

Lifetimes_Intensities.xls

15	2	1.11E-03	0.04	2.98E+06	3.36E-07		
16	2	9.77E-04	0.04	2.62E+06	3.82E-07		
17	2	8.65E-04	0.03	2.32E+06	4.32E-07		
18	2	7.72E-04	0.03	2.07E+06	4.84E-07		
19	2	6.93E-04	0.02	1.85E+06	5.39E-07		
20	2	6.25E-04	0.02	1.67E+06	5.97E-07		
Paschen							
n1	n2						
4	3	6.94E-03	1.00	1.86E+07	5.38E-08		
5	3	4.44E-03	0.64	1.19E+07	8.40E-08		
6	3	3.09E-03	0.44	8.27E+06	1.21E-07		
7	3	2.27E-03	0.33	6.07E+06	1.65E-07		
8	3	1.74E-03	0.25	4.65E+06	2.15E-07		
9	3	1.37E-03	0.20	3.67E+06	2.72E-07		
10	3	1.11E-03	0.16	2.98E+06	3.36E-07		
11	3	9.18E-04	0.13	2.46E+06	4.07E-07		
12	3	7.72E-04	0.11	2.07E+06	4.84E-07		
13	3	6.57E-04	0.09	1.76E+06	5.68E-07		
14	3	5.67E-04	0.08	1.52E+06	6.59E-07		
15	3	4.94E-04	0.07	1.32E+06	7.56E-07		
15	3	4.94E-04	0.07	1.32E+06	7.56E-07		
17	3	3.84E-04	0.06	1.03E+06	9.71E-07		
18	3	3.43E-04	0.05	9.18E+05	1.09E-06		
19	3	3.08E-04	0.04	8.24E+05	1.21E-06		
20	3	2.78E-04	0.04	7.44E+05	1.34E-06		
Brackett							
n1	n2						
5	4	2.50E-03	1.00	6.70E+06	1.49E-07		
6	4	1.74E-03	0.69	4.65E+06	2.15E-07		
7	4	1.28E-03	0.51	3.42E+06	2.93E-07		
8	4	9.77E-04	0.39	2.62E+06	3.82E-07		
9	4	7.72E-04	0.31	2.07E+06	4.84E-07		
10	4	6.25E-04	0.25	1.67E+06	5.97E-07		
11	4	5.17E-04	0.21	1.38E+06	7.23E-07		
12	4	4.34E-04	0.17	1.16E+06	8.60E-07		

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13	4	3.70E-04	0.15	9.90E+05	1.01E-06		
14	4	3.19E-04	0.13	8.54E+05	1.17E-06		
15	4	2.78E-04	0.11	7.44E+05	1.34E-06		
15	4	2.78E-04	0.11	7.44E+05	1.34E-06		
17	4	2.16E-04	0.09	5.79E+05	1.73E-06		
18	4	1.93E-04	0.08	5.17E+05	1.94E-06		
19	4	1.73E-04	0.07	4.64E+05	2.16E-06		
20	4	1.56E-04	0.06	4.18E+05	2.39E-06		
Pfund							
n1	n2						
6	5	1.11E-03	1.00	2.98E+06	3.36E-07		
7	5	8.16E-04	0.73	2.19E+06	4.57E-07		
8	5	6.25E-04	0.56	1.67E+06	5.97E-07		
9	5	4.94E-04	0.44	1.32E+06	7.56E-07		
10	5	4.00E-04	0.36	1.07E+06	9.34E-07		
11	5	3.31E-04	0.30	8.85E+05	1.13E-06		
12	5	2.78E-04	0.25	7.44E+05	1.34E-06		
13	5	2.37E-04	0.21	6.34E+05	1.58E-06		
14	5	2.04E-04	0.18	5.47E+05	1.83E-06		
15	5	1.78E-04	0.16	4.76E+05	2.10E-06		
15	5	1.78E-04	0.16	4.76E+05	2.10E-06		
17	5	1.38E-04	0.12	3.71E+05	2.70E-06		
18	5	1.23E-04	0.11	3.31E+05	3.02E-06		
19	5	1.11E-04	0.10	2.97E+05	3.37E-06		
20	5	1.00E-04	0.09	2.68E+05	3.73E-06		
n>6 to n=6 series							
n1	n2						
7	6	5.67E-04	1.00	1.52E+06	6.59E-07		
8	6	4.34E-04	0.77	1.16E+06	8.60E-07		
9	6	3.43E-04	0.60	9.18E+05	1.09E-06		
10	6	2.78E-04	0.49	7.44E+05	1.34E-06		
11	6	2.30E-04	0.40	6.15E+05	1.63E-06		
12	6	1.93E-04	0.34	5.17E+05	1.94E-06		
13	6	1.64E-04	0.29	4.40E+05	2.27E-06		
14	6	1.42E-04	0.25	3.80E+05	2.63E-06		

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15	6	1.23E-04	0.22	3.31E+05	3.02E-06		
15	6	1.23E-04	0.22	3.31E+05	3.02E-06		
17	6	9.61E-05	0.17	2.57E+05	3.88E-06		
18	6	8.57E-05	0.15	2.30E+05	4.36E-06		
19	6	7.69E-05	0.14	2.06E+05	4.85E-06		
20	6	6.94E-05	0.12	1.86E+05	5.38E-06		
n1	n2						
8	7	3.19E-04	1.00	8.54E+05	1.17E-06		
9	7	2.52E-04	0.79	6.75E+05	1.48E-06		
10	7	2.04E-04	0.64	5.47E+05	1.83E-06		
11	7	1.69E-04	0.53	4.52E+05	2.21E-06		
12	7	1.42E-04	0.44	3.80E+05	2.63E-06		
13	7	1.21E-04	0.38	3.23E+05	3.09E-06		
14	7	1.04E-04	0.33	2.79E+05	3.59E-06		
15	7	9.07E-05	0.28	2.43E+05	4.12E-06		
15	7	9.07E-05	0.28	2.43E+05	4.12E-06		
17	7	7.06E-05	0.22	1.89E+05	5.29E-06		
18	7	6.30E-05	0.20	1.69E+05	5.93E-06		
19	7	5.65E-05	0.18	1.51E+05	6.61E-06		
20	7	5.10E-05	0.16	1.37E+05	7.32E-06		
n1	n2						
9	8	1.93E-04	1.00	5.17E+05	1.94E-06		
10	8	1.56E-04	0.81	4.18E+05	2.39E-06		
11	8	1.29E-04	0.67	3.46E+05	2.89E-06		
12	8	1.09E-04	0.56	2.91E+05	3.44E-06		
13	8	9.25E-05	0.48	2.48E+05	4.04E-06		
14	8	7.97E-05	0.41	2.13E+05	4.68E-06		
15	8	6.94E-05	0.36	1.86E+05	5.38E-06		
15	8	6.94E-05	0.36	1.86E+05	5.38E-06		
17	8	5.41E-05	0.28	1.45E+05	6.91E-06		
18	8	4.82E-05	0.25	1.29E+05	7.74E-06		
19	8	4.33E-05	0.22	1.16E+05	8.63E-06		

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20	8	3.91E-05	0.20	1.05E+05	9.56E-06		
n1	n2						
101	1	9.80E-05	1.00	2.63E+05	3.81E-06		
102	1	9.61E-05	0.98	2.57E+05	3.88E-06		
103	1	9.43E-05	0.96	2.52E+05	3.96E-06		
104	1	9.25E-05	0.94	2.48E+05	4.04E-06		
105	1	9.07E-05	0.93	2.43E+05	4.12E-06		
106	1	8.90E-05	0.91	2.38E+05	4.20E-06		
107	1	8.73E-05	0.89	2.34E+05	4.28E-06		
108	1	8.57E-05	0.87	2.30E+05	4.36E-06		
109	1	8.42E-05	0.86	2.25E+05	4.44E-06		
110	1	8.26E-05	0.84	2.21E+05	4.52E-06		
n1	n2						
101	100	9.80E-09	1.00	2.63E+01	3.81E-02		
102	100	9.61E-09	0.98	2.57E+01	3.88E-02		
103	100	9.43E-09	0.96	2.52E+01	3.96E-02		
104	100	9.25E-09	0.94	2.48E+01	4.04E-02		
105	100	9.07E-09	0.93	2.43E+01	4.12E-02		
106	100	8.90E-09	0.91	2.38E+01	4.20E-02		
107	100	8.73E-09	0.89	2.34E+01	4.28E-02		
108	100	8.57E-09	0.87	2.30E+01	4.36E-02		
109	100	8.42E-09	0.86	2.25E+01	4.44E-02		
110	100	8.26E-09	0.84	2.21E+01	4.52E-02		
n1	n2						
501	1	3.98E-06	1.00	1.07E+04	9.37E-05		
502	1	3.97E-06	1.00	1.06E+04	9.41E-05		
503	1	3.95E-06	0.99	1.06E+04	9.45E-05		
504	1	3.94E-06	0.99	1.05E+04	9.49E-05		
505	1	3.92E-06	0.98	1.05E+04	9.52E-05		
506	1	3.91E-06	0.98	1.05E+04	9.56E-05		
507	1	3.89E-06	0.98	1.04E+04	9.60E-05		

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508	1	3.88E-06	0.97	1.04E+04	9.64E-05		
509	1	3.86E-06	0.97	1.03E+04	9.67E-05		
510	1	3.84E-06	0.97	1.03E+04	9.71E-05		
n1	n2						
501	100	3.98E-10	1.00	1.07E+00	9.37E-01		
502	100	3.97E-10	1.00	1.06E+00	9.41E-01		
503	100	3.95E-10	0.99	1.06E+00	9.45E-01		
504	100	3.94E-10	0.99	1.05E+00	9.49E-01		
505	100	3.92E-10	0.98	1.05E+00	9.52E-01		
506	100	3.91E-10	0.98	1.05E+00	9.56E-01		
507	100	3.89E-10	0.98	1.04E+00	9.60E-01		
508	100	3.88E-10	0.97	1.04E+00	9.64E-01		
509	100	3.86E-10	0.97	1.03E+00	9.67E-01		
510	100	3.84E-10	0.97	1.03E+00	9.71E-01		
n1	n2						
501	500	1.59E-11	1.00	4.27E-02	2.34E+01		
502	500	1.59E-11	1.00	4.25E-02	2.35E+01		
503	500	1.58E-11	0.99	4.23E-02	2.36E+01		
504	500	1.57E-11	0.99	4.22E-02	2.37E+01		
505	500	1.57E-11	0.98	4.20E-02	2.38E+01		
506	500	1.56E-11	0.98	4.18E-02	2.39E+01		
507	500	1.56E-11	0.98	4.17E-02	2.40E+01		
508	500	1.55E-11	0.97	4.15E-02	2.41E+01		
509	500	1.54E-11	0.97	4.13E-02	2.42E+01		
510	500	1.54E-11	0.97	4.12E-02	2.43E+01		
n1	n2			Exp			
4	2	1.56E-02	2.25	2.6			
4	3	6.94E-03					
5	2	1.00E-02	2.25	2.5			
5	3	4.44E-03					
6	2	6.94E-03	2.25	2			

6	3	3.09E-03					
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