140-3
6	34	6.074-3	6.261-3	6.160-3	6.054-3	5.868-3	5.250-3	4.304-3	4.008-3	3.758-3	3.379-3	3.052-3
6	35	1.238-2	1.370-2	1.538-2	1.515-2	1.447-2	1.250-2	1.009-2	9.413-3	8.864-3	8.089-3	7.551-3
6	36	7.007-3	6.946-3	7.120-3	6.988-3	6.681-3	5.737-3	4.380-3	3.916-3	3.482-3	2.708-3	1.911-3
6	37	1.341-2	1.486-2	1.611-2	1.559-2	1.463-2	1.217-2	9.116-3	8.121-3	7.188-3	5.488-3	3.604-3
6	38	7.551-2	8.798-2	7.720-2	6.921-2	6.122-2	4.769-2	3.562-2	3.233-2	2.943-2	2.441-2	1.877-2
6	39	3.087-2	3.124-2	2.540-2	2.263-2	2.002-2	1.568-2	1.166-2	1.053-2	9.546-3	7.868-3	6.060-3
6	40	1.182-2	1.044-2	7.993-3	7.100-3	6.320-3	5.142-3	4.176-3	3.916-3	3.684-3	3.269-3	2.826-3
6	41	1.750-2	1.754-2	1.462-2	1.320-2	1.178-2	9.044-3	6.052-3	5.196-3	4.473-3	3.351-3	2.329-3
6	42	5.833-2	5.399-2	4.770-2	4.559-2	4.367-2	4.030-2	3.613-2	3.446-2	3.269-2	2.889-2	2.370-2
6	43	3.175-2	2.802-2	2.386-2	2.258-2	2.143-2	1.951-2	1.730-2	1.646-2	1.559-2	1.378-2	1.137-2
6	44	1.285-2	1.234-2	1.146-2	1.108-2	1.067-2	9.846-3	8.648-3	8.147-3	7.614-3	6.488-3	5.033-3
6	45	1.494-2	1.353-2	1.131-2	1.047-2	9.694-3	8.340-3	6.816-3	6.270-3	5.725-3	4.666-3	3.444-3
6	46	2.231-2	2.145-2	2.009-2	1.950-2	1.887-2	1.743-2	1.491-2	1.373-2	1.244-2	9.655-3	6.134-3
6	47	8.890-3	8.964-3	8.693-3	8.451-3	8.125-3	7.285-3	5.941-3	5.379-3	4.792-3	3.593-3	2.154-3
6	48	1.510-2	1.510-2	1.500-2	1.493-2	1.484-2	1.455-2	1.362-2	1.301-2	1.221-2	1.008-2	6.705-3
7	8	7.055-2	6.978-2	6.816-2	6.797-2	6.806-2	6.674-2	5.836-2	5.369-2	4.852-2	3.747-2	2.347-2
7	9	6.537-2	6.740-2	6.552-2	6.500-2	6.416-2	5.971-2	4.771-2	4.248-2	3.735-2	2.803-2	1.830-2
7	10	8.955-3	6.571-3	4.364-3	3.685-3	3.088-3	2.134-3	1.284-3	1.060-3	8.738-4	5.852-4	3.235-4
7	11	2.332-2	1.758-2	1.195-2	1.013-2	8.500-3	5.861-3	3.501-3	2.885-3	2.376-3	1.602-3	9.249-4
7	12	2.123-2	1.809-2	1.382-2	1.202-2	1.028-2	7.216-3	4.298-3	3.518-3	2.873-3	1.890-3	1.031-3
7	13	1.590-2	1.599-2	1.352-2	1.195-2	1.031-2	7.276-3	4.312-3	3.521-3	2.870-3	1.889-3	1.045-3
7	14	1.210-2	1.292-2	1.156-2	1.039-2	9.106-3	6.620-3	4.061-3	3.353-3	2.760-3	1.843-3	1.023-3
7	15	2.948-2	2.426-2	1.912-2	1.750-2	1.596-2	1.312-2	9.991-3	9.050-3	8.230-3	6.900-3	5.666-3
7	16	1.700-2	1.526-2	1.225-2	1.110-2	9.956-3	7.699-3	5.031-3	4.222-3	3.521-3	2.408-3	1.401-3
7	17	2.235-2	1.855-2	1.350-2	1.194-2	1.062-2	8.481-3	6.421-3	5.840-3	5.345-3	4.571-3	3.895-3
7	18	1.513-2	1.371-2	1.134-2	1.051-2	9.747-3	8.268-3	6.338-3	5.708-3	5.149-3	4.240-3	3.390-3
7	19	2.679-2	2.613-2	2.321-2	2.205-2	2.096-2	1.883-2	1.606-2	1.515-2	1.435-2	1.307-2	1.190-2
7	20	1.760-2	1.672-2	1.308-2	1.176-2	1.058-2	8.360-3	5.575-3	4.685-3	3.902-3	2.645-3	1.531-3
7	21	2.764-3	2.757-3	2.402-3	2.239-3	2.082-3	1.715-3	1.142-3	9.491-4	7.789-4	5.073-4	2.656-4
7	22	1.164-2	1.077-2	8.805-3	8.210-3	7.676-3	6.407-3	4.388-3	3.705-3	3.104-3	2.163-3	1.397-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
7	23	1.410-2	1.343-2	1.144-2	1.068-2	9.959-3	8.427-3	6.207-3	5.410-3	4.656-3	3.301-3	1.886-3
7	24	1.386-2	1.307-2	1.087-2	1.019-2	9.582-3	8.180-3	5.881-3	5.060-3	4.307-3	3.045-3	1.896-3
7	25	1.448-2	1.685-2	1.504-2	1.375-2	1.243-2	9.796-3	6.654-3	5.669-3	4.788-3	3.304-3	1.854-3
7	26	7.999-3	6.700-3	5.379-3	5.123-3	4.886-3	4.175-3	2.909-3	2.464-3	2.061-3	1.389-3	7.517-4
7	27	6.243-3	5.805-3	5.611-3	5.602-3	5.529-3	5.128-3	4.403-3	4.171-3	3.975-3	3.693-3	3.430-3
7	28	1.854-3	1.481-3	1.188-3	1.127-3	1.060-3	8.609-4	5.530-4	4.549-4	3.705-4	2.388-4	1.246-4
7	29	1.089-2	1.084-2	1.098-2	1.100-2	1.093-2	1.048-2	9.660-3	9.407-3	9.206-3	8.962-3	8.848-3
7	30	4.071-3	4.147-3	4.216-3	4.218-3	4.155-3	3.784-3	3.032-3	2.748-3	2.479-3	1.996-3	1.494-3
7	31	7.538-3	7.855-3	8.341-3	8.255-3	7.962-3	6.914-3	5.193-3	4.566-3	3.965-3	2.865-3	1.696-3
7	32	4.110-3	3.821-3	3.605-3	3.617-3	3.575-3	3.173-3	2.333-3	2.054-3	1.815-3	1.458-3	1.172-3
7	33	5.058-3	5.198-3	5.871-3	5.921-3	5.747-3	4.896-3	3.550-3	3.127-3	2.764-3	2.200-3	1.719-3
7	34	5.492-3	5.576-3	5.404-3	5.337-3	5.232-3	4.851-3	4.229-3	4.040-3	3.891-3	3.700-3	3.573-3
7	35	7.877-3	9.101-3	1.072-2	1.057-2	1.004-2	8.430-3	6.363-3	5.750-3	5.226-3	4.409-3	3.697-3
7	36	6.562-3	6.391-3	6.431-3	6.352-3	6.140-3	5.402-3	4.221-3	3.794-3	3.384-3	2.636-3	1.835-3
7	37	8.547-3	9.995-3	1.182-2	1.154-2	1.076-2	8.572-3	5.915-3	5.117-3	4.411-3	3.224-3	2.030-3
7	38	2.088-2	2.526-2	2.332-2	2.113-2	1.881-2	1.475-2	1.105-2	1.004-2	9.154-3	7.635-3	5.967-3
7	39	2.790-2	2.968-2	2.662-2	2.452-2	2.231-2	1.814-2	1.376-2	1.246-2	1.130-2	9.268-3	6.959-3
7	40	5.948-3	5.947-3	4.977-3	4.416-3	3.859-3	2.912-3	2.052-3	1.814-3	1.605-3	1.247-3	8.608-4
7	41	1.992-2	2.213-2	2.070-2	1.929-2	1.767-2	1.406-2	9.620-3	8.306-3	7.197-3	5.492-3	3.965-3
7	42	3.023-2	2.601-2	2.116-2	1.968-2	1.839-2	1.633-2	1.422-2	1.349-2	1.276-2	1.129-2	9.381-3
7	43	1.888-2	1.762-2	1.522-2	1.426-2	1.335-2	1.174-2	9.878-3	9.193-3	8.493-3	7.058-3	5.211-3
7	44	1.519-2	1.508-2	1.440-2	1.402-2	1.362-2	1.284-2	1.191-2	1.157-2	1.122-2	1.049-2	9.572-3
7	45	1.298-2	1.147-2	9.336-3	8.529-3	7.770-3	6.446-3	4.980-3	4.464-3	3.956-3	2.984-3	1.896-3
7	46	1.753-2	1.649-2	1.505-2	1.450-2	1.394-2	1.275-2	1.077-2	9.873-3	8.892-3	6.794-3	4.156-3
7	47	9.844-3	9.872-3	9.454-3	9.143-3	8.714-3	7.614-3	6.006-3	5.401-3	4.798-3	3.626-3	2.268-3
7	48	2.772-2	2.782-2	2.794-2	2.802-2	2.813-2	2.850-2	2.933-2	2.975-2	3.025-2	3.160-2	3.404-2
8	9	2.025-2	2.009-2	1.837-2	1.758-2	1.673-2	1.479-2	1.172-2	1.049-2	9.248-3	6.848-3	4.095-3
8	10	9.395-4	9.664-4	8.820-4	8.065-4	7.204-4	5.436-4	3.457-4	2.878-4	2.382-4	1.598-4	8.980-5
8	11	3.004-3	2.891-3	2.500-3	2.272-3	2.024-3	1.531-3	9.929-4	8.346-4	6.969-4	4.726-4	2.605-4
8	12	4.130-3	3.929-3	3.531-3	3.301-3	3.019-3	2.366-3	1.571-3	1.333-3	1.128-3	8.006-4	4.952-4
8	13	4.397-3	4.203-3	3.669-3	3.341-3	2.973-3	2.225-3	1.412-3	1.179-3	9.812-4	6.669-4	3.745-4
8	14	2.326-3	2.304-3	1.882-3	1.646-3	1.405-3	9.580-4	5.166-4	4.022-4	3.115-4	1.855-4	9.329-5
8	15	4.800-3	4.196-3	3.073-3	2.665-3	2.293-3	1.649-3	9.930-4	8.131-4	6.665-4	4.551-4	2.907-4
8	16	4.978-3	4.672-3	3.932-3	3.618-3	3.304-3	2.675-3	1.894-3	1.636-3	1.400-3	9.889-4	5.673-4
8	17	6.772-3	5.665-3	3.938-3	3.392-3	2.922-3	2.164-3	1.420-3	1.200-3	1.006-3	6.858-4	3.778-4
8	18	1.192-2	1.108-2	1.001-2	9.630-3	9.275-3	8.596-3	7.766-3	7.502-3	7.271-3	6.908-3	6.585-3
8	19	4.604-3	4.111-3	3.428-3	3.160-3	2.890-3	2.298-3	1.493-3	1.237-3	1.015-3	6.652-4	3.550-4
8	20	4.798-3	4.978-3	4.372-3	3.948-3	3.508-3	2.666-3	1.733-3	1.454-3	1.212-3	8.231-4	4.745-4
8	21	1.671-3	1.619-3	1.211-3	1.075-3	9.627-4	7.547-4	4.782-4	3.903-4	3.149-4	1.993-4	1.022-4
8	22	5.266-3	4.939-3	4.206-3	3.922-3	3.631-3	2.987-3	2.097-3	1.798-3	1.525-3	1.056-3	5.900-4
8	23	5.377-3	5.475-3	4.753-3	4.455-3	4.133-3	3.282-3	1.999-3	1.602-3	1.276-3	8.240-4	5.453-4
8	24	4.532-3	4.829-3	4.151-3	3.774-3	3.416-3	2.759-3	1.984-3	1.726-3	1.485-3	1.055-3	6.024-4
8	25	3.312-3	3.129-3	2.929-3	2.860-3	2.756-3	2.386-3	1.726-3	1.489-3	1.269-3	8.862-4	5.005-4
8	26	5.656-3	3.935-3	2.544-3	2.290-3	2.101-3	1.711-3	1.135-3	9.456-4	7.803-4	5.187-4	2.892-4
8	27	1.195-3	9.374-4	7.630-4	7.304-4	6.880-4	5.458-4	3.230-4	2.551-4	1.991-4	1.183-4	5.695-5
8	28	9.144-4	6.669-4	5.480-4	5.611-4	5.679-4	4.959-4	3.036-4	2.391-4	1.853-4	1.085-4	5.208-5
8	29	1.951-3	1.971-3	2.057-3	2.067-3	2.034-3	1.824-3	1.385-3	1.216-3	1.052-3	7.507-4	4.285-4

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
8	30	5.807-3	5.842-3	5.944-3	5.970-3	5.969-3	5.885-3	5.746-3	5.727-3	5.734-3	5.817-3	5.982-3
8	31	2.592-3	2.905-3	3.170-3	3.111-3	2.967-3	2.515-3	1.833-3	1.597-3	1.378-3	9.939-4	6.155-4
8	32	1.163-3	1.077-3	9.798-4	9.627-4	9.287-4	7.712-4	4.879-4	3.960-4	3.175-4	1.982-4	9.958-5
8	33	1.916-3	2.055-3	2.389-3	2.421-3	2.363-3	2.037-3	1.481-3	1.295-3	1.127-3	8.478-4	5.844-4
8	34	1.963-3	2.015-3	1.947-3	1.934-3	1.908-3	1.768-3	1.488-3	1.394-3	1.313-3	1.191-3	1.092-3
8	35	1.859-3	1.776-3	1.651-3	1.623-3	1.578-3	1.397-3	1.047-3	9.109-4	7.798-4	5.408-4	2.954-4
8	36	2.474-3	2.435-3	2.419-3	2.385-3	2.305-3	2.021-3	1.543-3	1.360-3	1.181-3	8.432-4	4.764-4
8	37	2.794-3	3.131-3	3.715-3	3.665-3	3.445-3	2.759-3	1.883-3	1.618-3	1.383-3	9.923-4	6.065-4
8	38	5.197-3	6.191-3	5.918-3	5.444-3	4.921-3	3.972-3	3.073-3	2.815-3	2.583-3	2.168-3	1.698-3
8	39	4.300-3	4.689-3	4.196-3	3.773-3	3.321-3	2.491-3	1.696-3	1.481-3	1.300-3	1.009-3	7.141-4
8	40	5.935-3	6.608-3	6.323-3	5.917-3	5.462-3	4.600-3	3.718-3	3.449-3	3.198-3	2.725-3	2.107-3
8	41	2.929-3	3.626-3	3.583-3	3.333-3	3.028-3	2.373-3	1.607-3	1.375-3	1.172-3	8.360-4	5.043-4
8	42	3.472-3	3.454-3	2.980-3	2.723-3	2.462-3	1.993-3	1.492-3	1.325-3	1.164-3	8.595-4	5.119-4
8	43	1.189-2	1.100-2	9.700-3	9.261-3	8.871-3	8.244-3	7.638-3	7.439-3	7.240-3	6.819-3	6.175-3
8	44	3.952-3	3.828-3	3.454-3	3.252-3	3.047-3	2.663-3	2.214-3	2.050-3	1.885-3	1.546-3	1.113-3
8	45	5.360-3	4.864-3	4.139-3	3.843-3	3.557-3	3.043-3	2.460-3	2.253-3	2.048-3	1.652-3	1.202-3
8	46	6.981-3	6.469-3	5.823-3	5.592-3	5.363-3	4.885-3	4.116-3	3.769-3	3.392-3	2.585-3	1.572-3
8	47	2.984-3	3.004-3	2.925-3	2.856-3	2.763-3	2.520-3	2.100-3	1.914-3	1.713-3	1.293-3	7.782-4
8	48	2.935-3	2.935-3	2.917-3	2.904-3	2.887-3	2.832-3	2.655-3	2.536-3	2.381-3	1.969-3	1.311-3
9	10	3.926-3	3.943-3	3.390-3	2.981-3	2.527-3	1.656-3	8.189-4	6.125-4	4.541-4	2.453-4	1.054-4
9	11	1.458-2	1.420-2	1.157-2	1.004-2	8.443-3	5.505-3	2.724-3	2.036-3	1.506-3	8.088-4	3.467-4
9	12	1.945-2	1.924-2	1.584-2	1.375-2	1.154-2	7.465-3	3.649-3	2.717-3	2.006-3	1.077-3	4.630-4
9	13	2.385-2	2.328-2	1.846-2	1.588-2	1.324-2	8.505-3	4.157-3	3.101-3	2.296-3	1.240-3	5.397-4
9	14	1.541-2	1.680-2	1.490-2	1.317-2	1.125-2	7.516-3	3.805-3	2.864-3	2.134-3	1.161-3	5.026-4
9	15	6.488-2	5.674-2	4.433-2	3.939-2	3.461-2	2.599-2	1.713-2	1.461-2	1.246-2	9.047-3	5.913-3
9	16	4.871-2	4.629-2	3.802-2	3.443-2	3.092-2	2.422-2	1.631-2	1.385-2	1.166-2	8.061-3	4.588-3
9	17	3.874-2	3.467-2	2.566-2	2.224-2	1.909-2	1.374-2	8.448-3	6.974-3	5.733-3	3.813-3	2.104-3
9	18	5.893-2	5.539-2	4.881-2	4.507-2	4.094-2	3.237-2	2.210-2	1.889-2	1.602-2	1.117-2	6.360-3
9	19	7.760-2	7.393-2	6.154-2	5.592-2	5.048-2	4.042-2	2.888-2	2.513-2	2.166-2	1.550-2	8.988-3
9	20	7.547-2	7.450-2	6.450-2	5.959-2	5.472-2	4.547-2	3.418-2	3.024-2	2.645-2	1.935-2	1.141-2
9	21	1.804-2	1.740-2	1.375-2	1.192-2	1.014-2	7.037-3	3.986-3	3.161-3	2.486-3	1.502-3	7.298-4
9	22	5.443-2	4.891-2	3.639-2	3.263-2	2.952-2	2.398-2	1.709-2	1.481-2	1.274-2	9.189-3	5.650-3
9	23	4.808-2	4.380-2	3.508-2	3.219-2	2.963-2	2.467-2	1.802-2	1.570-2	1.352-2	9.599-3	5.478-3
9	24	4.909-2	4.368-2	3.443-2	3.153-2	2.903-2	2.439-2	1.822-2	1.601-2	1.389-2	9.980-3	5.753-3
9	25	5.065-2	4.561-2	3.542-2	3.254-2	2.977-2	2.332-2	1.442-2	1.174-2	9.519-3	6.395-3	4.359-3
9	26	9.106-2	8.872-2	8.478-2	8.362-2	8.243-2	7.940-2	7.478-2	7.328-2	7.203-2	7.029-2	7.122-2
9	27	1.837-2	1.627-2	1.629-2	1.645-2	1.612-2	1.378-2	9.201-3	7.620-3	6.228-3	4.026-3	2.109-3
9	28	7.480-3	6.374-3	5.242-3	4.953-3	4.690-3	4.130-3	3.272-3	2.933-3	2.589-3	1.913-3	1.131-3
9	29	1.245-2	1.184-2	1.104-2	1.064-2	1.010-2	8.546-3	6.082-3	5.228-3	4.443-3	3.092-3	1.741-3
9	30	9.673-3	9.573-3	9.199-3	9.032-3	8.748-3	7.742-3	5.978-3	5.336-3	4.731-3	3.659-3	2.565-3
9	31	1.640-2	1.692-2	1.551-2	1.450-2	1.336-2	1.079-2	7.444-3	6.355-3	5.369-3	3.700-3	2.089-3
9	32	1.978-2	1.906-2	1.952-2	1.958-2	1.922-2	1.710-2	1.271-2	1.104-2	9.462-3	6.672-3	3.813-3
9	33	1.379-2	1.319-2	1.299-2	1.291-2	1.255-2	1.099-2	8.206-3	7.202-3	6.259-3	4.587-3	2.876-3
9	34	2.072-2	2.088-2	2.024-2	1.974-2	1.911-2	1.740-2	1.436-2	1.308-2	1.176-2	9.105-3	5.965-3
9	35	1.718-2	1.738-2	1.740-2	1.705-2	1.640-2	1.436-2	1.113-2	9.964-3	8.858-3	6.867-3	4.819-3
9	36	4.006-2	3.727-2	3.423-2	3.303-2	3.172-2	2.907-2	2.650-2	2.597-2	2.566-2	2.562-2	2.615-2
9	37	1.182-2	1.397-2	1.660-2	1.606-2	1.478-2	1.136-2	7.327-3	6.150-3	5.127-3	3.457-3	1.878-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
9	38	3.375-2	3.882-2	3.503-2	3.142-2	2.757-2	2.049-2	1.343-2	1.140-2	9.623-3	6.663-3	3.761-3
9	39	1.317-1	1.668-1	1.988-1	2.003-1	1.947-1	1.620-1	1.002-1	8.022-2	6.355-2	3.951-2	2.135-2
9	40	6.322-3	6.985-3	6.151-3	5.504-3	4.827-3	3.583-3	2.326-3	1.963-3	1.645-3	1.120-3	6.171-4
9	41	2.359-1	3.772-1	4.977-1	5.061-1	4.938-1	4.101-1	2.519-1	2.013-1	1.593-1	9.914-2	5.385-2
9	42	8.056-2	5.631-2	3.440-2	2.884-2	2.439-2	1.799-2	1.254-2	1.093-2	9.453-3	6.786-3	3.928-3
9	43	3.100-2	2.747-2	2.152-2	1.945-2	1.760-2	1.457-2	1.157-2	1.060-2	9.677-3	7.937-3	5.947-3
9	44	4.588-2	4.823-2	4.210-2	3.924-2	3.604-2	2.825-2	1.768-2	1.448-2	1.179-2	7.759-3	4.398-3
9	45	7.718-2	6.092-2	4.558-2	4.115-2	3.739-2	3.185-2	2.762-2	2.665-2	2.589-2	2.477-2	2.339-2
9	46	3.999-2	4.036-2	3.845-2	3.752-2	3.663-2	3.500-2	3.295-2	3.212-2	3.122-2	2.920-2	2.551-2
9	47	2.039-1	2.049-1	1.820-1	1.679-1	1.495-1	1.059-1	5.690-2	4.416-2	3.422-2	2.074-2	1.104-2
9	48	1.707-0	1.716-0	1.733-0	1.743-0	1.757-0	1.804-0	1.918-0	1.984-0	2.067-0	2.289-0	2.677-0
10	11	2.361-1	2.345-1	2.278-1	2.245-1	2.208-1	2.087-1	1.795-1	1.651-1	1.492-1	1.150-1	7.139-2
10	12	7.615-2	7.796-2	7.767-2	7.816-2	7.880-2	7.790-2	7.232-2	7.012-2	6.821-2	6.555-2	6.358-2
10	13	3.138-2	3.232-2	3.146-2	3.191-2	3.259-2	3.189-2	2.558-2	2.256-2	1.952-2	1.383-2	7.778-3
10	14	2.567-2	2.856-2	2.947-2	2.974-2	3.016-2	2.944-2	2.402-2	2.141-2	1.881-2	1.405-2	9.338-3
10	15	2.549-2	2.248-2	1.932-2	1.880-2	1.838-2	1.690-2	1.349-2	1.205-2	1.059-2	7.780-3	4.659-3
10	16	1.342-2	1.235-2	1.132-2	1.132-2	1.134-2	1.081-2	8.796-3	7.867-3	6.914-3	5.050-3	2.937-3
10	17	2.384-2	2.118-2	1.907-2	1.911-2	1.917-2	1.800-2	1.416-2	1.252-2	1.091-2	7.887-3	4.576-3
10	18	2.457-2	2.515-2	2.426-2	2.347-2	2.254-2	2.039-2	1.702-2	1.563-2	1.416-2	1.114-2	7.413-3
10	19	1.250-2	1.277-2	1.210-2	1.164-2	1.111-2	9.881-3	8.027-3	7.282-3	6.514-3	4.951-3	3.039-3
10	20	2.301-3	2.420-3	2.016-3	1.776-3	1.520-3	1.027-3	5.346-4	4.094-4	3.117-4	1.798-4	8.850-5
10	21	8.333-4	9.232-4	8.069-4	7.132-4	6.120-4	4.195-4	2.291-4	1.795-4	1.399-4	8.343-5	4.017-5
10	22	2.514-2	2.348-2	2.028-2	1.906-2	1.789-2	1.569-2	1.281-2	1.167-2	1.049-2	8.048-3	4.994-3
10	23	1.432-3	1.493-3	1.295-3	1.150-3	9.856-4	6.555-4	3.259-4	2.438-4	1.809-4	9.811-5	4.305-5
10	24	1.057-3	9.542-4	7.401-4	6.471-4	5.500-4	3.625-4	1.784-4	1.329-4	9.812-5	5.257-5	2.236-5
10	25	7.424-4	6.852-4	5.697-4	5.157-4	4.529-4	3.136-4	1.593-4	1.192-4	8.816-5	4.706-5	1.980-5
10	26	2.601-3	2.230-3	1.685-3	1.510-3	1.353-3	1.091-3	8.426-4	7.742-4	7.156-4	6.153-4	4.893-4
10	27	9.705-3	9.769-3	1.074-2	1.070-2	1.034-2	9.078-3	7.041-3	6.253-3	5.463-3	3.934-3	2.232-3
10	28	2.589-3	2.254-3	1.966-3	1.869-3	1.771-3	1.562-3	1.251-3	1.122-3	9.866-4	7.169-4	4.122-4
10	29	2.575-3	2.469-3	2.372-3	2.308-3	2.224-3	2.018-3	1.690-3	1.549-3	1.400-3	1.082-3	6.763-4
10	30	5.460-3	5.552-3	5.582-3	5.494-3	5.359-3	4.991-3	4.355-3	4.078-3	3.790-3	3.198-3	2.440-3
10	31	4.469-4	3.893-4	3.318-4	2.963-4	2.542-4	1.687-4	8.524-5	6.475-5	4.901-5	2.804-5	1.349-5
10	32	2.407-3	2.186-3	1.926-3	1.822-3	1.713-3	1.487-3	1.176-3	1.054-3	9.296-4	6.826-4	3.988-4
10	33	6.937-3	7.510-3	8.169-3	8.079-3	7.819-3	6.999-3	5.614-3	5.036-3	4.436-3	3.236-3	1.866-3
10	34	3.385-4	3.704-4	3.608-4	3.368-4	3.064-4	2.416-4	1.699-4	1.489-4	1.307-4	1.003-4	6.820-5
10	35	2.443-3	3.023-3	3.618-3	3.583-3	3.434-3	2.959-3	2.253-3	1.996-3	1.744-3	1.267-3	7.347-4
10	36	8.442-4	6.400-4	3.845-4	3.074-4	2.418-4	1.438-4	6.892-5	5.215-5	3.946-5	2.256-5	1.051-5
10	37	6.340-3	5.468-3	4.341-3	3.937-3	3.567-3	2.953-3	2.324-3	2.110-3	1.897-3	1.465-3	9.213-4
10	38	1.967-3	1.958-3	1.674-3	1.543-3	1.421-3	1.216-3	9.993-4	9.239-4	8.485-4	6.960-4	5.040-4
10	39	3.166-3	3.107-3	2.704-3	2.541-3	2.389-3	2.121-3	1.774-3	1.631-3	1.479-3	1.151-3	7.259-4
10	40	4.729-4	4.139-4	3.152-4	2.812-4	2.512-4	2.026-4	1.522-4	1.348-4	1.177-4	8.534-5	4.994-5
10	41	1.602-3	1.367-3	1.105-3	1.026-3	9.573-4	8.392-4	6.907-4	6.305-4	5.668-4	4.333-4	2.664-4
10	42	2.371-2	2.082-2	1.743-2	1.637-2	1.541-2	1.361-2	1.108-2	1.003-2	8.908-3	6.616-3	3.892-3
10	43	6.086-3	5.808-3	5.398-3	5.231-3	5.050-3	4.614-3	3.808-3	3.433-3	3.029-3	2.199-3	1.245-3
10	44	3.109-3	3.063-3	2.926-3	2.847-3	2.753-3	2.516-3	2.076-3	1.874-3	1.659-3	1.219-3	7.087-4
10	45	6.108-4	6.090-4	5.847-4	5.672-4	5.461-4	4.947-4	4.053-4	3.656-4	3.237-4	2.395-4	1.415-4
10	46	2.086-4	1.970-4	1.748-4	1.665-4	1.583-4	1.420-4	1.174-4	1.068-4	9.541-5	7.170-5	4.285-5

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
10	47	2.972-5	2.956-5	2.819-5	2.731-5	2.627-5	2.378-5	1.960-5	1.775-5	1.578-5	1.172-5	6.899-6
10	48	1.277-5	1.276-5	1.267-5	1.261-5	1.253-5	1.227-5	1.152-5	1.102-5	1.036-5	8.610-6	5.779-6
11	12	4.983-1	5.001-1	4.870-1	4.812-1	4.748-1	4.511-1	3.895-1	3.599-1	3.280-1	2.612-1	1.787-1
11	13	1.609-1	1.619-1	1.570-1	1.575-1	1.589-1	1.558-1	1.368-1	1.284-1	1.203-1	1.063-1	9.268-2
11	14	9.491-2	9.905-2	9.746-2	9.769-2	9.864-2	9.560-2	7.727-2	6.862-2	6.001-2	4.425-2	2.844-2
11	15	7.766-2	6.793-2	5.802-2	5.644-2	5.520-2	5.064-2	4.000-2	3.555-2	3.110-2	2.264-2	1.328-2
11	16	4.995-2	4.678-2	4.343-2	4.333-2	4.331-2	4.116-2	3.373-2	3.032-2	2.680-2	1.987-2	1.196-2
11	17	6.690-2	6.095-2	5.620-2	5.632-2	5.638-2	5.315-2	4.277-2	3.826-2	3.373-2	2.505-2	1.535-2
11	18	6.400-2	6.511-2	6.106-2	5.849-2	5.564-2	4.938-2	4.019-2	3.651-2	3.271-2	2.501-2	1.565-2
11	19	4.221-2	4.299-2	4.003-2	3.818-2	3.615-2	3.181-2	2.575-2	2.341-2	2.102-2	1.623-2	1.044-2
11	20	1.374-2	1.378-2	1.154-2	1.041-2	9.253-3	7.080-3	4.784-3	4.106-3	3.508-3	2.498-3	1.472-3
11	21	4.032-3	3.652-3	2.707-3	2.310-3	1.934-3	1.294-3	7.177-4	5.715-4	4.539-4	2.829-4	1.440-4
11	22	6.585-2	6.127-2	5.290-2	4.970-2	4.661-2	4.077-2	3.320-2	3.024-2	2.719-2	2.092-2	1.312-2
11	23	2.002-2	1.929-2	1.639-2	1.500-2	1.359-2	1.099-2	8.166-3	7.250-3	6.382-3	4.755-3	2.886-3
11	24	4.200-3	3.757-3	2.914-3	2.561-3	2.191-3	1.461-3	7.255-4	5.415-4	4.003-4	2.149-4	9.209-5
11	25	5.992-3	5.469-3	4.129-3	3.602-3	3.080-3	2.114-3	1.171-3	9.288-4	7.358-4	4.593-4	2.382-4
11	26	6.529-3	5.719-3	4.264-3	3.756-3	3.288-3	2.487-3	1.717-3	1.504-3	1.321-3	1.017-3	6.719-4
11	27	2.414-2	2.429-2	2.693-2	2.683-2	2.591-2	2.262-2	1.743-2	1.547-2	1.353-2	9.822-3	5.743-3
11	28	7.028-3	6.013-3	5.161-3	4.897-3	4.639-3	4.117-3	3.339-3	3.009-3	2.660-3	1.951-3	1.129-3
11	29	1.266-2	1.218-2	1.167-2	1.139-2	1.105-2	1.021-2	8.775-3	8.135-3	7.445-3	5.992-3	4.179-3
11	30	1.338-2	1.361-2	1.372-2	1.348-2	1.310-2	1.202-2	1.012-2	9.280-3	8.395-3	6.574-3	4.304-3
11	31	3.035-3	2.689-3	2.284-3	2.094-3	1.886-3	1.478-3	1.043-3	9.113-4	7.918-4	5.795-4	3.479-4
11	32	7.302-3	6.801-3	6.136-3	5.852-3	5.540-3	4.863-3	3.879-3	3.482-3	3.074-3	2.263-3	1.336-3
11	33	2.116-2	2.263-2	2.450-2	2.423-2	2.345-2	2.100-2	1.688-2	1.518-2	1.341-2	9.866-3	5.806-3
11	34	1.480-3	1.558-3	1.512-3	1.420-3	1.303-3	1.055-3	7.654-4	6.711-4	5.826-4	4.221-4	2.482-4
11	35	8.311-3	1.025-2	1.209-2	1.191-2	1.137-2	9.766-3	7.461-3	6.631-3	5.823-3	4.299-3	2.611-3
11	36	3.430-3	2.474-3	1.443-3	1.149-3	9.035-4	5.446-4	2.751-4	2.151-4	1.698-4	1.095-4	6.393-5
11	37	1.884-2	1.640-2	1.314-2	1.195-2	1.085-2	9.031-3	7.188-3	6.566-3	5.949-3	4.708-3	3.146-3
11	38	7.301-3	7.382-3	6.361-3	5.859-3	5.382-3	4.567-3	3.672-3	3.350-3	3.023-3	2.352-3	1.501-3
11	39	8.973-3	8.731-3	7.362-3	6.830-3	6.349-3	5.538-3	4.593-3	4.231-3	3.853-3	3.067-3	2.067-3
11	40	2.416-3	2.217-3	1.917-3	1.817-3	1.725-3	1.553-3	1.304-3	1.194-3	1.076-3	8.239-4	5.072-4
11	41	5.170-3	4.168-3	3.114-3	2.819-3	2.571-3	2.173-3	1.737-3	1.579-3	1.420-3	1.100-3	7.149-4
11	42	6.902-2	6.014-2	5.005-2	4.695-2	4.414-2	3.893-2	3.166-2	2.862-2	2.541-2	1.884-2	1.106-2
11	43	2.080-2	1.991-2	1.845-2	1.785-2	1.720-2	1.569-2	1.297-2	1.172-2	1.037-2	7.597-3	4.367-3
11	44	9.273-3	9.116-3	8.739-3	8.524-3	8.262-3	7.581-3	6.277-3	5.672-3	5.023-3	3.694-3	2.164-3
11	45	2.009-3	1.976-3	1.877-3	1.820-3	1.754-3	1.596-3	1.316-3	1.190-3	1.056-3	7.842-4	4.662-4
11	46	5.309-4	5.133-4	4.679-4	4.490-4	4.297-4	3.889-4	3.246-4	2.965-4	2.665-4	2.038-4	1.257-4
11	47	1.090-4	1.088-4	1.027-4	9.892-5	9.379-5	8.090-5	6.435-5	5.934-5	5.513-5	4.845-5	3.890-5
11	48	3.464-4	3.480-4	3.505-4	3.522-4	3.545-4	3.623-4	3.816-4	3.927-4	4.067-4	4.442-4	5.091-4
12	13	6.971-1	7.021-1	6.884-1	6.829-1	6.773-1	6.494-1	5.674-1	5.284-1	4.871-1	4.032-1	3.023-1
12	14	2.414-1	2.377-1	2.254-1	2.246-1	2.256-1	2.183-1	1.820-1	1.655-1	1.493-1	1.201-1	9.109-2
12	15	1.428-1	1.242-1	1.070-1	1.045-1	1.027-1	9.482-2	7.560-2	6.750-2	5.941-2	4.399-2	2.680-2
12	16	1.080-1	1.019-1	9.462-2	9.411-2	9.367-2	8.837-2	7.204-2	6.468-2	5.712-2	4.228-2	2.530-2
12	17	8.805-2	8.189-2	7.635-2	7.615-2	7.583-2	7.129-2	5.784-2	5.186-2	4.575-2	3.373-2	1.995-2
12	18	8.612-2	8.376-2	7.367-2	6.934-2	6.501-2	5.621-2	4.437-2	3.995-2	3.554-2	2.692-2	1.679-2
12	19	8.152-2	8.049-2	7.254-2	6.849-2	6.431-2	5.593-2	4.507-2	4.102-2	3.695-2	2.891-2	1.933-2
12	20	4.435-2	4.357-2	3.632-2	3.300-2	2.973-2	2.378-2	1.739-2	1.536-2	1.347-2	1.002-2	6.169-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
12	21	5.269-3	4.800-3	3.506-3	2.979-3	2.487-3	1.670-3	9.475-4	7.658-4	6.196-4	4.055-4	2.278-4
12	22	8.499-2	7.811-2	6.701-2	6.274-2	5.861-2	5.083-2	4.106-2	3.737-2	3.361-2	2.599-2	1.663-2
12	23	5.936-2	5.772-2	5.143-2	4.827-2	4.501-2	3.868-2	3.090-2	2.804-2	2.517-2	1.943-2	1.245-2
12	24	2.063-2	1.964-2	1.623-2	1.458-2	1.287-2	9.677-3	6.429-3	5.501-3	4.689-3	3.330-3	1.947-3
12	25	1.487-2	1.370-2	1.055-2	9.375-3	8.238-3	6.164-3	4.076-3	3.497-3	3.005-3	2.217-3	1.467-3
12	26	1.023-2	9.201-3	6.924-3	6.084-3	5.297-3	3.927-3	2.588-3	2.214-3	1.893-3	1.370-3	8.335-4
12	27	2.762-2	2.733-2	3.035-2	3.020-2	2.908-2	2.513-2	1.905-2	1.681-2	1.462-2	1.050-2	6.006-3
12	28	8.254-3	6.824-3	5.689-3	5.365-3	5.064-3	4.490-3	3.691-3	3.360-3	3.014-3	2.307-3	1.473-3
12	29	2.668-2	2.566-2	2.448-2	2.385-2	2.309-2	2.120-2	1.779-2	1.623-2	1.454-2	1.098-2	6.638-3
12	30	2.016-2	2.044-2	2.068-2	2.034-2	1.975-2	1.805-2	1.501-2	1.367-2	1.226-2	9.357-3	5.851-3
12	31	1.036-2	9.779-3	9.154-3	8.769-3	8.302-3	7.274-3	5.929-3	5.434-3	4.938-3	3.962-3	2.803-3
12	32	1.320-2	1.264-2	1.177-2	1.135-2	1.088-2	9.778-3	8.008-3	7.246-3	6.441-3	4.807-3	2.908-3
12	33	3.035-2	3.272-2	3.623-2	3.585-2	3.457-2	3.052-2	2.408-2	2.155-2	1.898-2	1.394-2	8.240-3
12	34	4.497-3	4.588-3	4.449-3	4.244-3	3.987-3	3.417-3	2.664-3	2.384-3	2.105-3	1.567-3	9.608-4
12	35	1.803-2	2.233-2	2.616-2	2.561-2	2.428-2	2.062-2	1.559-2	1.381-2	1.206-2	8.793-3	5.201-3
12	36	7.209-3	5.128-3	2.958-3	2.357-3	1.863-3	1.153-3	6.262-4	5.086-4	4.197-4	3.000-4	1.998-4
12	37	2.993-2	2.596-2	2.077-2	1.894-2	1.727-2	1.455-2	1.181-2	1.089-2	9.981-3	8.150-3	5.859-3
12	38	1.781-2	1.777-2	1.564-2	1.464-2	1.367-2	1.197-2	9.930-3	9.142-3	8.319-3	6.595-3	4.383-3
12	39	1.095-2	1.082-2	8.970-3	8.222-3	7.549-3	6.444-3	5.248-3	4.815-3	4.375-3	3.483-3	2.381-3
12	40	5.807-3	5.522-3	5.076-3	4.912-3	4.753-3	4.422-3	3.862-3	3.598-3	3.305-3	2.661-3	1.808-3
12	41	6.607-3	4.944-3	3.310-3	2.883-3	2.541-3	2.040-3	1.572-3	1.417-3	1.265-3	9.691-4	6.210-4
12	42	1.088-1	9.368-2	7.735-2	7.248-2	6.808-2	5.997-2	4.868-2	4.395-2	3.897-2	2.880-2	1.685-2
12	43	3.878-2	3.719-2	3.432-2	3.312-2	3.184-2	2.895-2	2.398-2	2.173-2	1.931-2	1.431-2	8.406-3
12	44	1.716-2	1.683-2	1.619-2	1.584-2	1.540-2	1.420-2	1.182-2	1.069-2	9.473-3	6.959-3	4.028-3
12	45	3.301-3	3.257-3	3.122-3	3.043-3	2.947-3	2.704-3	2.254-3	2.046-3	1.822-3	1.361-3	8.152-4
12	46	7.016-4	6.903-4	6.424-4	6.198-4	5.959-4	5.432-4	4.582-4	4.211-4	3.820-4	3.014-4	1.976-4
12	47	7.866-5	7.802-5	7.449-5	7.284-5	7.129-5	6.909-5	6.893-5	6.994-5	7.170-5	7.680-5	7.699-5
12	48	2.261-5	2.261-5	2.246-5	2.234-5	2.219-5	2.172-5	2.033-5	1.942-5	1.824-5	1.510-5	1.009-5
13	14	7.756-1	8.082-1	7.950-1	7.879-1	7.812-1	7.451-1	6.405-1	5.935-1	5.458-1	4.536-1	3.490-1
13	15	2.103-1	1.830-1	1.606-1	1.576-1	1.554-1	1.448-1	1.172-1	1.051-1	9.284-2	6.878-2	4.120-2
13	16	2.065-1	1.900-1	1.736-1	1.720-1	1.706-1	1.596-1	1.287-1	1.152-1	1.016-1	7.524-2	4.542-2
13	17	8.898-2	8.238-2	7.558-2	7.462-2	7.372-2	6.901-2	5.650-2	5.087-2	4.504-2	3.341-2	1.988-2
13	18	5.735-2	5.220-2	4.141-2	3.749-2	3.379-2	2.668-2	1.835-2	1.576-2	1.347-2	9.625-3	5.839-3
13	19	1.099-1	1.100-1	9.818-2	9.218-2	8.604-2	7.391-2	5.851-2	5.286-2	4.720-2	3.611-2	2.333-2
13	20	1.171-1	1.126-1	9.357-2	8.551-2	7.784-2	6.448-2	5.045-2	4.591-2	4.161-2	3.357-2	2.437-2
13	21	8.695-3	8.005-3	5.630-3	4.692-3	3.842-3	2.487-3	1.355-3	1.081-3	8.632-4	5.493-4	2.903-4
13	22	7.911-2	7.014-2	5.807-2	5.380-2	4.976-2	4.237-2	3.356-2	3.040-2	2.726-2	2.106-2	1.362-2
13	23	1.089-1	1.020-1	9.000-2	8.521-2	8.043-2	7.107-2	5.862-2	5.375-2	4.871-2	3.835-2	2.545-2
13	24	8.232-2	7.453-2	6.285-2	5.842-2	5.406-2	4.586-2	3.617-2	3.277-2	2.942-2	2.287-2	1.507-2
13	25	2.153-2	1.950-2	1.592-2	1.458-2	1.321-2	1.046-2	7.344-3	6.374-3	5.493-3	3.952-3	2.334-3
13	26	1.562-2	1.358-2	1.005-2	8.831-3	7.707-3	5.765-3	3.836-3	3.271-3	2.771-3	1.926-3	1.089-3
13	27	2.208-2	2.189-2	2.427-2	2.425-2	2.348-2	2.058-2	1.595-2	1.425-2	1.259-2	9.457-3	5.937-3
13	28	5.716-3	4.746-3	3.938-3	3.704-3	3.487-3	3.080-3	2.533-3	2.311-3	2.078-3	1.594-3	9.873-4
13	29	3.732-2	3.598-2	3.424-2	3.332-2	3.220-2	2.941-2	2.446-2	2.221-2	1.979-2	1.477-2	8.757-3
13	30	2.206-2	2.222-2	2.252-2	2.212-2	2.141-2	1.941-2	1.600-2	1.453-2	1.299-2	9.879-3	6.256-3
13	31	2.732-2	2.607-2	2.484-2	2.403-2	2.299-2	2.051-2	1.669-2	1.511-2	1.345-2	1.007-2	6.031-3
13	32	1.651-2	1.562-2	1.438-2	1.386-2	1.329-2	1.199-2	9.893-3	8.985-3	8.028-3	6.086-3	3.841-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
13	33	3.120-2	3.419-2	3.925-2	3.883-2	3.718-2	3.201-2	2.444-2	2.168-2	1.898-2	1.389-2	8.282-3
13	34	1.367-2	1.380-2	1.346-2	1.308-2	1.259-2	1.142-2	9.518-3	8.694-3	7.821-3	6.038-3	3.937-3
13	35	3.663-2	4.529-2	5.270-2	5.138-2	4.853-2	4.096-2	3.081-2	2.720-2	2.368-2	1.705-2	9.800-3
13	36	1.177-2	8.490-3	4.957-3	3.988-3	3.197-3	2.063-3	1.204-3	1.002-3	8.427-4	6.110-4	4.020-4
13	37	3.675-2	3.116-2	2.461-2	2.241-2	2.043-2	1.723-2	1.407-2	1.302-2	1.199-2	9.920-3	7.363-3
13	38	3.242-2	3.228-2	2.954-2	2.824-2	2.696-2	2.453-2	2.113-2	1.969-2	1.813-2	1.479-2	1.047-2
13	39	1.206-2	1.225-2	1.033-2	9.478-3	8.697-3	7.386-3	5.934-3	5.400-3	4.855-3	3.748-3	2.390-3
13	40	5.922-3	5.735-3	5.323-3	5.154-3	4.983-3	4.621-3	4.005-3	3.713-3	3.386-3	2.658-3	1.679-3
13	41	7.674-3	5.423-3	3.317-3	2.789-3	2.375-3	1.792-3	1.298-3	1.150-3	1.011-3	7.557-4	4.720-4
13	42	1.438-1	1.214-1	9.909-2	9.266-2	8.692-2	7.645-2	6.192-2	5.585-2	4.947-2	3.652-2	2.146-2
13	43	5.667-2	5.437-2	4.999-2	4.818-2	4.627-2	4.202-2	3.483-2	3.159-2	2.811-2	2.089-2	1.231-2
13	44	3.003-2	2.940-2	2.815-2	2.751-2	2.672-2	2.466-2	2.063-2	1.872-2	1.664-2	1.231-2	7.185-3
13	45	4.350-3	4.344-3	4.258-3	4.183-3	4.080-3	3.784-3	3.182-3	2.895-3	2.584-3	1.931-3	1.148-3
13	46	7.800-4	7.659-4	7.198-4	6.974-4	6.731-4	6.183-4	5.271-4	4.867-4	4.442-4	3.573-4	2.458-4
13	47	6.305-5	6.308-5	6.044-5	5.967-5	5.960-5	6.264-5	7.508-5	8.173-5	8.908-5	1.076-4	1.278-4
13	48	5.214-6	5.204-6	5.137-6	5.091-6	5.030-6	4.851-6	4.417-6	4.169-6	3.867-6	3.127-6	2.036-6
14	15	2.172-1	1.859-1	1.546-1	1.478-1	1.424-1	1.294-1	1.044-1	9.381-2	8.304-2	6.184-2	3.741-2
14	16	4.312-1	3.889-1	3.477-1	3.415-1	3.361-1	3.120-1	2.532-1	2.280-1	2.024-1	1.527-1	9.598-2
14	17	6.626-2	6.157-2	5.610-2	5.545-2	5.506-2	5.218-2	4.299-2	3.870-2	3.422-2	2.527-2	1.486-2
14	18	5.626-2	4.724-2	3.451-2	3.063-2	2.726-2	2.138-2	1.476-2	1.267-2	1.078-2	7.523-3	4.240-3
14	19	8.527-2	7.620-2	5.548-2	4.808-2	4.134-2	2.959-2	1.794-2	1.479-2	1.220-2	8.326-3	5.054-3
14	20	2.545-1	2.364-1	1.874-1	1.688-1	1.519-1	1.238-1	9.556-2	8.650-2	7.790-2	6.185-2	4.365-2
14	21	1.700-3	1.669-3	1.240-3	1.064-3	9.019-4	6.133-4	3.173-4	2.395-4	1.784-4	9.654-5	4.112-5
14	22	3.651-2	3.049-2	2.302-2	2.041-2	1.793-2	1.342-2	8.806-3	7.502-3	6.385-3	4.577-3	2.823-3
14	23	1.133-1	1.055-1	9.076-2	8.513-2	7.969-2	6.946-2	5.659-2	5.175-2	4.681-2	3.686-2	2.466-2
14	24	2.773-1	2.465-1	2.089-1	1.968-1	1.855-1	1.645-1	1.368-1	1.258-1	1.142-1	9.023-2	5.978-2
14	25	2.283-2	2.148-2	1.806-2	1.664-2	1.515-2	1.209-2	8.487-3	7.342-3	6.295-3	4.471-3	2.608-3
14	26	1.212-2	1.020-2	7.072-3	6.014-3	5.054-3	3.450-3	2.016-3	1.659-3	1.374-3	9.626-4	6.070-4
14	27	1.746-2	1.704-2	1.903-2	1.936-2	1.912-2	1.726-2	1.360-2	1.213-2	1.066-2	7.796-3	4.548-3
14	28	1.185-3	8.242-4	5.526-4	4.802-4	4.093-4	2.737-4	1.392-4	1.055-4	7.954-5	4.477-5	2.076-5
14	29	1.830-2	1.688-2	1.530-2	1.457-2	1.373-2	1.191-2	9.434-3	8.495-3	7.557-3	5.722-3	3.539-3
14	30	1.141-2	1.093-2	1.061-2	1.028-2	9.796-3	8.596-3	6.894-3	6.263-3	5.645-3	4.448-3	2.972-3
14	31	6.934-2	6.604-2	6.172-2	5.972-2	5.744-2	5.211-2	4.307-2	3.901-2	3.465-2	2.563-2	1.502-2
14	32	1.443-2	1.271-2	1.098-2	1.045-2	9.922-3	8.855-3	7.333-3	6.706-3	6.045-3	4.657-3	2.900-3
14	33	2.360-2	2.506-2	2.826-2	2.807-2	2.706-2	2.364-2	1.844-2	1.652-2	1.465-2	1.112-2	7.229-3
14	34	3.380-2	3.362-2	3.260-2	3.186-2	3.094-2	2.858-2	2.410-2	2.200-2	1.971-2	1.494-2	9.271-3
14	35	7.898-2	9.378-2	1.055-1	1.028-1	9.755-2	8.391-2	6.515-2	5.821-2	5.134-2	3.816-2	2.356-2
14	36	1.359-2	1.040-2	6.601-3	5.491-3	4.563-3	3.191-3	2.074-3	1.780-3	1.527-3	1.113-3	7.059-4
14	37	3.674-2	3.018-2	2.267-2	2.010-2	1.777-2	1.404-2	1.055-2	9.474-3	8.443-3	6.454-3	4.030-3
14	38	4.133-2	4.222-2	4.021-2	3.891-2	3.750-2	3.447-2	2.955-2	2.730-2	2.484-2	1.949-2	1.257-2
14	39	1.914-2	1.966-2	1.736-2	1.627-2	1.524-2	1.340-2	1.111-2	1.019-2	9.210-3	7.134-3	4.460-3
14	40	1.761-3	1.409-3	8.717-4	7.017-4	5.605-4	3.592-4	2.097-4	1.743-4	1.455-4	1.010-4	5.886-5
14	41	1.117-2	8.059-3	5.036-3	4.259-3	3.643-3	2.772-3	2.032-3	1.810-3	1.600-3	1.203-3	7.385-4
14	42	1.752-1	1.444-1	1.151-1	1.071-1	1.000-1	8.742-2	7.031-2	6.324-2	5.586-2	4.099-2	2.390-2
14	43	7.349-2	7.051-2	6.508-2	6.283-2	6.045-2	5.503-2	4.567-2	4.141-2	3.683-2	2.733-2	1.608-2
14	44	5.030-2	4.873-2	4.608-2	4.487-2	4.349-2	4.005-2	3.363-2	3.062-2	2.734-2	2.044-2	1.209-2
14	45	6.386-3	6.332-3	6.154-3	6.041-3	5.893-3	5.476-3	4.620-3	4.206-3	3.754-3	2.801-3	1.654-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
14	46	7.915-4	7.649-4	7.133-4	6.915-4	6.683-4	6.168-4	5.302-4	4.909-4	4.485-4	3.610-4	2.521-4
14	47	1.507-5	1.296-5	1.092-5	1.023-5	9.540-6	8.155-6	6.366-6	5.705-6	5.049-6	3.768-6	2.276-6
14	48	1.147-5	1.144-5	1.128-5	1.118-5	1.105-5	1.065-5	9.705-6	9.169-6	8.520-6	6.923-6	4.547-6
15	16	3.314-1	3.206-1	2.942-1	2.855-1	2.764-1	2.505-1	2.030-1	1.840-1	1.651-1	1.286-1	8.636-2
15	17	2.198-1	2.115-1	1.929-1	1.867-1	1.801-1	1.624-1	1.311-1	1.185-1	1.058-1	8.108-2	5.205-2
15	18	2.224-1	2.006-1	1.667-1	1.556-1	1.455-1	1.251-1	9.656-2	8.615-2	7.607-2	5.719-2	3.599-2
15	19	3.702-1	3.602-1	3.122-1	2.919-1	2.729-1	2.393-1	2.040-1	1.934-1	1.841-1	1.687-1	1.536-1
15	20	1.918-1	1.981-1	1.753-1	1.621-1	1.489-1	1.251-1	1.002-1	9.282-2	8.639-2	7.583-2	6.545-2
15	21	5.327-2	5.449-2	5.233-2	5.074-2	4.899-2	4.501-2	3.871-2	3.609-2	3.336-2	2.774-2	2.091-2
15	22	1.566-1	1.600-1	1.365-1	1.247-1	1.133-1	9.102-2	6.393-2	5.520-2	4.731-2	3.402-2	2.132-2
15	23	1.757-1	1.923-1	1.741-1	1.602-1	1.461-1	1.199-1	8.988-2	7.978-2	7.012-2	5.211-2	3.200-2
15	24	8.108-2	7.132-2	5.332-2	4.704-2	4.136-2	3.105-2	1.967-2	1.634-2	1.350-2	9.111-3	5.352-3
15	25	1.845-1	1.824-1	1.596-1	1.517-1	1.444-1	1.291-1	1.064-1	9.757-2	8.871-2	7.136-2	5.097-2
15	26	8.365-2	7.589-2	6.539-2	6.259-2	6.006-2	5.440-2	4.538-2	4.182-2	3.825-2	3.139-2	2.365-2
15	27	1.497-1	1.477-1	1.488-1	1.479-1	1.460-1	1.403-1	1.331-1	1.310-1	1.295-1	1.276-1	1.270-1
15	28	9.682-3	8.810-3	8.121-3	8.001-3	7.823-3	7.128-3	5.688-3	5.077-3	4.453-3	3.231-3	1.870-3
15	29	7.200-2	6.545-2	6.075-2	5.987-2	5.902-2	5.667-2	5.262-2	5.112-2	4.969-2	4.719-2	4.454-2
15	30	3.213-2	2.986-2	2.845-2	2.777-2	2.675-2	2.374-2	1.876-2	1.681-2	1.486-2	1.107-2	6.744-3
15	31	4.831-2	4.447-2	4.042-2	3.910-2	3.762-2	3.394-2	2.785-2	2.533-2	2.271-2	1.744-2	1.116-2
15	32	1.018-1	9.879-2	9.601-2	9.537-2	9.474-2	9.317-2	9.053-2	8.953-2	8.861-2	8.713-2	8.548-2
15	33	4.062-2	4.138-2	4.730-2	4.735-2	4.554-2	3.850-2	2.880-2	2.598-2	2.364-2	2.016-2	1.718-2
15	34	6.383-2	6.415-2	6.401-2	6.381-2	6.352-2	6.256-2	6.067-2	5.990-2	5.913-2	5.777-2	5.731-2
15	35	4.396-2	5.155-2	5.785-2	5.665-2	5.399-2	4.684-2	3.825-2	3.576-2	3.364-2	3.033-2	2.752-2
15	36	3.751-2	3.660-2	3.667-2	3.608-2	3.493-2	3.139-2	2.534-2	2.283-2	2.022-2	1.496-2	8.782-3
15	37	5.787-2	6.090-2	6.196-2	6.025-2	5.788-2	5.296-2	4.851-2	4.764-2	4.715-2	4.710-2	4.754-2
15	38	5.150-2	6.317-2	5.649-2	5.043-2	4.425-2	3.371-2	2.420-2	2.158-2	1.931-2	1.553-2	1.172-2
15	39	5.648-2	5.459-2	4.302-2	3.816-2	3.378-2	2.688-2	2.079-2	1.905-2	1.747-2	1.469-2	1.163-2
15	40	6.365-3	6.939-3	5.949-3	5.212-3	4.452-3	3.139-3	1.969-3	1.661-3	1.400-3	9.836-4	5.932-4
15	41	3.694-2	3.333-2	2.493-2	2.172-2	1.885-2	1.436-2	1.037-2	9.218-3	8.167-3	6.301-3	4.293-3
15	42	1.190-1	9.708-2	6.934-2	6.100-2	5.391-2	4.282-2	3.182-2	2.818-2	2.469-2	1.830-2	1.170-2
15	43	3.859-2	3.251-2	2.248-2	1.924-2	1.645-2	1.222-2	8.549-3	7.516-3	6.602-3	5.070-3	3.600-3
15	44	2.765-2	2.397-2	1.942-2	1.772-2	1.612-2	1.331-2	1.014-2	9.031-3	7.942-3	5.897-3	3.666-3
15	45	2.136-2	1.987-2	1.658-2	1.515-2	1.376-2	1.129-2	8.533-3	7.569-3	6.622-3	4.815-3	2.795-3
15	46	2.624-2	2.459-2	2.250-2	2.172-2	2.092-2	1.914-2	1.609-2	1.470-2	1.319-2	1.000-2	6.128-3
15	47	2.595-3	2.608-3	2.540-3	2.491-3	2.429-3	2.264-3	1.934-3	1.774-3	1.598-3	1.223-3	7.587-4
15	48	5.565-5	5.557-5	5.500-5	5.457-5	5.398-5	5.213-5	4.753-5	4.490-5	4.170-5	3.381-5	2.209-5
16	17	6.967-2	6.374-2	5.169-2	4.857-2	4.579-2	3.824-2	2.541-2	2.113-2	1.743-2	1.186-2	7.663-3
16	18	1.616-1	1.422-1	1.102-1	1.001-1	9.138-2	7.502-2	5.354-2	4.638-2	3.991-2	2.910-2	1.896-2
16	19	3.123-1	2.609-1	1.988-1	1.795-1	1.624-1	1.308-1	9.202-2	7.940-2	6.796-2	4.846-2	2.913-2
16	20	5.820-1	5.780-1	5.090-1	4.782-1	4.493-1	3.978-1	3.405-1	3.220-1	3.050-1	2.751-1	2.423-1
16	21	7.056-2	7.142-2	6.770-2	6.526-2	6.256-2	5.658-2	4.716-2	4.312-2	3.881-2	2.971-2	1.828-2
16	22	1.453-1	1.464-1	1.291-1	1.203-1	1.114-1	9.340-2	6.951-2	6.117-2	5.325-2	3.883-2	2.340-2
16	23	1.841-1	1.857-1	1.584-1	1.454-1	1.326-1	1.070-1	7.492-2	6.447-2	5.499-2	3.882-2	2.297-2
16	24	2.520-1	2.068-1	1.527-1	1.372-1	1.240-1	1.001-1	7.119-2	6.171-2	5.303-2	3.798-2	2.286-2
16	25	2.281-1	2.302-1	2.115-1	2.038-1	1.958-1	1.763-1	1.433-1	1.297-1	1.156-1	8.708-2	5.283-2
16	26	9.765-2	9.394-2	8.471-2	8.147-2	7.816-2	7.013-2	5.631-2	5.053-2	4.459-2	3.285-2	1.939-2
16	27	5.742-2	5.331-2	5.380-2	5.380-2	5.284-2	4.863-2	4.215-2	4.014-2	3.841-2	3.577-2	3.351-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
16	28	1.170-2	8.588-3	6.181-3	5.725-3	5.340-3	4.513-3	3.298-3	2.861-3	2.445-3	1.698-3	9.287-4
16	29	4.153-2	3.754-2	3.436-2	3.358-2	3.250-2	2.901-2	2.282-2	2.039-2	1.797-2	1.332-2	8.048-3
16	30	6.467-2	6.255-2	6.052-2	5.966-2	5.859-2	5.588-2	5.234-2	5.130-2	5.045-2	4.938-2	4.863-2
16	31	1.435-1	1.351-1	1.260-1	1.231-1	1.200-1	1.122-1	9.958-2	9.452-2	8.940-2	7.940-2	6.701-2
16	32	3.505-2	2.813-2	2.275-2	2.177-2	2.074-2	1.793-2	1.342-2	1.175-2	1.014-2	7.186-3	4.075-3
16	33	9.801-2	9.485-2	9.633-2	9.548-2	9.310-2	8.541-2	7.466-2	7.131-2	6.842-2	6.390-2	5.971-2
16	34	1.602-1	1.604-1	1.598-1	1.593-1	1.587-1	1.568-1	1.530-1	1.513-1	1.497-1	1.469-1	1.453-1
16	35	1.268-1	1.403-1	1.541-1	1.524-1	1.476-1	1.335-1	1.168-1	1.123-1	1.087-1	1.038-1	1.009-1
16	36	5.377-2	5.307-2	5.354-2	5.276-2	5.112-2	4.599-2	3.735-2	3.380-2	3.012-2	2.274-2	1.412-2
16	37	1.076-1	1.158-1	1.186-1	1.154-1	1.112-1	1.029-1	9.598-2	9.486-2	9.447-2	9.539-2	9.699-2
16	38	7.782-2	9.219-2	8.382-2	7.638-2	6.877-2	5.553-2	4.283-2	3.907-2	3.566-2	2.966-2	2.348-2
16	39	5.661-2	6.039-2	4.731-2	4.089-2	3.498-2	2.566-2	1.776-2	1.565-2	1.381-2	1.074-2	7.587-3
16	40	8.599-3	9.322-3	8.557-3	7.900-3	7.203-3	5.915-3	4.509-3	4.030-3	3.561-3	2.653-3	1.593-3
16	41	5.978-2	4.859-2	3.387-2	2.920-2	2.521-2	1.916-2	1.389-2	1.235-2	1.095-2	8.405-3	5.591-3
16	42	1.908-1	1.518-1	1.028-1	8.801-2	7.563-2	5.691-2	3.997-2	3.483-2	3.010-2	2.173-2	1.329-2
16	43	8.033-2	7.115-2	5.246-2	4.611-2	4.055-2	3.172-2	2.315-2	2.043-2	1.789-2	1.336-2	8.779-3
16	44	2.248-2	1.830-2	1.409-2	1.273-2	1.148-2	9.352-3	7.044-3	6.255-3	5.498-3	4.131-3	2.786-3
16	45	3.928-2	3.521-2	2.922-2	2.691-2	2.470-2	2.075-2	1.609-2	1.438-2	1.266-2	9.306-3	5.489-3
16	46	4.083-2	3.819-2	3.493-2	3.371-2	3.246-2	2.967-2	2.491-2	2.272-2	2.035-2	1.532-2	9.164-3
16	47	3.274-3	3.306-3	3.272-3	3.230-3	3.168-3	2.976-3	2.548-3	2.332-3	2.092-3	1.576-3	9.435-4
16	48	2.947-5	2.941-5	2.904-5	2.878-5	2.843-5	2.737-5	2.480-5	2.335-5	2.161-5	1.738-5	1.131-5
17	18	2.015-1	1.956-1	1.776-1	1.704-1	1.635-1	1.500-1	1.324-1	1.260-1	1.199-1	1.084-1	9.526-2
17	19	3.629-1	3.741-1	2.807-1	2.426-1	2.091-1	1.576-1	1.143-1	1.031-1	9.386-2	7.945-2	6.599-2
17	20	7.837-2	7.621-2	6.365-2	5.821-2	5.303-2	4.360-2	3.253-2	2.877-2	2.517-2	1.850-2	1.110-2
17	21	3.239-2	3.257-2	3.099-2	3.001-2	2.891-2	2.638-2	2.212-2	2.025-2	1.824-2	1.399-2	8.629-3
17	22	8.841-2	8.121-2	6.531-2	5.945-2	5.406-2	4.371-2	3.092-2	2.677-2	2.303-2	1.667-2	1.047-2
17	23	6.100-2	6.204-2	5.194-2	4.688-2	4.201-2	3.266-2	2.166-2	1.829-2	1.536-2	1.072-2	6.720-3
17	24	3.489-2	3.141-2	2.480-2	2.256-2	2.059-2	1.701-2	1.251-2	1.095-2	9.485-3	6.840-3	4.062-3
17	25	8.327-2	8.348-2	7.666-2	7.355-2	7.033-2	6.291-2	5.095-2	4.607-2	4.105-2	3.093-2	1.875-2
17	26	5.564-2	5.128-2	4.413-2	4.214-2	4.034-2	3.629-2	2.952-2	2.675-2	2.394-2	1.842-2	1.206-2
17	27	7.816-2	7.445-2	7.576-2	7.524-2	7.348-2	6.779-2	6.075-2	5.900-2	5.775-2	5.651-2	5.551-2
17	28	7.125-3	5.319-3	4.029-3	3.774-3	3.551-3	3.051-3	2.285-3	2.000-3	1.725-3	1.219-3	6.841-4
17	29	3.868-2	3.370-2	2.992-2	2.908-2	2.828-2	2.628-2	2.264-2	2.110-2	1.950-2	1.633-2	1.263-2
17	30	7.899-2	7.752-2	7.649-2	7.616-2	7.566-2	7.376-2	6.988-2	6.827-2	6.669-2	6.373-2	6.026-2
17	31	2.070-2	1.845-2	1.630-2	1.566-2	1.500-2	1.348-2	1.099-2	9.946-3	8.865-3	6.666-3	4.020-3
17	32	7.210-2	7.109-2	6.984-2	6.949-2	6.913-2	6.812-2	6.610-2	6.524-2	6.438-2	6.280-2	6.077-2
17	33	3.643-2	3.939-2	4.328-2	4.334-2	4.251-2	3.920-2	3.430-2	3.277-2	3.143-2	2.936-2	2.764-2
17	34	2.100-2	2.109-2	2.095-2	2.083-2	2.064-2	1.984-2	1.814-2	1.742-2	1.668-2	1.527-2	1.371-2
17	35	1.685-2	2.016-2	2.293-2	2.254-2	2.143-2	1.800-2	1.327-2	1.173-2	1.034-2	7.939-3	5.522-3
17	36	3.181-2	3.108-2	3.117-2	3.090-2	3.021-2	2.777-2	2.309-2	2.102-2	1.882-2	1.429-2	8.798-3
17	37	3.932-2	4.001-2	4.051-2	3.959-2	3.825-2	3.537-2	3.279-2	3.234-2	3.215-2	3.240-2	3.351-2
17	38	1.972-2	2.658-2	2.542-2	2.272-2	1.975-2	1.442-2	9.505-3	8.159-3	6.991-3	5.045-3	3.101-3
17	39	2.524-2	2.690-2	2.202-2	1.932-2	1.671-2	1.242-2	8.547-3	7.452-3	6.475-3	4.785-3	3.024-3
17	40	8.889-3	8.678-3	7.060-3	6.263-3	5.498-3	4.213-3	2.984-3	2.612-3	2.267-3	1.644-3	9.651-4
17	41	2.554-2	2.535-2	1.968-2	1.721-2	1.495-2	1.141-2	8.332-3	7.478-3	6.720-3	5.411-3	4.012-3
17	42	5.975-2	4.805-2	3.263-2	2.797-2	2.404-2	1.809-2	1.279-2	1.123-2	9.825-3	7.453-3	5.234-3
17	43	3.592-2	3.296-2	2.633-2	2.384-2	2.154-2	1.758-2	1.321-2	1.167-2	1.016-2	7.306-3	4.205-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
17	44	1.947-2	1.637-2	1.221-2	1.063-2	9.164-3	6.751-3	4.500-3	3.843-3	3.253-3	2.246-3	1.257-3
17	45	1.679-2	1.599-2	1.320-2	1.190-2	1.065-2	8.478-3	6.205-3	5.458-3	4.746-3	3.436-3	2.029-3
17	46	1.847-2	1.712-2	1.543-2	1.483-2	1.423-2	1.296-2	1.084-2	9.890-3	8.858-3	6.684-3	4.013-3
17	47	1.294-3	1.293-3	1.207-3	1.165-3	1.119-3	1.021-3	8.583-4	7.834-4	7.019-4	5.293-4	3.179-4
17	48	6.929-5	6.965-5	7.025-5	7.057-5	7.096-5	7.209-5	7.486-5	7.650-5	7.859-5	8.433-5	9.480-5
18	19	4.287-1	4.271-1	3.902-1	3.714-1	3.518-1	3.098-1	2.480-1	2.238-1	1.994-1	1.511-1	9.387-2
18	20	1.692-1	1.623-1	1.340-1	1.230-1	1.132-1	9.472-2	7.108-2	6.294-2	5.530-2	4.167-2	2.747-2
18	21	3.034-2	3.107-2	2.879-2	2.782-2	2.691-2	2.437-2	1.959-2	1.779-2	1.609-2	1.311-2	1.002-2
18	22	2.038-1	2.347-1	2.229-1	2.082-1	1.920-1	1.576-1	1.138-1	9.914-2	8.547-2	6.112-2	3.561-2
18	23	1.580-1	1.573-1	1.452-1	1.415-1	1.376-1	1.243-1	9.675-2	8.576-2	7.500-2	5.502-2	3.345-2
18	24	8.966-2	8.446-2	7.356-2	7.077-2	6.844-2	6.174-2	4.794-2	4.236-2	3.689-2	2.678-2	1.604-2
18	25	2.101-1	2.104-1	1.609-1	1.444-1	1.302-1	1.041-1	7.265-2	6.254-2	5.341-2	3.779-2	2.197-2
18	26	8.821-2	8.087-2	7.049-2	6.827-2	6.620-2	6.005-2	4.806-2	4.318-2	3.830-2	2.894-2	1.838-2
18	27	6.328-2	5.380-2	4.744-2	4.632-2	4.482-2	4.000-2	3.228-2	2.959-2	2.710-2	2.275-2	1.809-2
18	28	1.923-1	1.928-1	1.928-1	1.927-1	1.927-1	1.929-1	1.933-1	1.936-1	1.940-1	1.953-1	1.960-1
18	29	6.232-2	5.452-2	4.839-2	4.724-2	4.601-2	4.210-2	3.425-2	3.093-2	2.753-2	2.082-2	1.315-2
18	30	4.634-2	4.380-2	4.344-2	4.414-2	4.425-2	4.138-2	3.350-2	3.028-2	2.712-2	2.131-2	1.508-2
18	31	2.111-2	1.837-2	1.599-2	1.546-2	1.481-2	1.289-2	9.670-3	8.500-3	7.388-3	5.378-3	3.269-3
18	32	9.473-2	9.334-2	9.356-2	9.395-2	9.403-2	9.291-2	8.996-2	8.880-2	8.771-2	8.589-2	8.388-2
18	33	1.955-1	1.975-1	2.011-1	2.018-1	2.016-1	1.981-1	1.903-1	1.872-1	1.841-1	1.787-1	1.727-1
18	34	1.517-2	1.477-2	1.458-2	1.459-2	1.446-2	1.357-2	1.145-2	1.055-2	9.640-3	7.882-3	5.856-3
18	35	3.977-2	4.011-2	4.208-2	4.255-2	4.231-2	3.987-2	3.532-2	3.379-2	3.243-2	3.025-2	2.866-2
18	36	2.547-2	2.748-2	3.232-2	3.291-2	3.242-2	2.915-2	2.302-2	2.064-2	1.828-2	1.376-2	8.711-3
18	37	2.894-2	3.897-2	4.902-2	4.789-2	4.484-2	3.680-2	2.801-2	2.569-2	2.385-2	2.128-2	1.954-2
18	38	1.311-1	1.513-1	1.145-1	9.540-2	7.784-2	5.065-2	2.917-2	2.402-2	1.986-2	1.363-2	8.217-3
18	39	9.799-2	9.076-2	6.490-2	5.535-2	4.707-2	3.471-2	2.482-2	2.229-2	2.014-2	1.665-2	1.319-2
18	40	3.382-2	3.229-2	2.729-2	2.532-2	2.356-2	2.081-2	1.840-2	1.773-2	1.715-2	1.616-2	1.487-2
18	41	6.801-2	5.651-2	3.915-2	3.368-2	2.905-2	2.212-2	1.608-2	1.430-2	1.266-2	9.675-3	6.376-3
18	42	1.086-1	8.919-2	5.942-2	5.015-2	4.237-2	3.086-2	2.114-2	1.842-2	1.597-2	1.172-2	7.311-3
18	43	7.735-2	6.383-2	4.384-2	3.767-2	3.247-2	2.472-2	1.825-2	1.651-2	1.502-2	1.264-2	1.053-2
18	44	3.458-2	2.982-2	2.434-2	2.249-2	2.082-2	1.808-2	1.535-2	1.447-2	1.364-2	1.211-2	1.043-2
18	45	3.251-2	3.042-2	2.558-2	2.340-2	2.127-2	1.745-2	1.314-2	1.163-2	1.015-2	7.369-3	4.336-3
18	46	4.238-2	3.919-2	3.511-2	3.366-2	3.221-2	2.913-2	2.407-2	2.181-2	1.938-2	1.437-2	8.446-3
18	47	4.941-3	5.055-3	4.965-3	4.865-3	4.734-3	4.387-3	3.715-3	3.396-3	3.047-3	2.310-3	1.409-3
18	48	8.479-5	8.463-5	8.367-5	8.300-5	8.208-5	7.924-5	7.235-5	6.852-5	6.389-5	5.240-5	3.489-5
19	20	5.923-1	5.784-1	4.965-1	4.640-1	4.341-1	3.769-1	2.973-1	2.670-1	2.366-1	1.777-1	1.095-1
19	21	3.157-2	3.203-2	2.724-2	2.518-2	2.332-2	1.942-2	1.367-2	1.168-2	9.870-3	6.783-3	3.758-3
19	22	2.667-1	2.497-1	2.108-1	1.963-1	1.828-1	1.559-1	1.193-1	1.061-1	9.340-2	6.975-2	4.373-2
19	23	2.183-1	2.121-1	1.853-1	1.763-1	1.673-1	1.432-1	1.025-1	8.808-2	7.477-2	5.193-2	2.944-2
19	24	3.250-1	3.014-1	2.632-1	2.518-1	2.412-1	2.155-1	1.697-1	1.514-1	1.333-1	9.888-2	6.095-2
19	25	1.734-1	1.649-1	1.485-1	1.461-1	1.432-1	1.283-1	9.530-2	8.277-2	7.098-2	5.020-2	2.902-2
19	26	1.335-1	1.213-1	1.025-1	9.770-2	9.344-2	8.362-2	6.728-2	6.089-2	5.457-2	4.256-2	2.899-2
19	27	1.590-1	1.404-1	1.228-1	1.188-1	1.152-1	1.080-1	9.829-2	9.483-2	9.145-2	8.535-2	7.922-2
19	28	1.545-2	1.138-2	8.979-3	8.712-3	8.424-3	7.384-3	5.472-3	4.769-3	4.103-3	2.905-3	1.646-3
19	29	1.541-1	1.356-1	1.220-1	1.201-1	1.183-1	1.122-1	1.000-1	9.516-2	9.044-2	8.176-2	7.243-2
19	30	1.498-1	1.463-1	1.439-1	1.439-1	1.435-1	1.400-1	1.313-1	1.277-1	1.242-1	1.179-1	1.111-1
19	31	8.880-2	7.660-2	6.479-2	6.203-2	5.934-2	5.263-2	4.164-2	3.741-2	3.323-2	2.537-2	1.690-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
19	32	3.323-1	3.305-1	3.279-1	3.273-1	3.268-1	3.258-1	3.242-1	3.238-1	3.237-1	3.248-1	3.251-1
19	33	4.239-2	3.753-2	3.654-2	3.684-2	3.621-2	3.164-2	2.280-2	1.964-2	1.671-2	1.163-2	6.549-3
19	34	7.977-2	7.861-2	7.777-2	7.766-2	7.747-2	7.644-2	7.397-2	7.296-2	7.199-2	7.032-2	6.778-2
19	35	1.647-1	1.660-1	1.705-1	1.715-1	1.709-1	1.654-1	1.543-1	1.501-1	1.461-1	1.391-1	1.332-1
19	36	3.265-2	3.572-2	4.451-2	4.594-2	4.549-2	4.050-2	3.102-2	2.748-2	2.406-2	1.773-2	1.089-2
19	37	3.856-2	5.393-2	6.987-2	6.838-2	6.395-2	5.201-2	3.850-2	3.478-2	3.170-2	2.710-2	2.304-2
19	38	1.365-1	1.722-1	1.404-1	1.197-1	1.001-1	6.859-2	4.278-2	3.636-2	3.108-2	2.296-2	1.571-2
19	39	1.059-1	1.046-1	7.743-2	6.645-2	5.673-2	4.189-2	2.964-2	2.641-2	2.363-2	1.901-2	1.418-2
19	40	4.264-2	3.095-2	1.811-2	1.446-2	1.149-2	7.278-3	4.136-3	3.392-3	2.790-3	1.876-3	1.046-3
19	41	1.016-1	8.596-2	6.502-2	5.850-2	5.296-2	4.442-2	3.630-2	3.368-2	3.116-2	2.635-2	2.073-2
19	42	1.738-1	1.463-1	9.744-2	8.173-2	6.853-2	4.926-2	3.405-2	3.019-2	2.695-2	2.184-2	1.713-2
19	43	1.093-1	9.244-2	6.674-2	5.869-2	5.184-2	4.141-2	3.227-2	2.964-2	2.727-2	2.313-2	1.878-2
19	44	2.956-2	2.411-2	1.769-2	1.548-2	1.349-2	1.028-2	7.356-3	6.515-3	5.770-3	4.529-3	3.398-3
19	45	5.076-2	4.857-2	4.227-2	3.922-2	3.617-2	3.059-2	2.420-2	2.194-2	1.973-2	1.555-2	1.092-2
19	46	6.763-2	6.285-2	5.611-2	5.369-2	5.129-2	4.629-2	3.824-2	3.466-2	3.084-2	2.297-2	1.364-2
19	47	8.231-3	8.387-3	8.274-3	8.124-3	7.922-3	7.372-3	6.293-3	5.780-3	5.218-3	4.029-3	2.575-3
19	48	1.198-4	1.194-4	1.176-4	1.165-4	1.150-4	1.109-4	1.011-4	9.569-5	8.922-5	7.320-5	4.883-5
20	21	2.691-2	2.933-2	2.502-2	2.268-2	2.049-2	1.617-2	1.053-2	8.726-3	7.146-3	4.630-3	2.407-3
20	22	1.432-1	1.322-1	1.003-1	8.892-2	7.884-2	5.945-2	3.579-2	2.881-2	2.302-2	1.450-2	7.644-3
20	23	5.303-1	4.731-1	3.669-1	3.314-1	3.001-1	2.445-1	1.788-1	1.569-1	1.365-1	9.998-2	6.139-2
20	24	7.266-1	6.563-1	5.657-1	5.404-1	5.170-1	4.584-1	3.555-1	3.152-1	2.757-1	2.015-1	1.204-1
20	25	2.201-1	2.081-1	1.827-1	1.803-1	1.777-1	1.590-1	1.147-1	9.804-2	8.273-2	5.669-2	3.150-2
20	26	1.448-1	1.352-1	1.158-1	1.097-1	1.043-1	9.300-2	7.614-2	6.977-2	6.354-2	5.183-2	3.870-2
20	27	4.440-2	3.224-2	2.184-2	1.980-2	1.806-2	1.433-2	9.333-3	7.766-3	6.401-3	4.219-3	2.250-3
20	28	2.049-2	1.534-2	1.029-2	9.248-3	8.431-3	6.895-3	4.874-3	4.197-3	3.580-3	2.525-3	1.502-3
20	29	2.186-1	2.122-1	2.039-1	2.025-1	2.009-1	1.947-1	1.813-1	1.759-1	1.706-1	1.611-1	1.506-1
20	30	8.218-2	7.666-2	7.112-2	7.005-2	6.901-2	6.599-2	6.053-2	5.845-2	5.646-2	5.291-2	4.895-2
20	31	3.381-1	3.142-1	2.884-1	2.840-1	2.795-1	2.643-1	2.345-1	2.229-1	2.117-1	1.913-1	1.693-1
20	32	5.226-2	3.906-2	2.623-2	2.361-2	2.144-2	1.713-2	1.162-2	9.866-3	8.313-3	5.754-3	3.351-3
20	33	1.784-1	1.605-1	1.471-1	1.444-1	1.418-1	1.355-1	1.259-1	1.223-1	1.188-1	1.125-1	1.071-1
20	34	5.210-1	5.211-1	5.196-1	5.189-1	5.185-1	5.176-1	5.154-1	5.147-1	5.144-1	5.155-1	5.155-1
20	35	2.136-1	2.152-1	2.223-1	2.245-1	2.241-1	2.155-1	1.955-1	1.875-1	1.796-1	1.650-1	1.491-1
20	36	4.495-2	4.983-2	6.521-2	6.806-2	6.776-2	6.026-2	4.566-2	4.033-2	3.525-2	2.604-2	1.627-2
20	37	3.014-2	4.027-2	5.635-2	5.668-2	5.389-2	4.370-2	2.978-2	2.535-2	2.135-2	1.452-2	7.889-3
20	38	1.557-1	2.129-1	1.800-1	1.543-1	1.292-1	8.851-2	5.468-2	4.622-2	3.924-2	2.849-2	1.891-2
20	39	9.378-2	9.901-2	7.277-2	6.121-2	5.084-2	3.487-2	2.177-2	1.839-2	1.551-2	1.087-2	6.462-3
20	40	2.105-2	1.735-2	1.255-2	1.082-2	9.248-3	6.725-3	4.490-3	3.868-3	3.320-3	2.399-3	1.517-3
20	41	8.810-2	7.768-2	6.233-2	5.704-2	5.229-2	4.431-2	3.538-2	3.208-2	2.870-2	2.181-2	1.336-2
20	42	3.469-1	2.708-1	1.766-1	1.493-1	1.270-1	9.544-2	7.226-2	6.695-2	6.281-2	5.705-2	5.257-2
20	43	8.886-2	7.829-2	5.714-2	4.969-2	4.306-2	3.252-2	2.285-2	1.999-2	1.737-2	1.276-2	7.976-3
20	44	2.934-2	2.249-2	1.640-2	1.443-2	1.261-2	9.598-3	6.728-3	5.876-3	5.101-3	3.738-3	2.322-3
20	45	5.733-2	5.712-2	5.109-2	4.744-2	4.359-2	3.623-2	2.749-2	2.436-2	2.126-2	1.536-2	8.844-3
20	46	1.023-1	9.472-2	8.371-2	7.984-2	7.608-2	6.844-2	5.650-2	5.124-2	4.565-2	3.413-2	2.050-2
20	47	1.229-2	1.242-2	1.226-2	1.205-2	1.175-2	1.091-2	9.241-3	8.440-3	7.562-3	5.692-3	3.395-3
20	48	1.568-4	1.561-4	1.531-4	1.514-4	1.493-4	1.437-4	1.310-4	1.241-4	1.157-4	9.495-5	6.329-5
21	22	2.758-2	2.916-2	2.498-2	2.294-2	2.110-2	1.766-2	1.318-2	1.158-2	1.006-2	7.248-3	4.197-3
21	23	3.040-2	3.379-2	2.936-2	2.671-2	2.422-2	1.985-2	1.476-2	1.301-2	1.134-2	8.224-3	4.787-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
21	24	2.794-2	2.771-2	2.296-2	2.133-2	1.998-2	1.763-2	1.422-2	1.283-2	1.139-2	8.484-3	5.044-3
21	25	5.380-2	4.530-2	2.772-2	2.288-2	1.908-2	1.323-2	7.690-3	6.237-3	5.105-3	3.687-3	3.113-3
21	26	2.264-1	2.247-1	2.232-1	2.233-1	2.234-1	2.229-1	2.213-1	2.210-1	2.209-1	2.218-1	2.272-1
21	27	1.083-2	9.530-3	8.471-3	8.308-3	8.128-3	7.485-3	6.133-3	5.548-3	4.939-3	3.704-3	2.223-3
21	28	5.742-3	5.012-3	4.463-3	4.394-3	4.287-3	3.843-3	2.967-3	2.619-3	2.273-3	1.621-3	9.127-4
21	29	2.382-3	2.119-3	2.359-3	2.583-3	2.708-3	2.517-3	1.796-3	1.523-3	1.273-3	8.511-4	4.519-4
21	30	5.126-3	4.730-3	5.005-3	5.230-3	5.319-3	4.994-3	4.074-3	3.724-3	3.396-3	2.816-3	2.214-3
21	31	3.331-3	2.779-3	2.412-3	2.396-3	2.357-3	2.100-3	1.545-3	1.336-3	1.140-3	7.975-4	4.631-4
21	32	1.280-2	1.176-2	1.124-2	1.122-2	1.109-2	1.025-2	8.292-3	7.435-3	6.546-3	4.773-3	2.747-3
21	33	9.612-3	8.901-3	8.406-3	8.374-3	8.278-3	7.727-3	6.452-3	5.899-3	5.331-3	4.182-3	2.776-3
21	34	1.107-2	1.079-2	1.049-2	1.039-2	1.024-2	9.681-3	8.430-3	7.856-3	7.258-3	6.030-3	4.479-3
21	35	8.344-3	8.354-3	8.669-3	8.784-3	8.766-3	8.268-3	6.943-3	6.326-3	5.663-3	4.277-3	2.580-3
21	36	2.161-3	2.764-3	3.795-3	3.857-3	3.714-3	3.084-3	2.146-3	1.836-3	1.552-3	1.061-3	5.746-4
21	37	3.273-3	5.294-3	7.878-3	7.878-3	7.385-3	5.707-3	3.563-3	2.939-3	2.411-3	1.595-3	8.781-4
21	38	9.322-3	1.255-2	1.247-2	1.137-2	1.008-2	7.587-3	5.107-3	4.386-3	3.741-3	2.627-3	1.480-3
21	39	2.429-2	2.640-2	1.906-2	1.567-2	1.260-2	7.902-3	4.256-3	3.400-3	2.722-3	1.730-3	8.978-4
21	40	2.004-2	1.492-2	8.546-3	6.715-3	5.216-3	3.103-3	1.578-3	1.237-3	9.739-4	6.026-4	3.054-4
21	41	1.581-2	1.529-2	1.092-2	8.950-3	7.165-3	4.430-3	2.312-3	1.822-3	1.439-3	8.964-4	4.635-4
21	42	1.467-2	1.121-2	7.695-3	6.699-3	5.858-3	4.553-3	3.295-3	2.891-3	2.505-3	1.790-3	1.018-3
21	43	9.445-3	8.252-3	5.991-3	5.179-3	4.453-3	3.308-3	2.279-3	1.984-3	1.721-3	1.272-3	8.122-4
21	44	3.840-3	3.505-3	2.794-3	2.437-3	2.088-3	1.503-3	9.725-4	8.250-4	6.955-4	4.786-4	2.652-4
21	45	4.921-3	4.909-3	4.180-3	3.795-3	3.418-3	2.742-3	1.978-3	1.714-3	1.461-3	1.011-3	5.764-4
21	46	6.274-3	5.873-3	5.306-3	5.096-3	4.881-3	4.412-3	3.616-3	3.255-3	2.867-3	2.072-3	1.159-3
21	47	1.084-4	1.008-4	8.856-5	8.373-5	7.887-5	6.893-5	5.417-5	4.810-5	4.190-5	2.988-5	1.681-5
21	48	7.212-6	7.209-6	7.146-6	7.103-6	7.048-6	6.888-6	6.443-6	6.157-6	5.788-6	4.804-6	3.224-6
22	23	7.794-1	7.586-1	6.526-1	6.154-1	5.816-1	5.114-1	4.045-1	3.629-1	3.214-1	2.411-1	1.487-1
22	24	1.585-1	1.370-1	9.789-2	8.542-2	7.467-2	5.523-2	3.321-2	2.691-2	2.173-2	1.418-2	8.188-3
22	25	1.108-0	1.137-0	8.264-1	7.107-1	6.124-1	4.616-1	3.236-1	2.830-1	2.464-1	1.824-1	1.157-1
22	26	8.993-2	7.895-2	6.053-2	5.560-2	5.150-2	4.344-2	3.265-2	2.912-2	2.598-2	2.080-2	1.588-2
22	27	3.688-1	3.603-1	3.550-1	3.541-1	3.529-1	3.490-1	3.416-1	3.390-1	3.369-1	3.342-1	3.309-1
22	28	1.483-2	1.009-2	7.213-3	6.874-3	6.642-3	5.943-3	4.496-3	3.931-3	3.388-3	2.404-3	1.367-3
22	29	3.273-1	3.219-1	3.150-1	3.126-1	3.102-1	3.044-1	2.941-1	2.898-1	2.857-1	2.781-1	2.678-1
22	30	2.089-1	2.046-1	2.000-1	1.986-1	1.971-1	1.930-1	1.860-1	1.833-1	1.808-1	1.765-1	1.712-1
22	31	5.397-2	5.197-2	4.851-2	4.730-2	4.602-2	4.273-2	3.759-2	3.581-2	3.420-2	3.152-2	2.871-2
22	32	4.227-2	3.995-2	3.943-2	4.018-2	4.071-2	3.981-2	3.577-2	3.409-2	3.250-2	2.983-2	2.730-2
22	33	3.568-1	3.599-1	3.642-1	3.652-1	3.650-1	3.614-1	3.533-1	3.504-1	3.480-1	3.450-1	3.417-1
22	34	3.351-2	3.351-2	3.338-2	3.360-2	3.367-2	3.278-2	3.031-2	2.940-2	2.861-2	2.739-2	2.646-2
22	35	3.157-2	3.205-2	3.288-2	3.314-2	3.285-2	3.051-2	2.618-2	2.476-2	2.352-2	2.162-2	2.026-2
22	36	4.155-2	4.515-2	5.241-2	5.330-2	5.248-2	4.694-2	3.626-2	3.207-2	2.792-2	2.003-2	1.140-2
22	37	2.726-2	3.285-2	4.293-2	4.298-2	4.085-2	3.336-2	2.321-2	2.001-2	1.713-2	1.228-2	7.569-3
22	38	6.230-2	8.648-2	8.498-2	7.671-2	6.739-2	5.027-2	3.376-2	2.904-2	2.485-2	1.774-2	1.065-2
22	39	6.149-2	6.955-2	5.814-2	5.015-2	4.221-2	2.903-2	1.787-2	1.508-2	1.282-2	9.463-3	6.756-3
22	40	2.262-2	2.592-2	2.172-2	1.919-2	1.674-2	1.262-2	8.752-3	7.610-3	6.568-3	4.715-3	2.741-3
22	41	8.227-2	9.012-2	7.131-2	6.179-2	5.297-2	3.891-2	2.667-2	2.330-2	2.032-2	1.526-2	1.013-2
22	42	1.058-1	9.212-2	6.376-2	5.430-2	4.620-2	3.398-2	2.355-2	2.064-2	1.806-2	1.366-2	9.235-3
22	43	1.268-1	1.059-1	8.154-2	7.442-2	6.847-2	5.952-2	5.151-2	4.911-2	4.690-2	4.290-2	3.840-2
22	44	1.235-1	1.224-1	1.198-1	1.183-1	1.168-1	1.139-1	1.110-1	1.102-1	1.096-1	1.092-1	1.088-1

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
22	45	6.287-2	6.241-2	5.897-2	5.645-2	5.353-2	4.719-2	3.813-2	3.448-2	3.069-2	2.308-2	1.416-2
22	46	4.575-2	4.441-2	4.036-2	3.856-2	3.671-2	3.284-2	2.680-2	2.420-2	2.145-2	1.589-2	9.458-3
22	47	1.825-3	1.683-3	1.378-3	1.260-3	1.151-3	9.708-4	7.858-4	7.238-4	6.636-4	5.526-4	4.256-4
22	48	1.313-5	1.313-5	1.298-5	1.287-5	1.271-5	1.226-5	1.122-5	1.064-5	9.972-6	8.508-6	6.836-6
23	24	1.043-0	9.292-1	7.362-1	6.767-1	6.254-1	5.293-1	4.017-1	3.559-1	3.116-1	2.289-1	1.366-1
23	25	6.541-1	5.994-1	5.147-1	4.890-1	4.654-1	4.125-1	3.280-1	2.949-1	2.619-1	1.984-1	1.263-1
23	26	1.105-1	9.854-2	7.472-2	6.807-2	6.247-2	5.139-2	3.665-2	3.189-2	2.767-2	2.077-2	1.442-2
23	27	6.350-2	4.722-2	3.453-2	3.229-2	3.036-2	2.580-2	1.878-2	1.633-2	1.407-2	1.019-2	6.427-3
23	28	2.679-2	1.576-2	8.709-3	7.622-3	6.884-3	5.503-3	3.573-3	2.968-3	2.465-3	1.762-3	1.346-3
23	29	4.870-1	4.843-1	4.795-1	4.777-1	4.759-1	4.714-1	4.643-1	4.619-1	4.602-1	4.587-1	4.561-1
23	30	4.364-1	4.335-1	4.295-1	4.281-1	4.263-1	4.214-1	4.125-1	4.092-1	4.063-1	4.027-1	3.986-1
23	31	4.679-1	4.606-1	4.461-1	4.407-1	4.356-1	4.252-1	4.093-1	4.031-1	3.970-1	3.862-1	3.714-1
23	32	2.851-2	2.439-2	2.112-2	2.092-2	2.070-2	1.906-2	1.491-2	1.320-2	1.151-2	8.366-3	4.978-3
23	33	2.004-1	2.013-1	2.022-1	2.025-1	2.021-1	1.984-1	1.897-1	1.862-1	1.829-1	1.771-1	1.699-1
23	34	6.818-2	6.768-2	6.716-2	6.740-2	6.748-2	6.622-2	6.271-2	6.143-2	6.034-2	5.881-2	5.749-2
23	35	1.574-1	1.579-1	1.615-1	1.625-1	1.621-1	1.573-1	1.480-1	1.450-1	1.424-1	1.388-1	1.364-1
23	36	7.323-2	7.706-2	8.566-2	8.658-2	8.534-2	7.791-2	6.371-2	5.805-2	5.238-2	4.152-2	2.955-2
23	37	3.581-2	4.359-2	5.997-2	6.101-2	5.875-2	4.896-2	3.474-2	3.012-2	2.591-2	1.871-2	1.158-2
23	38	8.093-2	1.108-1	1.089-1	9.864-2	8.698-2	6.543-2	4.456-2	3.862-2	3.339-2	2.467-2	1.635-2
23	39	5.038-2	6.391-2	6.077-2	5.502-2	4.872-2	3.722-2	2.586-2	2.248-2	1.940-2	1.398-2	8.275-3
23	40	2.420-2	3.664-2	3.293-2	2.805-2	2.301-2	1.456-2	7.684-3	6.114-3	4.927-3	3.407-3	2.571-3
23	41	7.859-2	8.337-2	6.694-2	5.898-2	5.159-2	3.953-2	2.821-2	2.478-2	2.158-2	1.574-2	9.260-3
23	42	1.797-1	1.558-1	1.114-1	9.686-2	8.454-2	6.620-2	5.092-2	4.677-2	4.314-2	3.707-2	3.094-2
23	43	2.055-1	1.843-1	1.587-1	1.512-1	1.449-1	1.353-1	1.268-1	1.245-1	1.226-1	1.197-1	1.170-1
23	44	4.688-2	3.728-2	2.672-2	2.304-2	1.974-2	1.454-2	9.993-3	8.725-3	7.599-3	5.658-3	3.648-3
23	45	9.638-2	9.602-2	9.300-2	9.048-2	8.742-2	8.033-2	6.930-2	6.466-2	5.980-2	4.988-2	3.790-2
23	46	6.720-2	6.368-2	5.750-2	5.506-2	5.259-2	4.739-2	3.911-2	3.549-2	3.167-2	2.388-2	1.482-2
23	47	2.103-3	1.827-3	1.427-3	1.292-3	1.170-3	9.668-4	7.408-4	6.599-4	5.792-4	4.226-4	2.448-4
23	48	1.467-5	1.479-5	1.498-5	1.497-5	1.485-5	1.424-5	1.257-5	1.163-5	1.051-5	7.957-6	4.692-6
24	25	1.041-0	8.751-1	7.126-1	6.741-1	6.416-1	5.708-1	4.584-1	4.155-1	3.734-1	2.947-1	2.061-1
24	26	1.089-1	9.063-2	6.781-2	6.316-2	5.957-2	5.083-2	3.593-2	3.067-2	2.588-2	1.778-2	9.944-3
24	27	1.972-2	1.622-2	1.304-2	1.249-2	1.199-2	1.047-2	7.654-3	6.619-3	5.653-3	3.970-3	2.287-3
24	28	8.445-3	7.274-3	6.107-3	5.909-3	5.760-3	5.324-3	4.330-3	3.891-3	3.438-3	2.540-3	1.498-3
24	29	3.113-1	3.068-1	2.993-1	2.975-1	2.955-1	2.892-1	2.766-1	2.716-1	2.670-1	2.594-1	2.513-1
24	30	3.264-2	2.926-2	2.540-2	2.477-2	2.417-2	2.191-2	1.700-2	1.500-2	1.303-2	9.365-3	5.462-3
24	31	1.350-0	1.333-0	1.303-0	1.293-0	1.283-0	1.264-0	1.235-0	1.224-0	1.215-0	1.200-0	1.180-0
24	32	3.211-2	2.203-2	1.357-2	1.205-2	1.094-2	8.759-3	5.662-3	4.677-3	3.836-3	2.560-3	1.516-3
24	33	3.225-2	2.866-2	2.599-2	2.573-2	2.517-2	2.224-2	1.635-2	1.421-2	1.223-2	8.787-3	5.330-3
24	34	1.708-2	1.517-2	1.433-2	1.468-2	1.488-2	1.366-2	9.788-3	8.323-3	6.996-3	4.823-3	2.854-3
24	35	6.690-1	6.695-1	6.706-1	6.705-1	6.691-1	6.614-1	6.456-1	6.399-1	6.350-1	6.288-1	6.221-1
24	36	1.002-1	1.044-1	1.165-1	1.186-1	1.179-1	1.095-1	9.224-2	8.549-2	7.886-2	6.632-2	5.197-2
24	37	4.836-2	5.577-2	7.411-2	7.592-2	7.406-2	6.392-2	4.762-2	4.195-2	3.663-2	2.722-2	1.788-2
24	38	8.103-2	1.164-1	1.244-1	1.158-1	1.048-1	8.234-2	5.835-2	5.098-2	4.427-2	3.260-2	2.101-2
24	39	4.531-2	6.205-2	6.305-2	5.825-2	5.257-2	4.152-2	2.982-2	2.616-2	2.277-2	1.672-2	1.035-2
24	40	1.187-2	1.638-2	1.592-2	1.455-2	1.304-2	1.026-2	7.395-3	6.492-3	5.645-3	4.090-3	2.380-3
24	41	7.468-2	8.310-2	6.588-2	5.695-2	4.866-2	3.540-2	2.377-2	2.052-2	1.764-2	1.266-2	7.498-3
24	42	3.660-1	3.275-1	2.717-1	2.543-1	2.396-1	2.180-1	2.000-1	1.954-1	1.916-1	1.859-1	1.806-1

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
24	43	1.518-1	1.240-1	8.093-2	6.779-2	5.675-2	4.032-2	2.645-2	2.260-2	1.920-2	1.342-2	7.664-3
24	44	2.058-2	1.597-2	1.121-2	9.569-3	8.070-3	5.646-3	3.520-3	2.949-3	2.460-3	1.671-3	9.373-4
24	45	1.047-1	1.019-1	9.559-2	9.201-2	8.795-2	7.893-2	6.508-2	5.916-2	5.288-2	3.982-2	2.395-2
24	46	8.924-2	8.441-2	7.622-2	7.311-2	6.998-2	6.338-2	5.275-2	4.808-2	4.314-2	3.307-2	2.140-2
24	47	2.384-3	1.962-3	1.455-3	1.299-3	1.163-3	9.434-4	7.127-4	6.330-4	5.547-4	4.039-4	2.334-4
24	48	9.658-6	9.805-6	1.011-5	1.016-5	1.011-5	9.715-6	8.501-6	7.799-6	6.970-6	5.102-6	2.825-6
25	26	4.846-1	4.742-1	4.526-1	4.468-1	4.414-1	4.292-1	4.101-1	4.035-1	3.976-1	3.889-1	3.799-1
25	27	5.596-2	4.926-2	3.896-2	3.596-2	3.317-2	2.740-2	1.976-2	1.714-2	1.470-2	1.035-2	5.866-3
25	28	1.690-2	1.389-2	1.081-2	1.013-2	9.570-3	8.393-3	6.489-3	5.750-3	5.023-3	3.649-3	2.126-3
25	29	1.629-1	1.589-1	1.487-1	1.446-1	1.401-1	1.295-1	1.129-1	1.058-1	9.770-2	8.174-2	7.104-2
25	30	6.698-2	6.313-2	5.502-2	5.222-2	4.942-2	4.309-2	3.383-2	3.054-2	2.748-2	2.193-2	1.552-2
25	31	3.252-1	3.565-1	3.347-1	3.034-1	2.670-1	1.962-1	1.260-1	1.069-1	9.072-2	6.529-2	4.191-2
25	32	4.296-2	3.749-2	3.025-2	2.854-2	2.699-2	2.332-2	1.749-2	1.535-2	1.330-2	9.579-3	5.650-3
25	33	6.478-2	6.171-2	5.562-2	5.326-2	5.045-2	4.317-2	3.238-2	2.862-2	2.509-2	1.886-2	1.250-2
25	34	4.133-2	4.367-2	3.791-2	3.402-2	2.991-2	2.188-2	1.347-2	1.120-2	9.350-3	6.649-3	4.447-3
25	35	2.652-1	2.570-1	2.258-1	2.114-1	1.973-1	1.719-1	1.473-1	1.408-1	1.356-1	1.283-1	1.219-1
25	36	8.112-1	8.253-1	8.304-1	8.285-1	8.256-1	8.192-1	8.128-1	8.123-1	8.132-1	8.195-1	8.310-1
25	37	5.307-2	5.727-2	6.778-2	6.828-2	6.618-2	5.726-2	4.314-2	3.806-2	3.315-2	2.399-2	1.390-2
25	38	1.013-1	1.548-1	1.601-1	1.459-1	1.293-1	9.818-2	6.836-2	5.996-2	5.257-2	4.010-2	2.759-2
25	39	5.188-2	6.857-2	6.299-2	5.609-2	4.886-2	3.617-2	2.428-2	2.092-2	1.794-2	1.289-2	7.828-3
25	40	1.669-2	2.049-2	1.825-2	1.622-2	1.413-2	1.051-2	7.113-3	6.138-3	5.265-3	3.747-3	2.158-3
25	41	1.189-1	1.148-1	7.915-2	6.498-2	5.255-2	3.392-2	1.952-2	1.611-2	1.341-2	9.562-3	6.705-3
25	42	2.411-1	1.870-1	1.208-1	1.016-1	8.565-2	6.245-2	4.343-2	3.828-2	3.377-2	2.618-2	1.852-2
25	43	1.232-1	1.040-1	7.871-2	7.094-2	6.431-2	5.426-2	4.575-2	4.348-2	4.158-2	3.864-2	3.593-2
25	44	4.069-2	3.127-2	2.200-2	1.898-2	1.628-2	1.201-2	8.203-3	7.122-3	6.152-3	4.450-3	2.630-3
25	45	2.812-1	2.882-1	2.914-1	2.900-1	2.881-1	2.842-1	2.811-1	2.811-1	2.820-1	2.864-1	2.933-1
25	46	9.588-2	9.307-2	8.762-2	8.532-2	8.295-2	7.782-2	6.942-2	6.577-2	6.198-2	5.456-2	4.649-2
25	47	2.835-3	2.690-3	2.473-3	2.387-3	2.299-3	2.107-3	1.786-3	1.642-3	1.488-3	1.170-3	7.857-4
25	48	3.640-5	3.631-5	3.578-5	3.543-5	3.495-5	3.355-5	3.028-5	2.848-5	2.636-5	2.129-5	1.402-5
26	27	1.212-1	1.106-1	9.815-2	9.485-2	9.194-2	8.544-2	7.426-2	6.962-2	6.489-2	5.555-2	4.422-2
26	28	1.121-2	8.910-3	7.428-3	7.429-3	7.465-3	6.895-3	5.067-3	4.359-3	3.711-3	2.637-3	1.653-3
26	29	1.427-1	1.429-1	1.374-1	1.364-1	1.354-1	1.283-1	1.070-1	9.689-2	8.615-2	6.421-2	3.822-2
26	30	1.418-1	1.420-1	1.335-1	1.308-1	1.282-1	1.199-1	1.002-1	9.089-2	8.101-2	6.065-2	3.622-2
26	31	1.122-1	1.101-1	1.057-1	1.052-1	1.047-1	9.959-2	8.405-2	7.686-2	6.934-2	5.437-2	3.729-2
26	32	4.722-2	4.089-2	3.461-2	3.347-2	3.256-2	2.989-2	2.450-2	2.238-2	2.034-2	1.665-2	1.288-2
26	33	1.140-1	1.134-1	1.080-1	1.065-1	1.048-1	9.826-2	8.342-2	7.697-2	7.036-2	5.732-2	4.214-2
26	34	8.009-2	7.945-2	7.621-2	7.629-2	7.644-2	7.357-2	6.267-2	5.751-2	5.213-2	4.151-2	2.941-2
26	35	1.401-1	1.373-1	1.277-1	1.255-1	1.233-1	1.149-1	9.539-2	8.677-2	7.784-2	6.001-2	3.910-2
26	36	3.724-2	3.935-2	5.298-2	5.836-2	6.066-2	5.560-2	4.070-2	3.532-2	3.047-2	2.264-2	1.632-2
26	37	3.649-2	3.895-2	4.415-2	4.442-2	4.330-2	3.834-2	2.997-2	2.680-2	2.365-2	1.756-2	1.052-2
26	38	2.448-2	4.164-2	4.563-2	4.088-2	3.487-2	2.327-2	1.276-2	1.020-2	8.179-3	5.290-3	2.917-3
26	39	4.348-2	4.977-2	4.634-2	4.255-2	3.847-2	3.119-2	2.461-2	2.290-2	2.147-2	1.927-2	1.717-2
26	40	1.646-2	1.845-2	1.628-2	1.433-2	1.226-2	8.636-3	5.512-3	4.759-3	4.164-3	3.316-3	2.632-3
26	41	1.284-1	1.356-1	1.240-1	1.175-1	1.113-1	1.015-1	9.365-2	9.184-2	9.050-2	8.892-2	8.758-2
26	42	5.873-2	5.986-2	5.089-2	4.546-2	3.975-2	2.933-2	1.923-2	1.640-2	1.394-2	9.908-3	6.065-3
26	43	9.229-2	8.426-2	6.606-2	5.787-2	4.975-2	3.570-2	2.271-2	1.916-2	1.611-2	1.116-2	6.483-3
26	44	4.961-2	4.568-2	4.095-2	3.765-2	3.393-2	2.671-2	1.903-2	1.664-2	1.445-2	1.055-2	6.448-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
26	45	9.359-2	1.070-1	9.677-2	8.515-2	7.266-2	5.066-2	3.153-2	2.683-2	2.308-2	1.769-2	1.342-2
26	46	1.164-1	9.246-2	6.587-2	5.852-2	5.254-2	4.386-2	3.659-2	3.460-2	3.290-2	3.034-2	2.858-2
26	47	1.690-2	1.814-2	1.793-2	1.743-2	1.681-2	1.533-2	1.290-2	1.186-2	1.079-2	8.711-3	6.522-3
26	48	2.466-4	2.455-4	2.407-4	2.376-4	2.337-4	2.222-4	1.962-4	1.825-4	1.667-4	1.307-4	8.210-5
27	28	2.605-2	2.076-2	1.688-2	1.620-2	1.569-2	1.437-2	1.161-2	1.041-2	9.197-3	6.802-3	4.036-3
27	29	6.171-2	5.220-2	4.293-2	4.132-2	4.021-2	3.695-2	2.976-2	2.695-2	2.432-2	1.987-2	1.577-2
27	30	1.507-1	1.514-1	1.470-1	1.450-1	1.429-1	1.369-1	1.245-1	1.190-1	1.133-1	1.018-1	8.817-2
27	31	3.926-2	3.329-2	2.689-2	2.582-2	2.513-2	2.270-2	1.685-2	1.455-2	1.241-2	8.762-3	5.300-3
27	32	2.368-1	2.389-1	2.383-1	2.380-1	2.377-1	2.363-1	2.317-1	2.299-1	2.283-1	2.263-1	2.248-1
27	33	1.665-1	1.703-1	1.662-1	1.633-1	1.596-1	1.480-1	1.242-1	1.133-1	1.017-1	7.750-2	4.754-2
27	34	9.243-2	9.381-2	9.204-2	9.176-2	9.144-2	8.912-2	8.297-2	8.043-2	7.799-2	7.367-2	6.863-2
27	35	4.062-2	4.094-2	3.932-2	3.850-2	3.732-2	3.314-2	2.540-2	2.251-2	1.976-2	1.479-2	9.505-3
27	36	5.964-2	5.917-2	6.119-2	6.222-2	6.236-2	5.903-2	4.952-2	4.520-2	4.068-2	3.150-2	2.061-2
27	37	5.977-2	6.209-2	6.530-2	6.519-2	6.436-2	6.159-2	5.775-2	5.655-2	5.550-2	5.388-2	5.193-2
27	38	3.944-2	4.610-2	4.358-2	4.052-2	3.725-2	3.139-2	2.585-2	2.432-2	2.300-2	2.088-2	1.881-2
27	39	5.488-2	5.462-2	4.683-2	4.328-2	3.994-2	3.444-2	2.963-2	2.842-2	2.747-2	2.612-2	2.500-2
27	40	7.483-3	6.919-3	5.534-3	4.783-3	4.013-3	2.668-3	1.494-3	1.205-3	9.740-4	6.332-4	3.433-4
27	41	3.795-2	3.465-2	2.785-2	2.502-2	2.226-2	1.733-2	1.250-2	1.119-2	1.011-2	8.472-3	7.047-3
27	42	4.214-2	3.882-2	3.145-2	2.841-2	2.541-2	2.000-2	1.440-2	1.269-2	1.118-2	8.674-3	6.448-3
27	43	2.166-2	2.528-2	2.812-2	2.653-2	2.390-2	1.778-2	1.115-2	9.284-3	7.697-3	5.171-3	2.835-3
27	44	3.007-2	3.666-2	3.794-2	3.429-2	2.959-2	2.025-2	1.144-2	9.210-3	7.406-3	4.745-3	2.526-3
27	45	1.975-2	2.296-2	2.181-2	1.955-2	1.694-2	1.205-2	7.445-3	6.230-3	5.214-3	3.627-3	2.159-3
27	46	5.955-2	4.754-2	3.043-2	2.545-2	2.138-2	1.547-2	1.044-2	8.988-3	7.675-3	5.397-3	3.072-3
27	47	1.247-2	1.206-2	1.046-2	9.782-3	9.097-3	7.732-3	5.953-3	5.287-3	4.625-3	3.359-3	1.970-3
27	48	1.041-2	1.046-2	1.055-2	1.060-2	1.068-2	1.092-2	1.156-2	1.194-2	1.243-2	1.374-2	1.599-2
28	29	3.091-2	2.650-2	2.288-2	2.217-2	2.160-2	1.995-2	1.626-2	1.464-2	1.297-2	9.681-3	5.815-3
28	30	1.589-1	1.611-1	1.612-1	1.606-1	1.600-1	1.587-1	1.562-1	1.552-1	1.543-1	1.532-1	1.517-1
28	31	2.107-2	1.966-2	1.696-2	1.648-2	1.621-2	1.518-2	1.223-2	1.093-2	9.646-3	7.316-3	5.023-3
28	32	8.152-2	8.039-2	7.761-2	7.664-2	7.554-2	7.166-2	6.180-2	5.687-2	5.142-2	3.965-2	2.461-2
28	33	8.472-2	8.265-2	8.004-2	7.953-2	7.917-2	7.814-2	7.591-2	7.510-2	7.445-2	7.370-2	7.303-2
28	34	5.734-2	5.700-2	5.596-2	5.612-2	5.627-2	5.528-2	5.155-2	4.989-2	4.822-2	4.515-2	4.184-2
28	35	2.408-2	2.482-2	2.512-2	2.546-2	2.565-2	2.460-2	2.052-2	1.857-2	1.652-2	1.235-2	7.395-3
28	36	1.122-2	1.114-2	1.240-2	1.315-2	1.358-2	1.302-2	1.043-2	9.290-3	8.143-3	5.942-3	3.474-3
28	37	3.146-3	3.746-3	5.498-3	5.811-3	5.726-3	4.717-3	3.047-3	2.534-3	2.095-3	1.406-3	7.804-4
28	38	7.389-3	9.378-3	9.183-3	8.435-3	7.561-3	5.871-3	4.162-3	3.663-3	3.221-3	2.472-3	1.714-3
28	39	5.678-3	6.393-3	5.926-3	5.329-3	4.638-3	3.307-3	2.025-3	1.683-3	1.395-3	9.397-4	5.182-4
28	40	3.729-3	4.647-3	5.137-3	4.662-3	3.980-3	2.551-3	1.215-3	9.012-4	6.645-4	3.579-4	1.557-4
28	41	4.024-3	4.936-3	4.966-3	4.542-3	4.000-3	2.894-3	1.791-3	1.494-3	1.244-3	8.495-4	4.802-4
28	42	1.073-2	1.083-2	1.055-2	1.002-2	9.295-3	7.632-3	5.549-3	4.835-3	4.154-3	2.908-3	1.601-3
28	43	9.695-3	1.044-2	1.049-2	9.670-3	8.589-3	6.347-3	4.124-3	3.537-3	3.053-3	2.324-3	1.699-3
28	44	3.125-3	5.519-3	6.793-3	6.241-3	5.404-3	3.624-3	1.925-3	1.507-3	1.178-3	7.144-4	3.545-4
28	45	7.441-3	1.135-2	1.212-2	1.091-2	9.396-3	6.449-3	3.759-3	3.100-3	2.582-3	1.855-3	1.297-3
28	46	2.030-2	1.685-2	1.165-2	1.002-2	8.647-3	6.563-3	4.636-3	4.035-3	3.470-3	2.445-3	1.368-3
28	47	6.129-3	6.087-3	5.667-3	5.433-3	5.180-3	4.631-3	3.766-3	3.392-3	2.998-3	2.200-3	1.276-3
28	48	1.634-4	1.633-4	1.614-4	1.603-4	1.588-4	1.545-4	1.432-4	1.363-4	1.276-4	1.050-4	6.983-5
29	30	4.710-1	4.794-1	4.639-1	4.591-1	4.543-1	4.352-1	3.870-1	3.651-1	3.424-1	2.972-1	2.430-1
29	31	7.240-1	7.444-1	7.283-1	7.211-1	7.137-1	6.857-1	6.175-1	5.872-1	5.561-1	4.951-1	4.218-1

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
29	32	1.685-1	1.684-1	1.646-1	1.635-1	1.626-1	1.588-1	1.492-1	1.451-1	1.410-1	1.338-1	1.259-1
29	33	5.361-1	5.438-1	5.416-1	5.401-1	5.384-1	5.304-1	5.099-1	5.011-1	4.926-1	4.780-1	4.611-1
29	34	1.135-1	1.049-1	9.738-2	9.823-2	9.937-2	9.549-2	7.730-2	6.901-2	6.070-2	4.511-2	2.832-2
29	35	1.828-1	1.590-1	1.353-1	1.324-1	1.302-1	1.190-1	9.239-2	8.229-2	7.300-2	5.742-2	4.329-2
29	36	1.143-1	1.145-1	1.322-1	1.421-1	1.476-1	1.405-1	1.095-1	9.630-2	8.328-2	5.910-2	3.336-2
29	37	1.267-2	1.351-2	1.625-2	1.648-2	1.587-2	1.288-2	8.344-3	6.940-3	5.726-3	3.800-3	2.081-3
29	38	3.286-2	3.721-2	3.584-2	3.382-2	3.148-2	2.681-2	2.183-2	2.035-2	1.903-2	1.682-2	1.454-2
29	39	5.431-2	5.475-2	5.305-2	5.186-2	5.046-2	4.759-2	4.467-2	4.395-2	4.344-2	4.296-2	4.198-2
29	40	8.926-3	9.519-3	9.484-3	9.007-3	8.335-3	6.791-3	4.920-3	4.303-3	3.721-3	2.660-3	1.520-3
29	41	3.251-2	3.127-2	2.904-2	2.756-2	2.572-2	2.167-2	1.689-2	1.538-2	1.400-2	1.158-2	9.059-3
29	42	3.677-2	3.931-2	4.457-2	4.331-2	4.021-2	3.158-2	2.093-2	1.770-2	1.487-2	1.021-2	5.814-3
29	43	4.113-2	5.412-2	6.284-2	5.994-2	5.492-2	4.303-2	2.953-2	2.549-2	2.191-2	1.588-2	9.862-3
29	44	2.692-2	3.840-2	4.593-2	4.386-2	4.022-2	3.171-2	2.227-2	1.950-2	1.707-2	1.309-2	9.226-3
29	45	7.908-2	1.066-1	1.156-1	1.083-1	9.820-2	7.693-2	5.440-2	4.775-2	4.182-2	3.155-2	2.056-2
29	46	1.804-1	1.542-1	1.060-1	9.037-2	7.708-2	5.697-2	3.914-2	3.388-2	2.909-2	2.065-2	1.190-2
29	47	6.363-2	6.508-2	6.266-2	6.061-2	5.824-2	5.296-2	4.462-2	4.101-2	3.718-2	2.919-2	1.942-2
29	48	4.720-4	4.711-4	4.649-4	4.606-4	4.546-4	4.367-4	3.944-4	3.712-4	3.435-4	2.769-4	1.806-4
30	31	1.023-1	9.872-2	9.218-2	9.051-2	8.890-2	8.291-2	6.904-2	6.316-2	5.726-2	4.601-2	3.331-2
30	32	5.495-2	5.105-2	4.569-2	4.469-2	4.393-2	4.098-2	3.368-2	3.061-2	2.756-2	2.184-2	1.551-2
30	33	1.731-1	1.732-1	1.654-1	1.631-1	1.608-1	1.526-1	1.340-1	1.261-1	1.182-1	1.029-1	8.543-2
30	34	1.037-1	9.715-2	8.988-2	8.963-2	8.969-2	8.614-2	7.338-2	6.771-2	6.209-2	5.171-2	4.039-2
30	35	1.847-1	1.585-1	1.314-1	1.265-1	1.227-1	1.120-1	9.013-2	8.125-2	7.252-2	5.619-2	3.835-2
30	36	8.762-2	8.747-2	9.571-2	1.004-1	1.027-1	9.772-2	7.851-2	6.998-2	6.131-2	4.449-2	2.571-2
30	37	2.114-2	2.156-2	2.332-2	2.352-2	2.313-2	2.100-2	1.750-2	1.635-2	1.531-2	1.359-2	1.190-2
30	38	2.654-2	2.946-2	2.644-2	2.423-2	2.191-2	1.772-2	1.359-2	1.240-2	1.135-2	9.600-3	7.878-3
30	39	2.635-2	2.693-2	2.437-2	2.292-2	2.138-2	1.845-2	1.554-2	1.474-2	1.408-2	1.308-2	1.220-2
30	40	3.560-2	3.477-2	3.436-2	3.413-2	3.383-2	3.317-2	3.255-2	3.246-2	3.247-2	3.274-2	3.400-2
30	41	2.681-2	2.534-2	2.259-2	2.122-2	1.967-2	1.642-2	1.246-2	1.110-2	9.788-3	7.305-3	4.506-3
30	42	2.781-2	2.836-2	2.997-2	2.891-2	2.682-2	2.125-2	1.438-2	1.226-2	1.037-2	7.196-3	4.085-3
30	43	3.591-2	4.473-2	5.167-2	4.915-2	4.470-2	3.407-2	2.219-2	1.874-2	1.576-2	1.096-2	6.656-3
30	44	3.088-2	4.637-2	5.047-2	4.657-2	4.140-2	3.083-2	1.997-2	1.686-2	1.414-2	9.626-3	5.280-3
30	45	4.962-2	6.608-2	6.930-2	6.391-2	5.695-2	4.292-2	2.868-2	2.463-2	2.108-2	1.510-2	9.078-3
30	46	1.358-1	1.119-1	7.490-2	6.362-2	5.420-2	4.014-2	2.772-2	2.403-2	2.066-2	1.471-2	8.551-3
30	47	3.402-2	3.545-2	3.372-2	3.236-2	3.084-2	2.757-2	2.266-2	2.057-2	1.836-2	1.380-2	8.282-3
30	48	2.697-4	2.693-4	2.661-4	2.637-4	2.604-4	2.503-4	2.258-4	2.123-4	1.962-4	1.574-4	1.016-4
31	32	9.306-2	8.515-2	7.270-2	7.024-2	6.850-2	6.331-2	5.092-2	4.558-2	4.023-2	3.011-2	1.921-2
31	33	1.126-1	1.082-1	1.012-1	9.968-2	9.806-2	8.985-2	7.026-2	6.268-2	5.564-2	4.372-2	3.257-2
31	34	3.073-1	3.039-1	2.945-1	2.927-1	2.910-1	2.801-1	2.493-1	2.355-1	2.214-1	1.944-1	1.630-1
31	35	4.947-1	4.933-1	4.793-1	4.738-1	4.671-1	4.440-1	4.004-1	3.848-1	3.708-1	3.484-1	3.295-1
31	36	3.441-1	3.454-1	3.782-1	3.965-1	4.070-1	3.968-1	3.480-1	3.281-1	3.091-1	2.760-1	2.428-1
31	37	1.825-2	1.818-2	1.994-2	2.004-2	1.937-2	1.629-2	1.139-2	9.758-3	8.275-3	5.754-3	3.299-3
31	38	9.494-2	1.020-1	9.738-2	9.393-2	9.040-2	8.413-2	7.835-2	7.693-2	7.586-2	7.464-2	7.354-2
31	39	2.208-2	2.474-2	2.473-2	2.386-2	2.265-2	1.962-2	1.528-2	1.365-2	1.202-2	8.846-3	5.219-3
31	40	6.951-3	7.763-3	8.798-3	8.804-3	8.565-3	7.620-3	6.015-3	5.387-3	4.761-3	3.570-3	2.298-3
31	41	2.334-2	2.235-2	2.097-2	1.975-2	1.805-2	1.402-2	9.322-3	7.930-3	6.717-3	4.755-3	2.970-3
31	42	5.599-2	6.000-2	6.720-2	6.473-2	5.974-2	4.680-2	3.140-2	2.679-2	2.276-2	1.617-2	1.010-2
31	43	5.755-2	6.383-2	7.170-2	7.038-2	6.707-2	5.803-2	4.682-2	4.330-2	4.009-2	3.460-2	2.912-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
31	44	1.994-2	2.530-2	3.198-2	3.134-2	2.935-2	2.373-2	1.663-2	1.436-2	1.230-2	8.733-3	5.183-3
31	45	9.640-2	1.229-1	1.365-1	1.316-1	1.233-1	1.037-1	8.031-2	7.271-2	6.564-2	5.293-2	3.944-2
31	46	2.159-1	1.946-1	1.361-1	1.158-1	9.838-2	7.186-2	4.855-2	4.179-2	3.567-2	2.506-2	1.435-2
31	47	8.757-2	8.683-2	8.253-2	7.970-2	7.646-2	6.917-2	5.744-2	5.231-2	4.682-2	3.534-2	2.128-2
31	48	6.132-4	6.124-4	6.058-4	6.006-4	5.933-4	5.701-4	5.145-4	4.840-4	4.476-4	3.602-4	2.337-4
32	33	1.991-1	1.916-1	1.839-1	1.823-1	1.809-1	1.761-1	1.644-1	1.592-1	1.540-1	1.439-1	1.323-1
32	34	2.133-1	2.143-1	2.116-1	2.112-1	2.102-1	2.035-1	1.838-1	1.745-1	1.647-1	1.446-1	1.200-1
32	35	2.705-1	2.725-1	2.712-1	2.713-1	2.715-1	2.689-1	2.591-1	2.547-1	2.506-1	2.435-1	2.355-1
32	36	4.259-2	4.186-2	4.630-2	4.895-2	5.041-2	4.815-2	3.869-2	3.458-2	3.047-2	2.262-2	1.381-2
32	37	7.351-3	1.052-2	1.717-2	1.806-2	1.756-2	1.393-2	8.524-3	6.987-3	5.746-3	3.967-3	2.522-3
32	38	1.776-2	2.321-2	2.393-2	2.229-2	2.020-2	1.594-2	1.145-2	1.013-2	8.939-3	6.918-3	4.868-3
32	39	1.712-2	1.991-2	1.950-2	1.790-2	1.590-2	1.174-2	7.407-3	6.205-3	5.188-3	3.578-3	2.078-3
32	40	4.944-3	6.282-3	6.367-3	5.736-3	4.936-3	3.343-3	1.839-3	1.461-3	1.159-3	7.218-4	3.671-4
32	41	2.009-2	2.435-2	2.413-2	2.200-2	1.931-2	1.368-2	7.887-3	6.353-3	5.106-3	3.271-3	1.743-3
32	42	3.570-2	3.523-2	3.446-2	3.317-2	3.132-2	2.691-2	2.132-2	1.940-2	1.754-2	1.416-2	1.084-2
32	43	2.591-2	2.867-2	2.964-2	2.760-2	2.472-2	1.847-2	1.188-2	1.000-2	8.375-3	5.721-3	3.177-3
32	44	1.441-2	2.414-2	2.774-2	2.519-2	2.168-2	1.455-2	7.880-3	6.238-3	4.946-3	3.130-3	1.747-3
32	45	2.787-2	3.910-2	3.851-2	3.415-2	2.905-2	1.949-2	1.081-2	8.649-3	6.920-3	4.403-3	2.337-3
32	46	5.432-2	4.690-2	3.385-2	2.951-2	2.576-2	1.991-2	1.431-2	1.253-2	1.085-2	7.772-3	4.461-3
32	47	2.245-2	2.214-2	2.011-2	1.911-2	1.804-2	1.580-2	1.258-2	1.128-2	9.953-3	7.329-3	4.348-3
32	48	9.796-3	9.838-3	9.897-3	9.936-3	9.994-3	1.020-2	1.073-2	1.106-2	1.147-2	1.256-2	1.448-2
33	34	2.648-1	2.674-1	2.646-1	2.645-1	2.645-1	2.612-1	2.496-1	2.448-1	2.404-1	2.334-1	2.253-1
33	35	2.228-1	2.394-1	2.394-1	2.339-1	2.262-1	2.041-1	1.646-1	1.484-1	1.319-1	9.919-2	6.086-2
33	36	1.241-1	1.228-1	1.299-1	1.347-1	1.372-1	1.308-1	1.067-1	9.578-2	8.459-2	6.249-2	3.701-2
33	37	5.786-2	5.976-2	6.298-2	6.296-2	6.210-2	5.886-2	5.407-2	5.252-2	5.115-2	4.892-2	4.637-2
33	38	9.492-2	1.043-1	9.692-2	9.153-2	8.617-2	7.714-2	6.920-2	6.718-2	6.555-2	6.324-2	6.158-2
33	39	4.459-2	4.498-2	3.757-2	3.398-2	3.050-2	2.461-2	1.926-2	1.777-2	1.644-2	1.423-2	1.248-2
33	40	1.636-2	1.615-2	1.554-2	1.484-2	1.399-2	1.219-2	1.018-2	9.556-3	8.990-3	8.005-3	6.856-3
33	41	3.548-2	3.368-2	2.874-2	2.637-2	2.390-2	1.926-2	1.453-2	1.315-2	1.192-2	9.867-3	7.816-3
33	42	6.705-2	5.805-2	4.643-2	4.186-2	3.716-2	2.829-2	1.921-2	1.659-2	1.433-2	1.076-2	7.746-3
33	43	5.040-2	5.455-2	5.527-2	5.150-2	4.629-2	3.506-2	2.311-2	1.967-2	1.669-2	1.185-2	7.338-3
33	44	2.439-2	3.082-2	3.479-2	3.221-2	2.838-2	2.014-2	1.197-2	9.861-3	8.151-3	5.635-3	3.533-3
33	45	4.513-2	5.689-2	6.340-2	5.943-2	5.332-2	3.971-2	2.531-2	2.128-2	1.783-2	1.227-2	7.012-3
33	46	1.038-1	9.390-2	6.678-2	5.709-2	4.867-2	3.575-2	2.425-2	2.087-2	1.781-2	1.245-2	6.992-3
33	47	2.830-2	2.838-2	2.592-2	2.457-2	2.318-2	2.042-2	1.658-2	1.502-2	1.338-2	1.009-2	6.220-3
33	48	1.873-4	1.870-4	1.850-4	1.835-4	1.816-4	1.757-4	1.607-4	1.519-4	1.410-4	1.139-4	7.363-5
34	35	6.622-1	6.658-1	6.600-1	6.595-1	6.593-1	6.522-1	6.277-1	6.172-1	6.073-1	5.913-1	5.822-1
34	36	1.533-1	1.493-1	1.556-1	1.611-1	1.645-1	1.594-1	1.366-1	1.264-1	1.161-1	9.619-2	7.341-2
34	37	1.139-2	1.158-2	1.402-2	1.476-2	1.479-2	1.305-2	9.697-3	8.623-3	7.703-3	6.256-3	4.861-3
34	38	2.306-2	2.548-2	2.457-2	2.341-2	2.192-2	1.849-2	1.424-2	1.288-2	1.162-2	9.396-3	7.020-3
34	39	1.033-2	1.092-2	1.130-2	1.102-2	1.038-2	8.476-3	5.882-3	5.057-3	4.319-3	3.080-3	1.855-3
34	40	4.504-3	5.295-3	6.925-3	6.980-3	6.699-3	5.625-3	4.113-3	3.620-3	3.167-3	2.372-3	1.546-3
34	41	1.891-2	1.955-2	2.268-2	2.283-2	2.207-2	1.890-2	1.416-2	1.260-2	1.118-2	8.665-3	5.943-3
34	42	3.375-2	3.446-2	3.948-2	3.899-2	3.688-2	3.022-2	2.149-2	1.878-2	1.635-2	1.224-2	8.163-3
34	43	2.499-2	3.618-2	4.790-2	4.660-2	4.302-2	3.340-2	2.221-2	1.894-2	1.611-2	1.151-2	7.112-3
34	44	2.234-2	3.548-2	4.339-2	4.125-2	3.755-2	2.895-2	1.940-2	1.657-2	1.405-2	9.833-3	5.721-3
34	45	3.319-2	5.805-2	7.224-2	6.756-2	5.976-2	4.215-2	2.426-2	1.959-2	1.580-2	1.017-2	5.471-3

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
34	46	9.196-2	8.572-2	6.702-2	5.953-2	5.267-2	4.135-2	2.996-2	2.626-2	2.274-2	1.628-2	9.405-3
34	47	4.939-2	4.800-2	4.185-2	3.910-2	3.641-2	3.138-2	2.482-2	2.223-2	1.957-2	1.432-2	8.359-3
34	48	1.513-3	1.517-3	1.515-3	1.510-3	1.502-3	1.468-3	1.369-3	1.306-3	1.226-3	1.015-3	6.788-4
35	36	2.618-1	2.601-1	2.720-1	2.797-1	2.834-1	2.727-1	2.351-1	2.185-1	2.018-1	1.693-1	1.317-1
35	37	3.859-2	3.986-2	4.335-2	4.348-2	4.258-2	3.868-2	3.265-2	3.067-2	2.887-2	2.583-2	2.251-2
35	38	1.320-1	1.383-1	1.396-1	1.379-1	1.356-1	1.304-1	1.243-1	1.223-1	1.206-1	1.178-1	1.142-1
35	39	4.497-2	4.852-2	4.687-2	4.499-2	4.285-2	3.851-2	3.359-2	3.200-2	3.053-2	2.791-2	2.465-2
35	40	6.423-3	7.866-3	8.355-3	7.932-3	7.306-3	5.871-3	4.174-3	3.627-3	3.119-3	2.210-3	1.260-3
35	41	4.431-2	4.316-2	4.096-2	3.950-2	3.760-2	3.323-2	2.791-2	2.621-2	2.466-2	2.201-2	1.931-2
35	42	1.018-1	9.417-2	8.324-2	7.657-2	6.855-2	5.178-2	3.393-2	2.884-2	2.445-2	1.740-2	1.102-2
35	43	5.543-2	5.648-2	5.396-2	5.006-2	4.506-2	3.455-2	2.348-2	2.034-2	1.766-2	1.348-2	1.003-2
35	44	2.686-2	2.944-2	3.262-2	3.119-2	2.867-2	2.258-2	1.558-2	1.351-2	1.173-2	8.912-3	6.562-3
35	45	6.015-2	8.153-2	9.563-2	9.013-2	8.104-2	6.030-2	3.860-2	3.272-2	2.782-2	2.030-2	1.370-2
35	46	1.249-1	1.151-1	8.606-2	7.525-2	6.565-2	5.039-2	3.579-2	3.120-2	2.689-2	1.911-2	1.099-2
35	47	4.222-2	4.088-2	3.541-2	3.303-2	3.075-2	2.662-2	2.145-2	1.945-2	1.740-2	1.340-2	8.892-3
35	48	1.218-4	1.216-4	1.200-4	1.190-4	1.179-4	1.145-4	1.057-4	1.005-4	9.409-5	7.865-5	5.742-5
36	37	3.014-2	3.118-2	3.184-2	3.097-2	2.923-2	2.423-2	1.763-2	1.557-2	1.373-2	1.066-2	7.805-3
36	38	3.004-2	3.506-2	3.774-2	3.633-2	3.405-2	2.859-2	2.190-2	1.971-2	1.767-2	1.400-2	1.015-2
36	39	4.915-2	5.274-2	5.279-2	5.145-2	4.961-2	4.541-2	4.033-2	3.871-2	3.724-2	3.478-2	3.229-2
36	40	8.694-3	1.017-2	1.087-2	1.048-2	9.841-3	8.247-3	6.143-3	5.404-3	4.688-3	3.353-3	1.901-3
36	41	1.018-1	9.811-2	9.332-2	9.114-2	8.850-2	8.263-2	7.602-2	7.424-2	7.286-2	7.119-2	7.005-2
36	42	6.979-2	6.779-2	6.279-2	5.892-2	5.393-2	4.282-2	3.001-2	2.610-2	2.260-2	1.668-2	1.086-2
36	43	8.332-2	8.296-2	7.975-2	7.621-2	7.162-2	6.161-2	5.039-2	4.699-2	4.398-2	3.897-2	3.409-2
36	44	3.111-2	3.181-2	3.404-2	3.267-2	3.021-2	2.402-2	1.659-2	1.428-2	1.219-2	8.632-3	5.181-3
36	45	1.820-1	2.179-1	2.418-1	2.342-1	2.210-1	1.904-1	1.587-1	1.505-1	1.441-1	1.354-1	1.291-1
36	46	2.040-1	1.919-1	1.406-1	1.204-1	1.024-1	7.496-2	5.213-2	4.612-2	4.103-2	3.309-2	2.637-2
36	47	1.578-1	1.535-1	1.430-1	1.392-1	1.358-1	1.303-1	1.248-1	1.233-1	1.221-1	1.210-1	1.210-1
36	48	3.052-4	3.065-4	3.084-4	3.095-4	3.112-4	3.169-4	3.328-4	3.430-4	3.571-4	4.001-4	4.853-4
37	38	8.700-2	1.015-1	9.912-2	9.206-2	8.384-2	6.793-2	5.090-2	4.547-2	4.039-2	3.117-2	2.119-2
37	39	6.886-2	7.473-2	6.443-2	5.729-2	5.005-2	3.753-2	2.584-2	2.250-2	1.952-2	1.444-2	9.289-3
37	40	2.050-2	2.767-2	2.596-2	2.306-2	1.994-2	1.446-2	9.434-3	8.051-3	6.849-3	4.858-3	2.908-3
37	41	6.801-2	6.979-2	5.592-2	4.868-2	4.180-2	3.054-2	2.043-2	1.757-2	1.501-2	1.064-2	6.227-3
37	42	2.242-1	2.253-1	2.199-1	2.170-1	2.140-1	2.079-1	1.997-1	1.967-1	1.936-1	1.879-1	1.799-1
37	43	1.952-1	1.854-1	1.696-1	1.643-1	1.595-1	1.514-1	1.422-1	1.390-1	1.359-1	1.302-1	1.228-1
37	44	1.247-1	1.194-1	1.147-1	1.132-1	1.117-1	1.090-1	1.058-1	1.046-1	1.036-1	1.020-1	1.015-1
37	45	1.460-1	1.437-1	1.386-1	1.353-1	1.315-1	1.226-1	1.075-1	1.006-1	9.312-2	7.728-2	5.726-2
37	46	3.273-2	3.001-2	2.539-2	2.372-2	2.217-2	1.935-2	1.561-2	1.411-2	1.256-2	9.500-3	6.057-3
37	47	1.192-2	1.191-2	1.158-2	1.137-2	1.112-2	1.043-2	8.961-3	8.230-3	7.425-3	5.733-3	3.706-3
37	48	2.178-4	2.188-4	2.201-4	2.209-4	2.220-4	2.255-4	2.350-4	2.412-4	2.491-4	2.704-4	3.069-4
38	39	3.010-1	2.943-1	2.650-1	2.519-1	2.394-1	2.173-1	1.919-1	1.826-1	1.733-1	1.547-1	1.310-1
38	40	9.270-2	9.061-2	8.637-2	8.426-2	8.221-2	7.858-2	7.455-2	7.322-2	7.197-2	6.982-2	6.906-2
38	41	1.699-1	1.682-1	1.511-1	1.435-1	1.362-1	1.234-1	1.080-1	1.022-1	9.622-2	8.436-2	6.967-2
38	42	2.118-1	1.940-1	1.641-1	1.537-1	1.443-1	1.283-1	1.098-1	1.029-1	9.582-2	8.178-2	6.467-2
38	43	1.365-1	1.192-1	9.798-2	9.158-2	8.610-2	7.748-2	6.870-2	6.576-2	6.296-2	5.796-2	5.271-2
38	44	4.623-2	4.192-2	3.667-2	3.498-2	3.345-2	3.078-2	2.754-2	2.632-2	2.511-2	2.284-2	2.032-2
38	45	7.064-2	6.378-2	5.442-2	5.096-2	4.765-2	4.166-2	3.440-2	3.161-2	2.870-2	2.308-2	1.747-2
38	46	9.358-2	9.046-2	8.534-2	8.310-2	8.068-2	7.506-2	6.485-2	6.004-2	5.480-2	4.364-2	2.983-2

Table 3. Effective Collision Strengths for Transitions in Fe XI. ($a\pm b \equiv a\times 10^{\pm b}$).

Transition		Temperature (log T_e, K)										
i	j	4.00	4.30	4.70	4.85	5.00	5.30	5.70	5.85	6.00	6.30	6.70
38	47	1.715-2	1.707-2	1.657-2	1.624-2	1.583-2	1.468-2	1.235-2	1.122-2	9.995-3	7.436-3	4.419-3
38	48	5.599-3	5.606-3	5.582-3	5.560-3	5.527-3	5.409-3	5.057-3	4.830-3	4.536-3	3.753-3	2.500-3
39	40	7.647-2	7.458-2	6.887-2	6.594-2	6.291-2	5.688-2	4.821-2	4.446-2	4.040-2	3.169-2	2.044-2
39	41	2.326-1	2.632-1	2.772-1	2.708-1	2.590-1	2.213-1	1.620-1	1.429-1	1.267-1	1.018-1	8.021-2
39	42	1.485-1	1.121-1	7.588-2	6.611-2	5.819-2	4.676-2	3.729-2	3.467-2	3.237-2	2.852-2	2.476-2
39	43	8.146-2	7.388-2	6.134-2	5.699-2	5.307-2	4.653-2	3.947-2	3.699-2	3.452-2	2.966-2	2.358-2
39	44	5.247-2	5.195-2	4.705-2	4.488-2	4.270-2	3.832-2	3.319-2	3.166-2	3.039-2	2.858-2	2.784-2
39	45	7.489-2	6.740-2	5.878-2	5.565-2	5.269-2	4.748-2	4.170-2	3.973-2	3.785-2	3.449-2	3.115-2
39	46	6.093-2	5.860-2	5.390-2	5.190-2	4.986-2	4.561-2	3.879-2	3.573-2	3.241-2	2.535-2	1.639-2
39	47	9.249-2	9.168-2	8.415-2	8.043-2	7.493-2	5.986-2	4.064-2	3.516-2	3.065-2	2.406-2	1.878-2
39	48	4.354-1	4.377-1	4.414-1	4.434-1	4.462-1	4.554-1	4.813-1	4.980-1	5.198-1	5.776-1	6.732-1
40	41	3.213-2	3.490-2	3.385-2	3.234-2	3.061-2	2.707-2	2.237-2	2.049-2	1.851-2	1.437-2	9.094-3
40	42	1.420-2	1.447-2	1.222-2	1.096-2	9.708-3	7.533-3	5.378-3	4.711-3	4.090-3	2.964-3	1.740-3
40	43	2.861-2	2.542-2	1.941-2	1.730-2	1.546-2	1.266-2	1.043-2	9.886-3	9.453-3	8.838-3	8.330-3
40	44	2.483-2	2.327-2	2.066-2	1.948-2	1.831-2	1.612-2	1.337-2	1.230-2	1.120-2	8.943-3	6.138-3
40	45	2.319-2	2.048-2	1.704-2	1.574-2	1.451-2	1.236-2	9.951-3	9.100-3	8.266-3	6.704-3	5.018-3
40	46	2.736-2	2.512-2	2.234-2	2.141-2	2.050-2	1.867-2	1.571-2	1.436-2	1.290-2	9.803-3	5.964-3
40	47	7.358-3	7.334-3	7.074-3	6.909-3	6.709-3	6.197-3	5.196-3	4.715-3	4.189-3	3.088-3	1.787-3
40	48	1.296-3	1.297-3	1.290-3	1.285-3	1.277-3	1.250-3	1.171-3	1.119-3	1.052-3	8.721-4	5.824-4
41	42	8.704-2	7.059-2	5.109-2	4.514-2	4.007-2	3.241-2	2.603-2	2.436-2	2.298-2	2.086-2	1.898-2
41	43	7.541-2	6.953-2	5.670-2	5.202-2	4.781-2	4.107-2	3.488-2	3.310-2	3.153-2	2.894-2	2.639-2
41	44	6.759-2	6.734-2	5.725-2	5.272-2	4.806-2	3.835-2	2.641-2	2.273-2	1.951-2	1.426-2	9.212-3
41	45	1.635-1	1.540-1	1.430-1	1.388-1	1.347-1	1.276-1	1.209-1	1.192-1	1.178-1	1.164-1	1.153-1
41	46	7.763-2	7.708-2	7.177-2	6.898-2	6.617-2	6.085-2	5.372-2	5.081-2	4.772-2	4.111-2	3.164-2
41	47	2.537-1	2.507-1	2.295-1	2.195-1	2.049-1	1.649-1	1.155-1	1.022-1	9.179-2	7.802-2	6.873-2
41	48	1.180-0	1.187-0	1.197-0	1.202-0	1.210-0	1.235-0	1.307-0	1.353-0	1.413-0	1.573-0	1.836-0
42	43	4.385-1	4.348-1	4.171-1	4.081-1	3.983-1	3.769-1	3.417-1	3.261-1	3.095-1	2.750-1	2.314-1
42	44	6.672-2	6.288-2	5.770-2	5.508-2	5.228-2	4.665-2	3.943-2	3.675-2	3.412-2	2.918-2	2.389-2
42	45	1.494-1	1.435-1	1.289-1	1.213-1	1.135-1	9.828-2	7.891-2	7.146-2	6.384-2	4.860-2	3.058-2
42	46	1.923-1	1.853-1	1.728-1	1.678-1	1.625-1	1.510-1	1.310-1	1.216-1	1.111-1	8.918-2	6.428-2
42	47	4.322-2	4.264-2	4.027-2	3.913-2	3.791-2	3.512-2	3.008-2	2.773-2	2.521-2	2.005-2	1.412-2
42	48	7.207-5	7.269-5	7.366-5	7.359-5	7.301-5	7.002-5	6.167-5	5.700-5	5.153-5	3.908-5	2.316-5
43	44	3.071-1	3.084-1	3.033-1	2.984-1	2.922-1	2.774-1	2.519-1	2.403-1	2.279-1	2.019-1	1.709-1
43	45	1.830-1	1.801-1	1.670-1	1.594-1	1.515-1	1.364-1	1.185-1	1.120-1	1.057-1	9.347-2	7.896-2
43	46	1.833-1	1.720-1	1.535-1	1.471-1	1.410-1	1.293-1	1.122-1	1.049-1	9.697-2	8.071-2	6.148-2
43	47	7.000-2	6.980-2	6.784-2	6.686-2	6.581-2	6.342-2	5.910-2	5.713-2	5.505-2	5.096-2	4.623-2
43	48	1.436-4	1.439-4	1.432-4	1.424-4	1.410-4	1.364-4	1.242-4	1.172-4	1.086-4	8.749-5	5.672-5
44	45	1.007-1	1.051-1	1.005-1	9.601-2	9.094-2	8.050-2	6.641-2	6.073-2	5.472-2	4.255-2	2.895-2
44	46	1.132-1	1.028-1	8.719-2	8.206-2	7.736-2	6.877-2	5.695-2	5.203-2	4.686-2	3.627-2	2.347-2
44	47	3.686-2	3.622-2	3.312-2	3.170-2	2.999-2	2.585-2	1.979-2	1.751-2	1.526-2	1.103-2	6.525-3
44	48	6.258-2	6.293-2	6.346-2	6.375-2	6.415-2	6.552-2	6.934-2	7.181-2	7.501-2	8.345-2	9.729-2
45	46	6.247-1	6.174-1	5.924-1	5.811-1	5.701-1	5.505-1	5.266-1	5.182-1	5.103-1	4.958-1	4.772-1
45	47	4.025-1	4.054-1	4.063-1	4.060-1	4.055-1	4.047-1	4.036-1	4.038-1	4.047-1	4.083-1	4.123-1
45	48	1.326-4	1.317-4	1.285-4	1.263-4	1.236-4	1.161-4	1.014-4	9.449-5	8.703-5	7.103-5	4.992-5
46	47	3.956-1	3.975-1	3.954-1	3.938-1	3.920-1	3.884-1	3.832-1	3.817-1	3.808-1	3.814-1	3.824-1
46	48	1.625-4	1.629-4	1.635-4	1.640-4	1.645-4	1.657-4	1.682-4	1.698-4	1.721-4	1.778-4	1.837-4
47	48	5.048-1	5.078-1	5.124-1	5.148-1	5.181-1	5.297-1	5.627-1	5.838-1	6.115-1	6.834-1	8.043-1

Table 4. Comparison between our present DARC and earlier BPRM (GT: Gupta & Tayal 1999a,b) effective collision strengths (Υ) for some transitions of Fe XI.
($a\pm b \equiv a\times10^{\pm}b$).

Transition		DARC				GT			
i	j	5×10^5	1×10^6	2×10^6	5×10^6	5×10^5	1×10^6	2×10^6	5×10^6 K
1	37	1.155-0	1.245-0	1.390-0	1.646-0	1.87	1.93	1.92	1.44
1	38	4.807-0	5.236-0	5.875-0	6.926-0	4.18	4.33	4.30	3.23
1	42	7.070-0	7.728-0	8.697-0	1.032+1	7.22	7.44	7.35	5.48
1	43	8.179-1	8.892-1	9.956-1	1.175-0	1.10	1.12	1.11	0.824
2	38	1.021-0	1.106-0	1.236-0	1.450-0	1.03	1.06	1.05	0.781
2	40	1.226-0	1.336-0	1.500-0	1.797-0	1.14	1.19	1.19	0.893
2	43	3.866-0	4.226-0	4.754-0	5.609-0	4.09	4.23	4.19	3.13
2	44	1.220-0	1.332-0	1.496-0	1.759-0	1.25	1.29	1.28	0.961
3	44	1.692-0	1.849-0	2.082-0	2.529-0	1.80	1.86	1.85	1.38
4	39	6.217-1	6.665-1	7.394-1	8.668-1	1.56	1.59	1.57	1.18
4	41	3.250-0	3.528-0	3.949-0	4.653-0	1.95	2.00	1.98	1.48
4	45	3.200-0	3.488-0	3.922-0	4.701-0	4.30	4.40	4.33	3.22
4	46	8.281-0	9.055-0	1.019+1	1.208+1	7.46	7.63	7.49	5.54
5	47	2.536-0	2.773-0	3.121-0	3.715-0	2.67	2.79	2.77	2.07