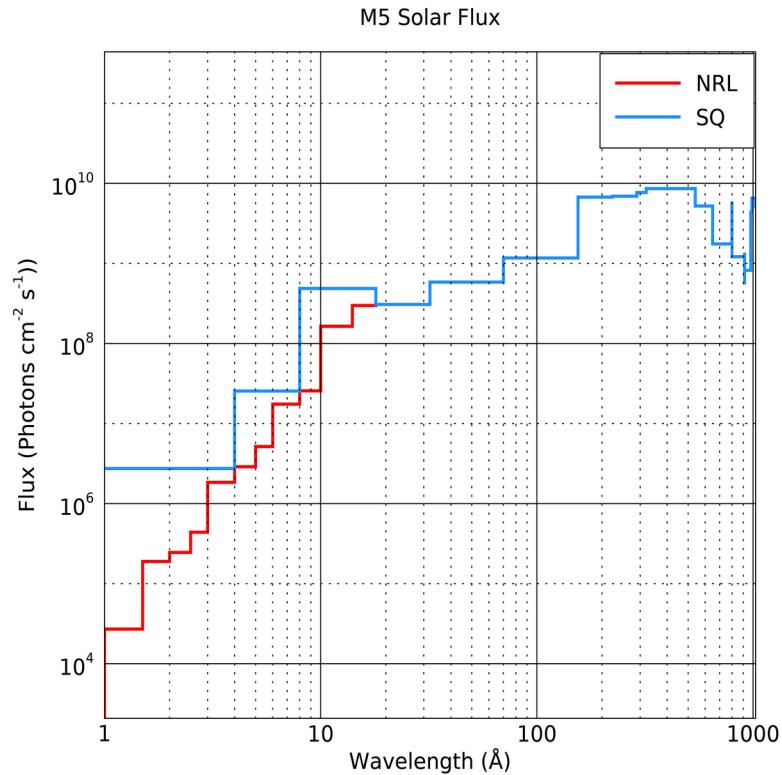
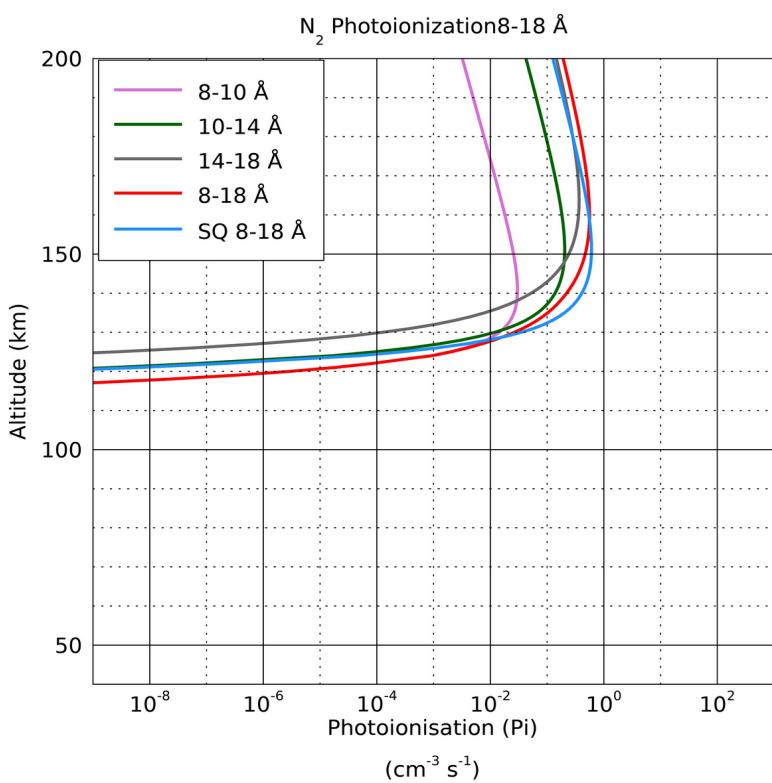
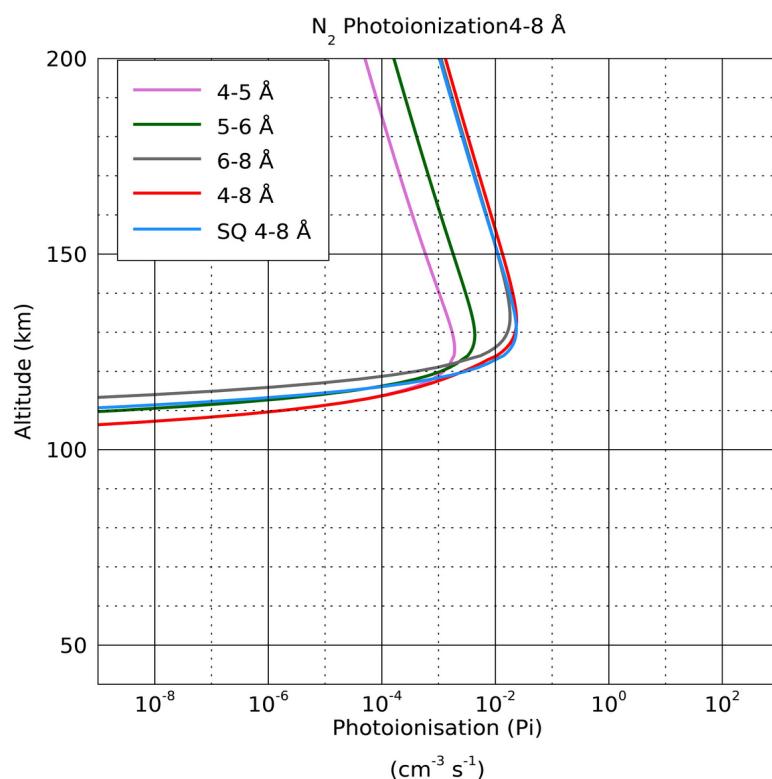
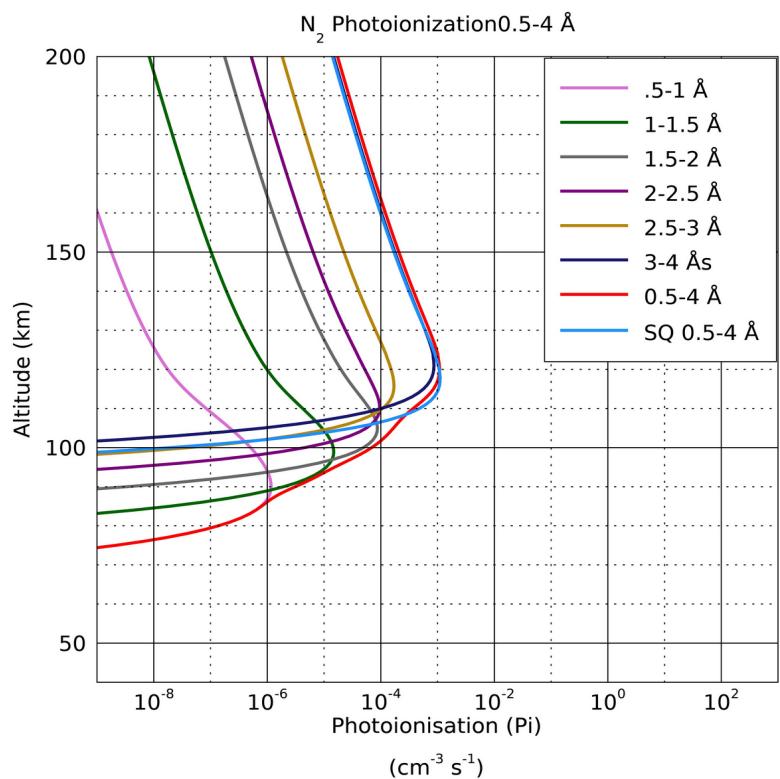


Absorption Cross-sections (1.e-18 cm²)

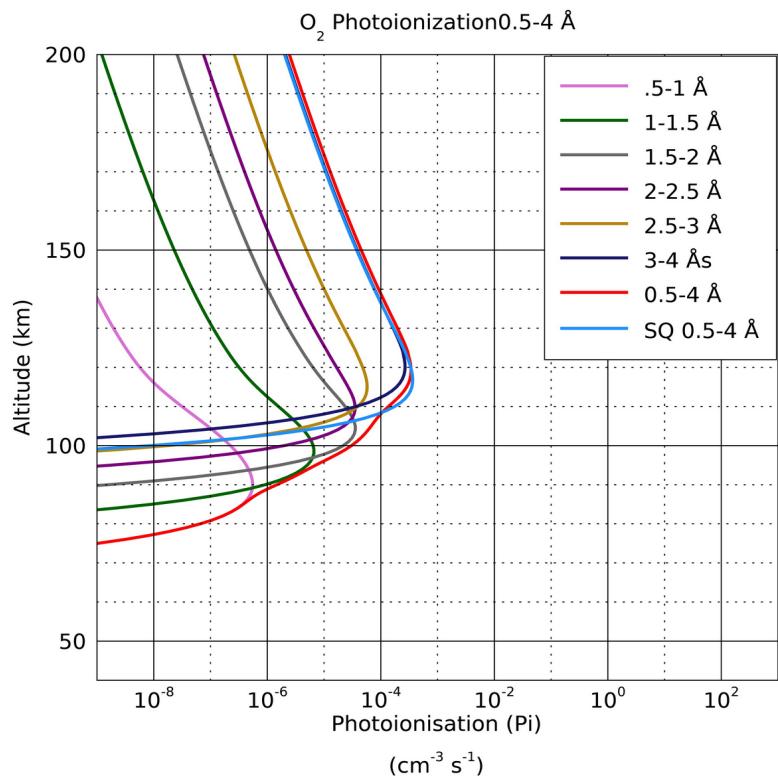
	wave_low	wave_hi	O	O ₂	N ₂
0	0.5	1.0	3.10616e-05	6.21232e-05	6.21232e-05
1	1.0	1.5	0.000136550	0.000273099	0.000273099
2	1.5	2.0	0.000416282	0.000832564	0.000832564
3	2.0	2.5	0.000937490	0.00187498	0.00187498
4	2.5	3.0	0.00183139	0.00366278	0.00366278
5	3.0	4.0	0.00347342	0.00694684	0.00694684
6	4.0	5.0	0.00747799	0.0149560	0.0149560
7	5.0	6.0	0.0132881	0.0265763	0.0265763
8	6.0	8.0	0.0262560	0.0525121	0.0525121
9	8.0	10.0	0.0524707	0.104941	0.104941
10	10.0	14.0	0.112422	0.224844	0.224844
11	14.0	18.0	0.235676	0.471352	0.471352

M5_data

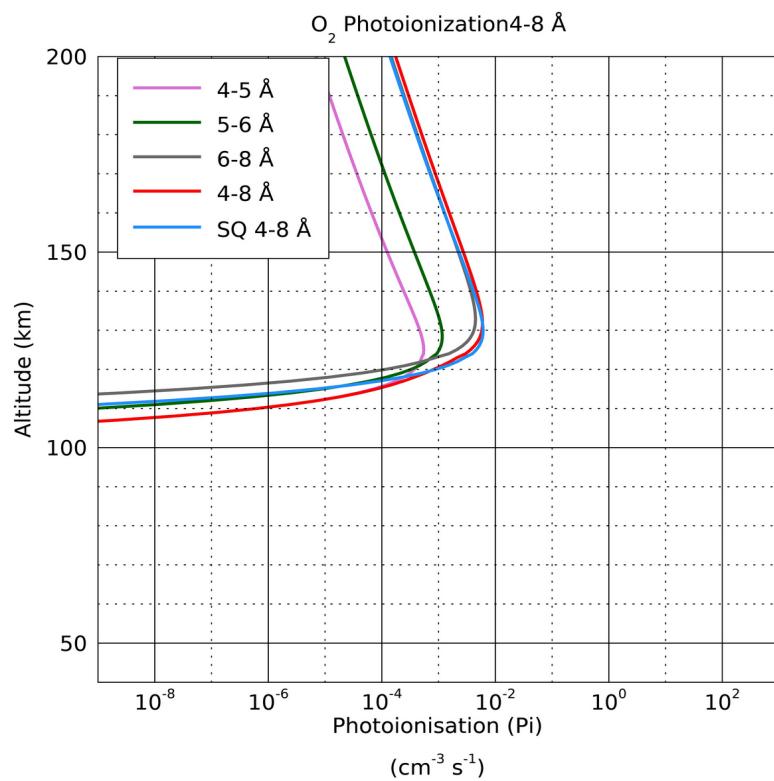




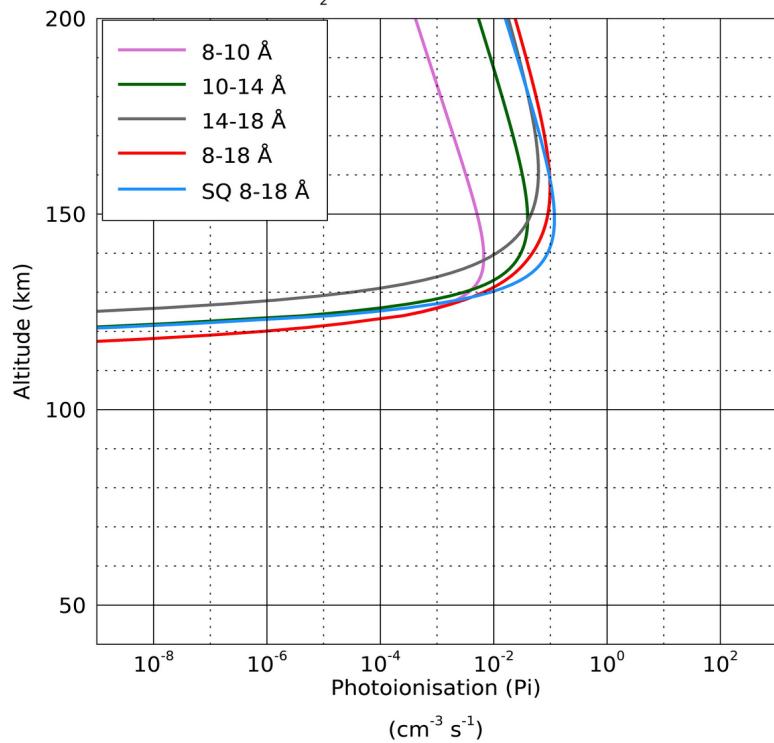
O₂ Photoionization 0.5-4 Å



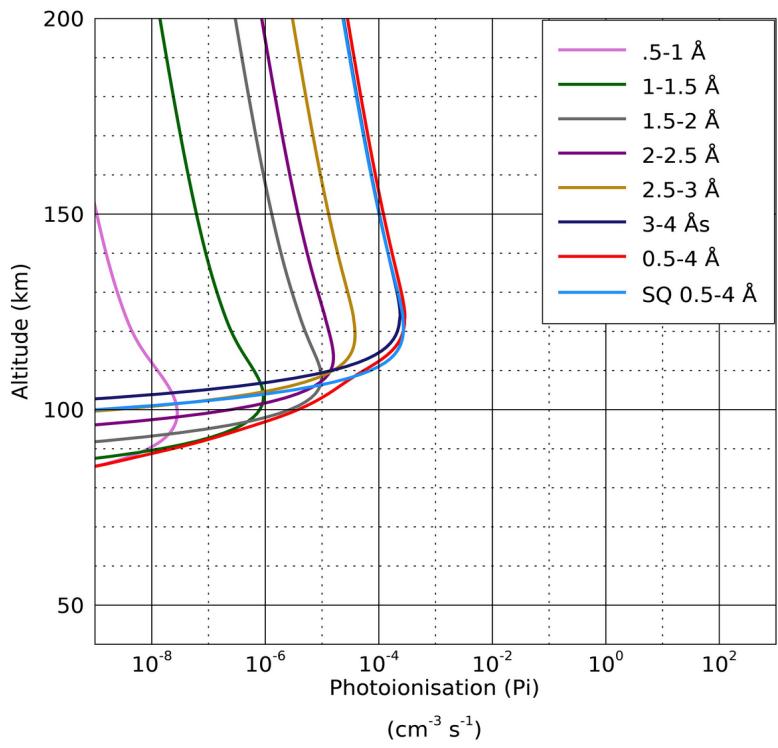
O₂ Photoionization 4-8 Å



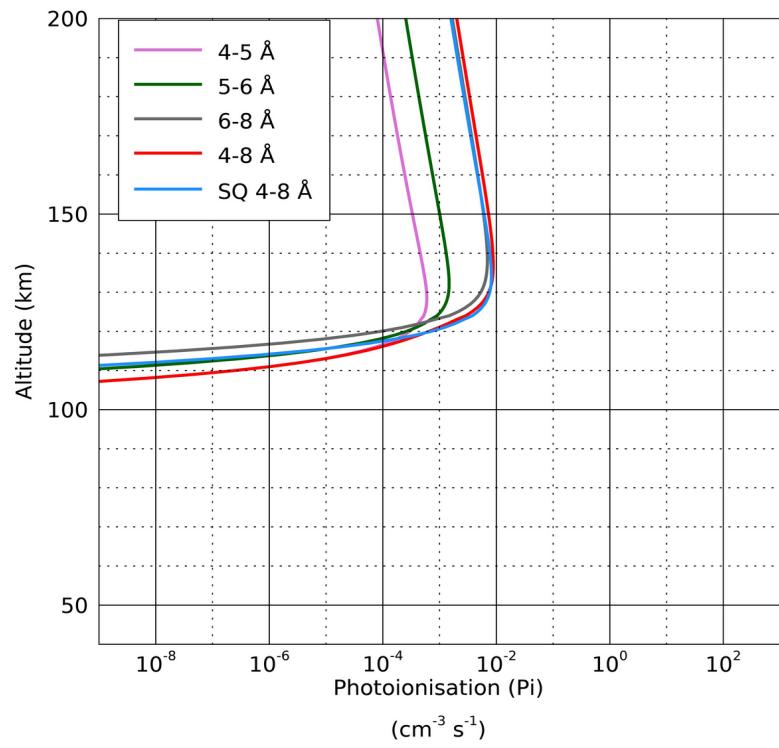
O₂ Photoionization 8-18 Å



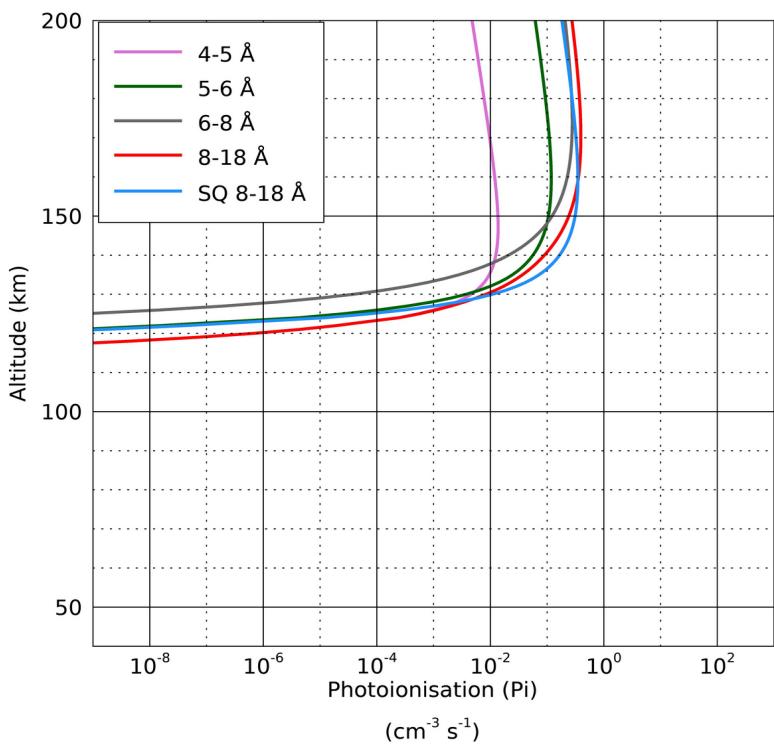
O Photoionization 0.5-4 Å



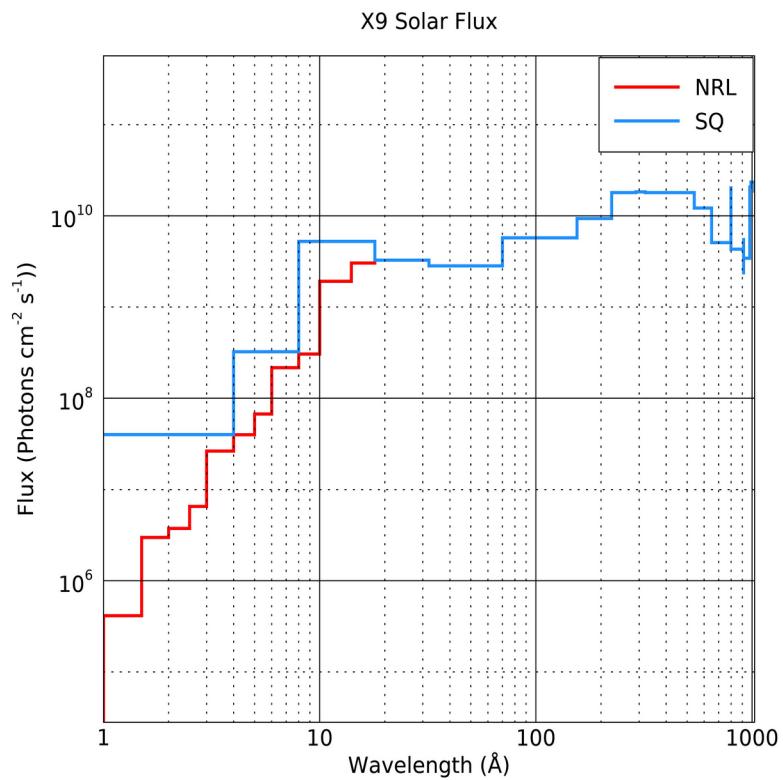
O Photoionization 4-8 Å

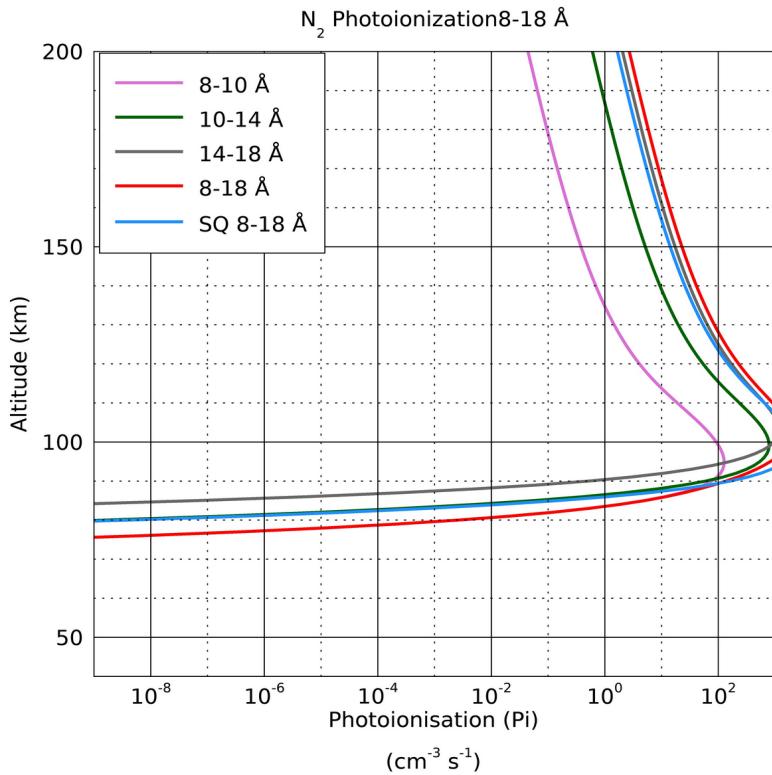
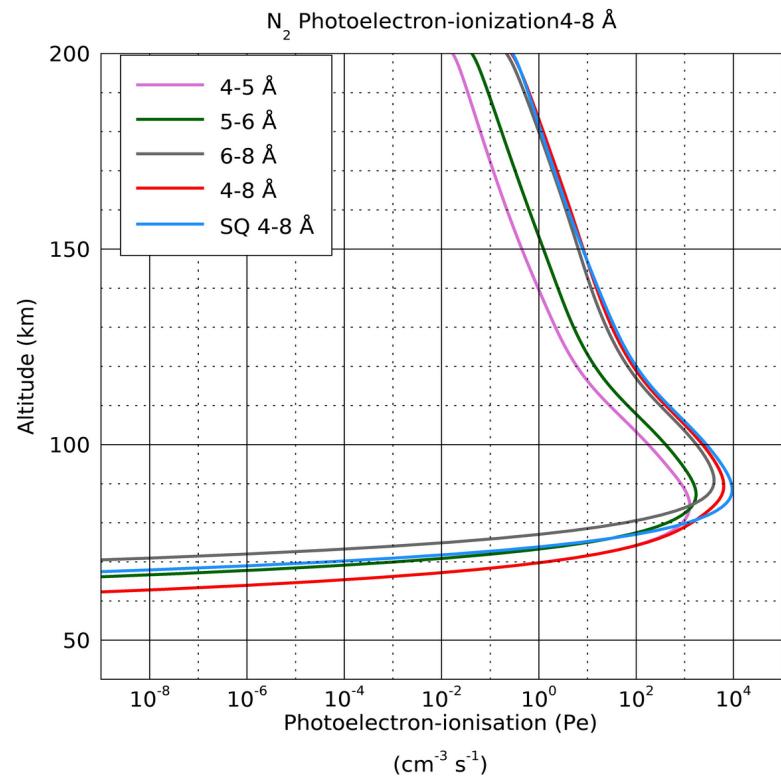
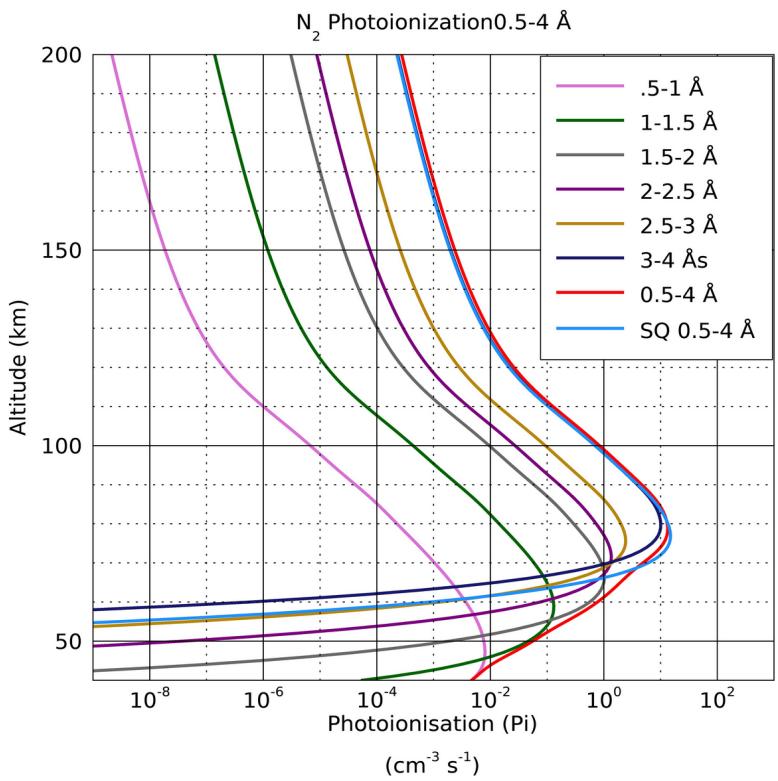


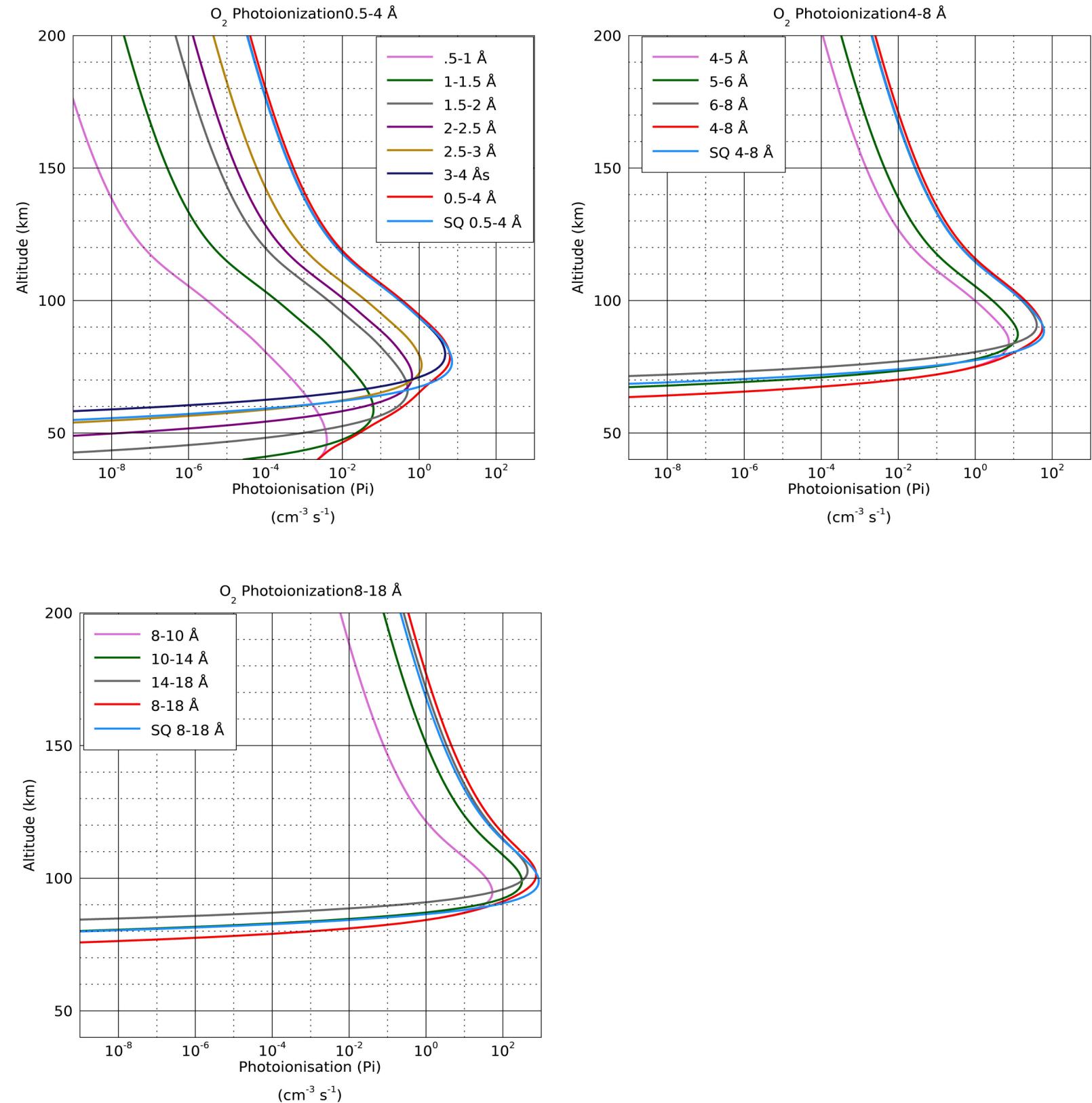
O Photoionization 8-18 Å



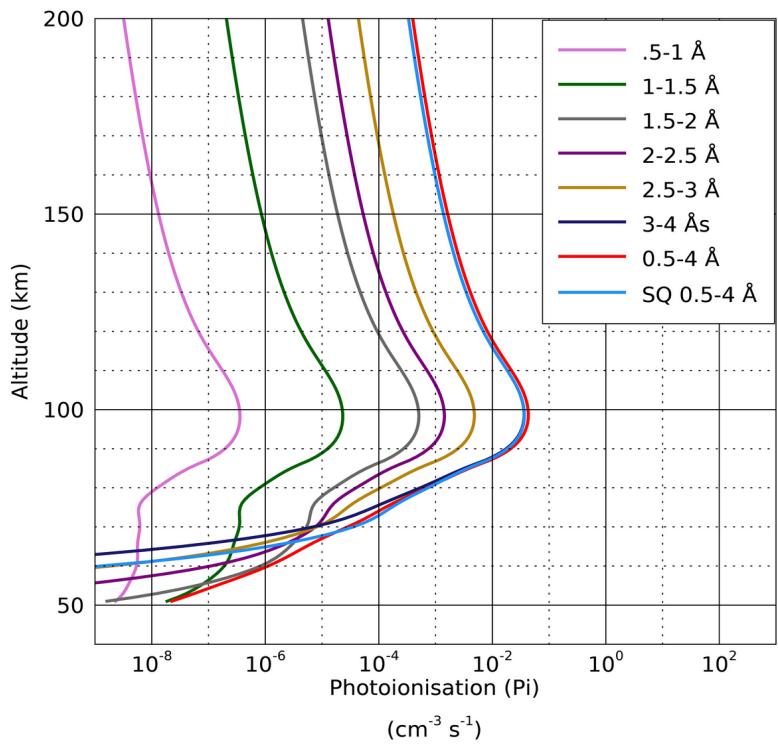
X9 Data



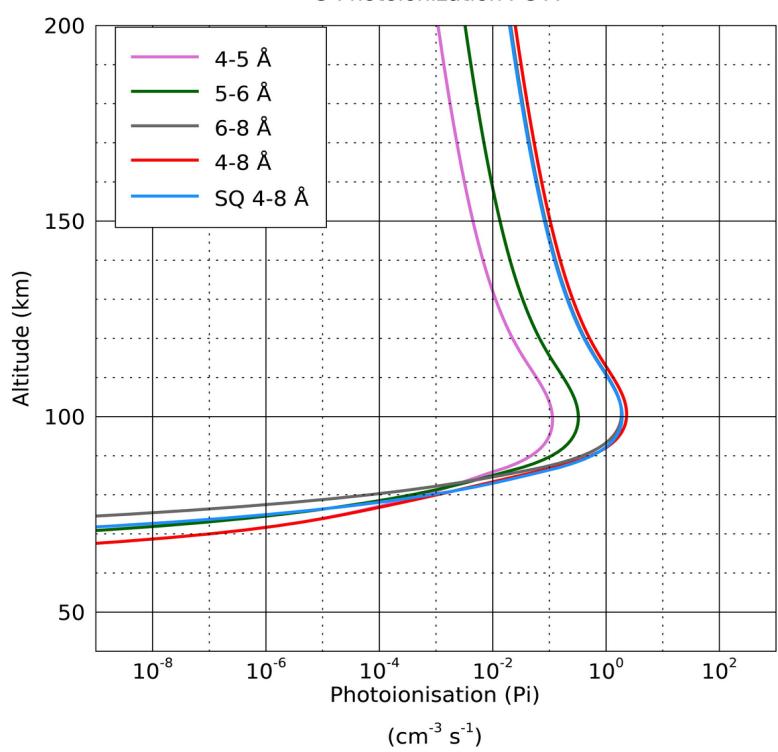




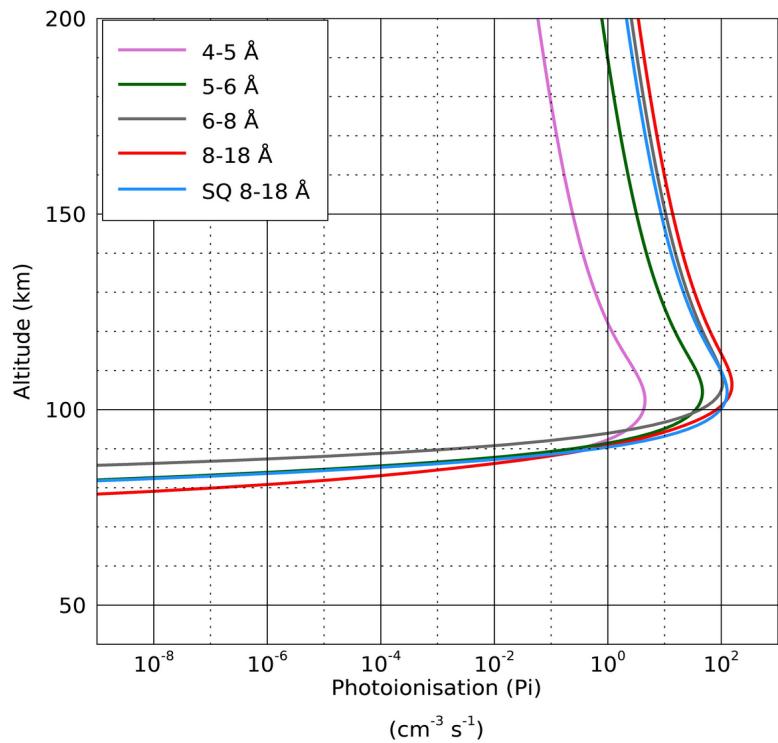
O Photoionization 0.5-4 Å



O Photoionization 4-8 Å

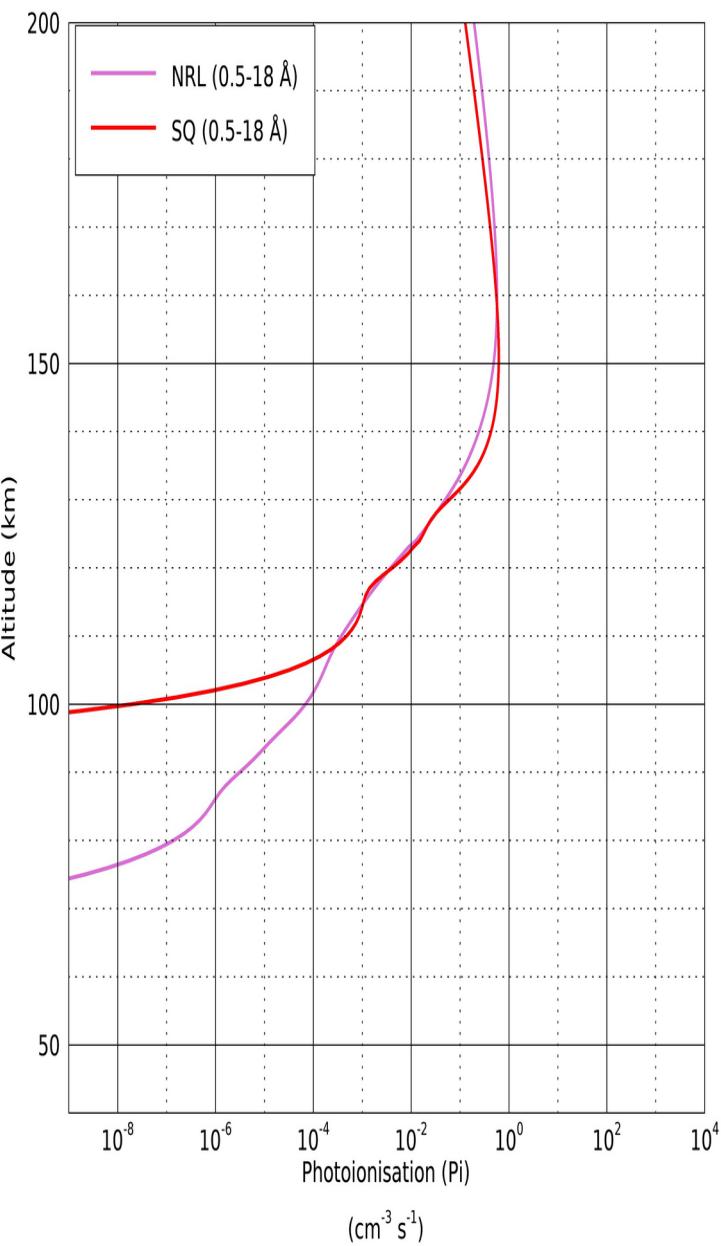


O Photoionization 8-18 Å

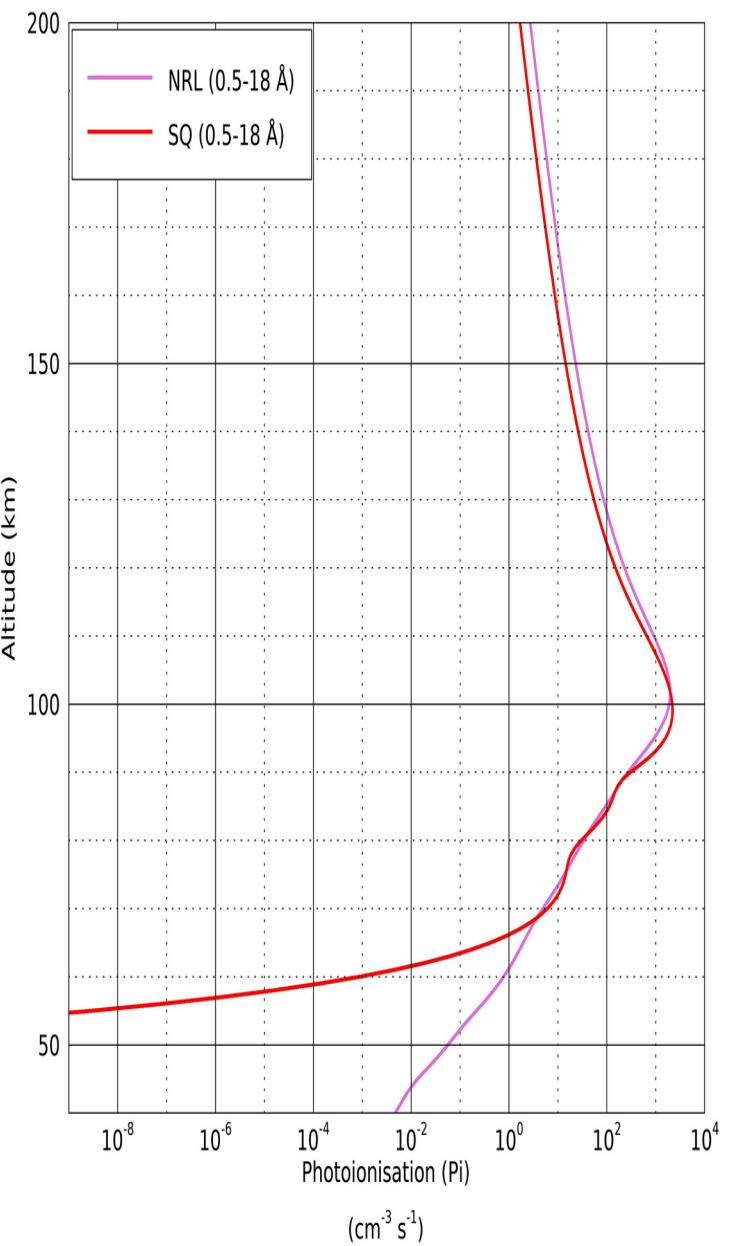


Comparisons of the new NRL bins with 3 bins of SQ

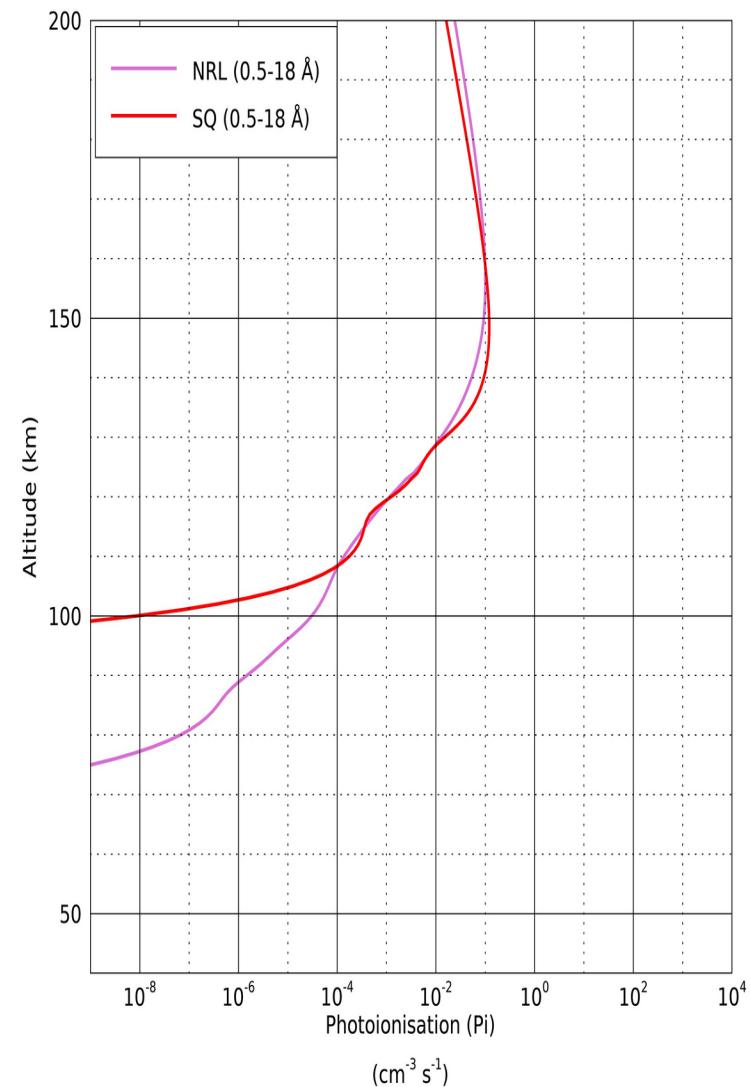
M5 flare - N_2 Photoionization



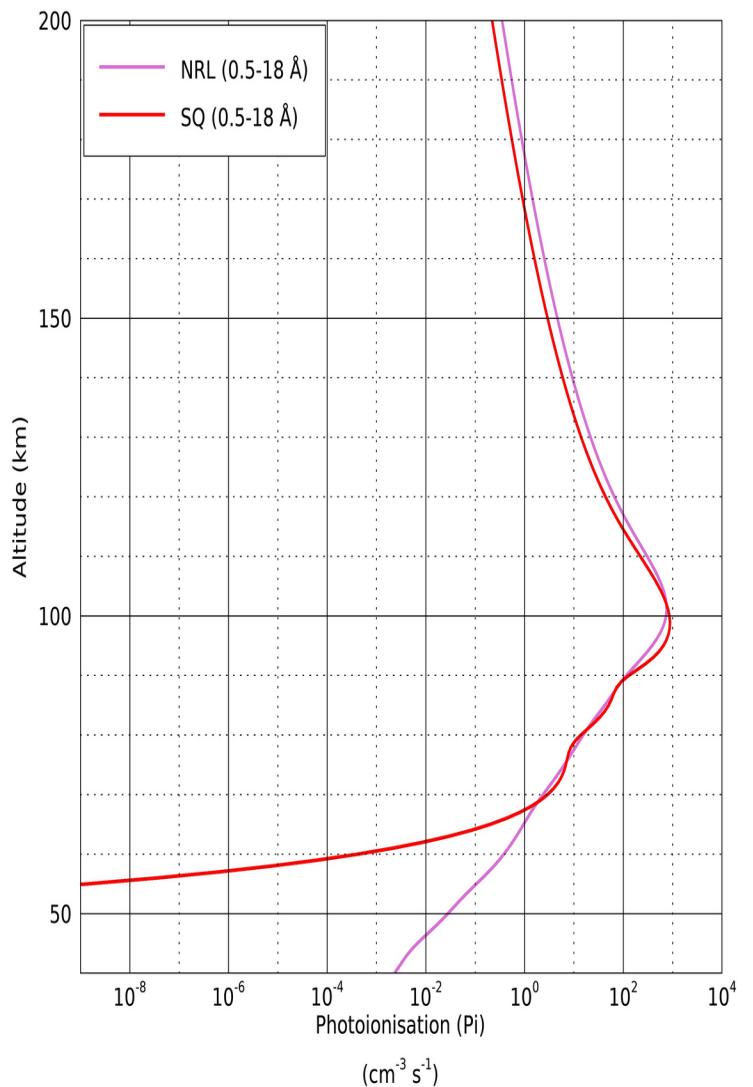
X9 flare - N_2 Photoionization



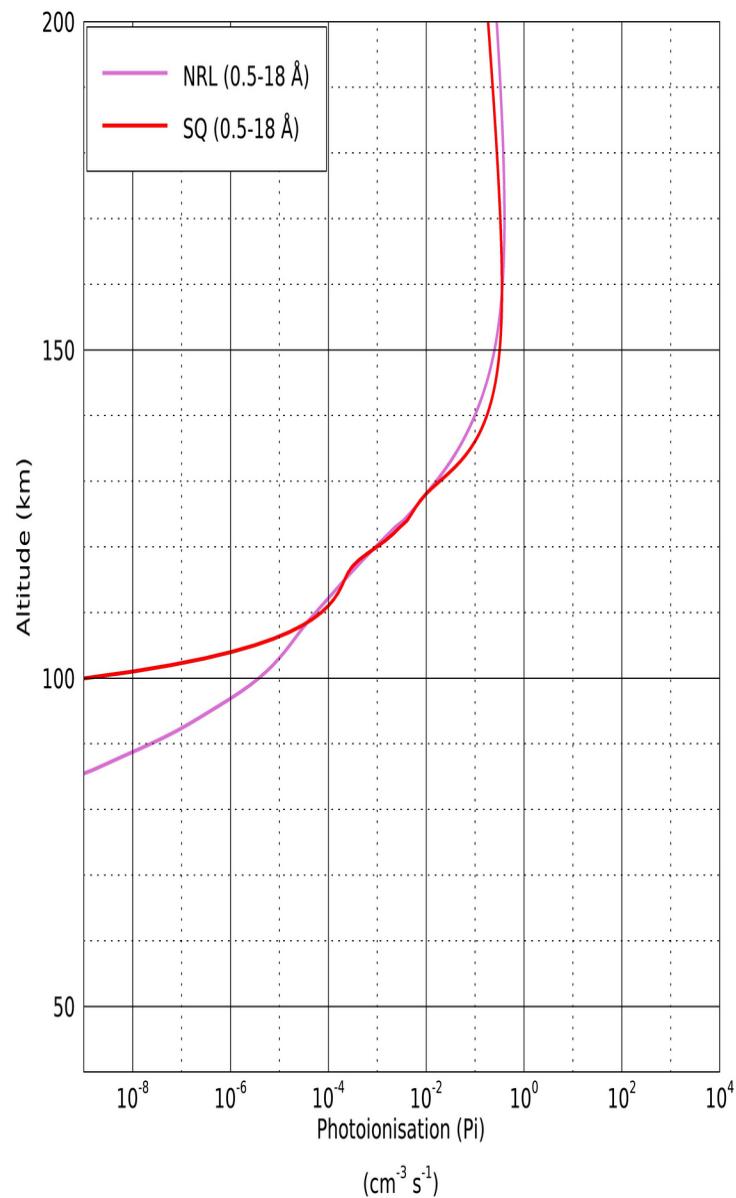
M5 flare -O₂ Photoionization



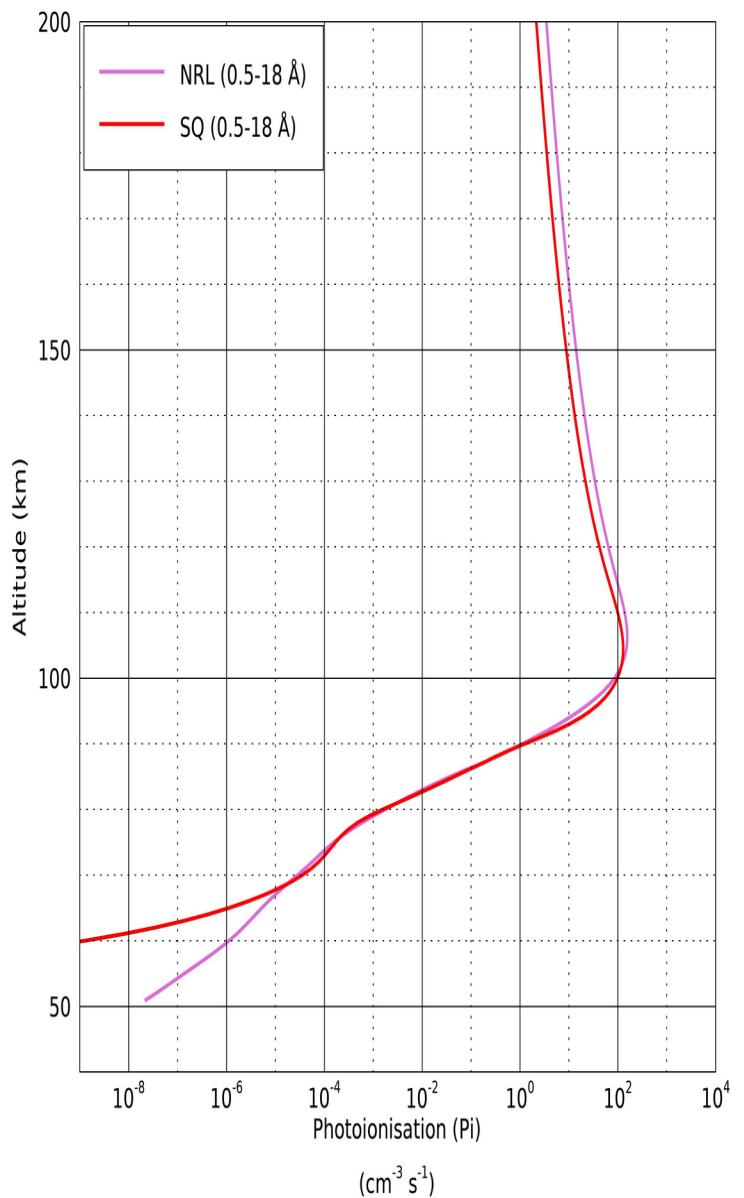
X9 flare -O₂ Photoionization



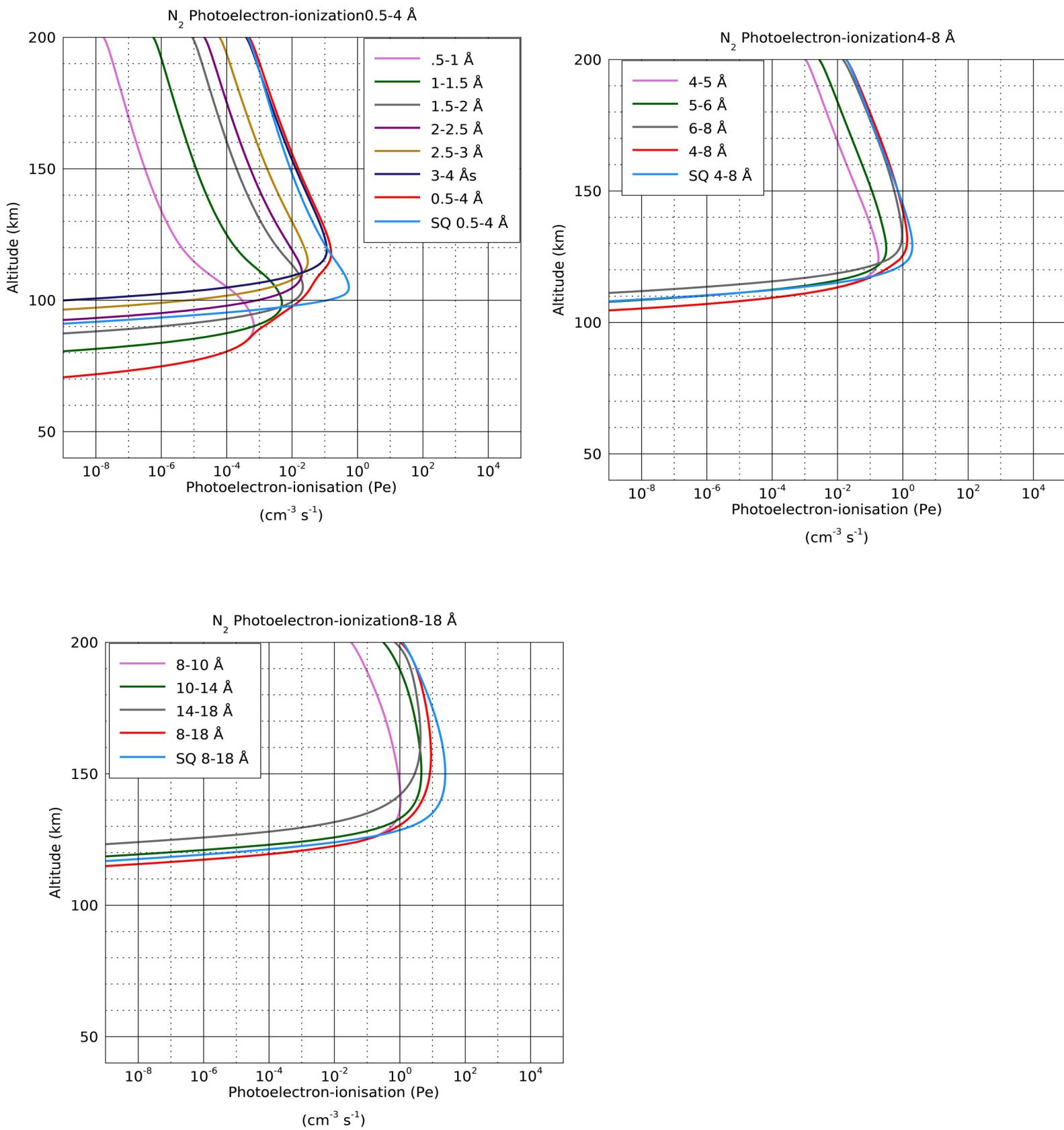
M5 flare -O Photoionization

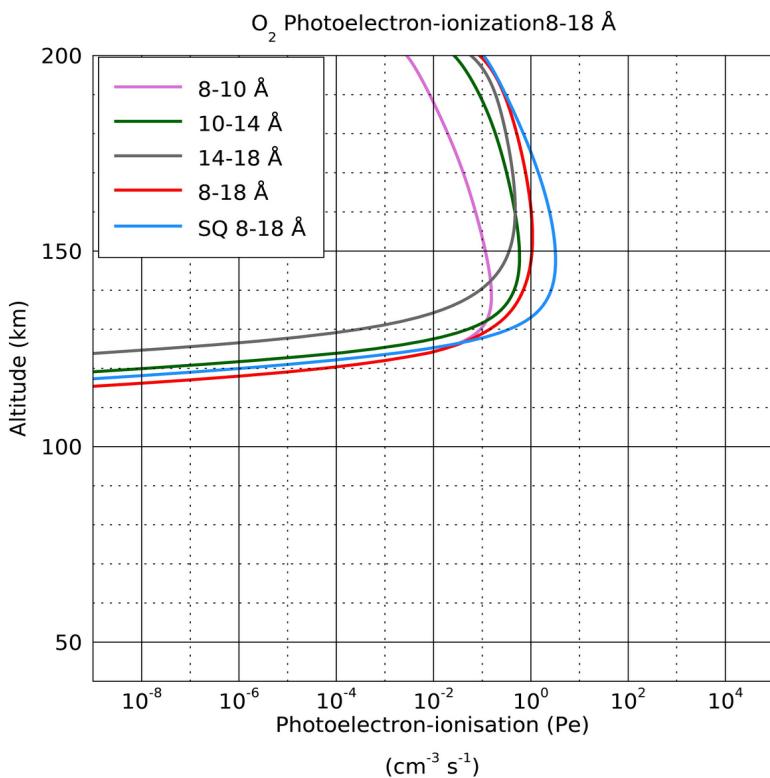
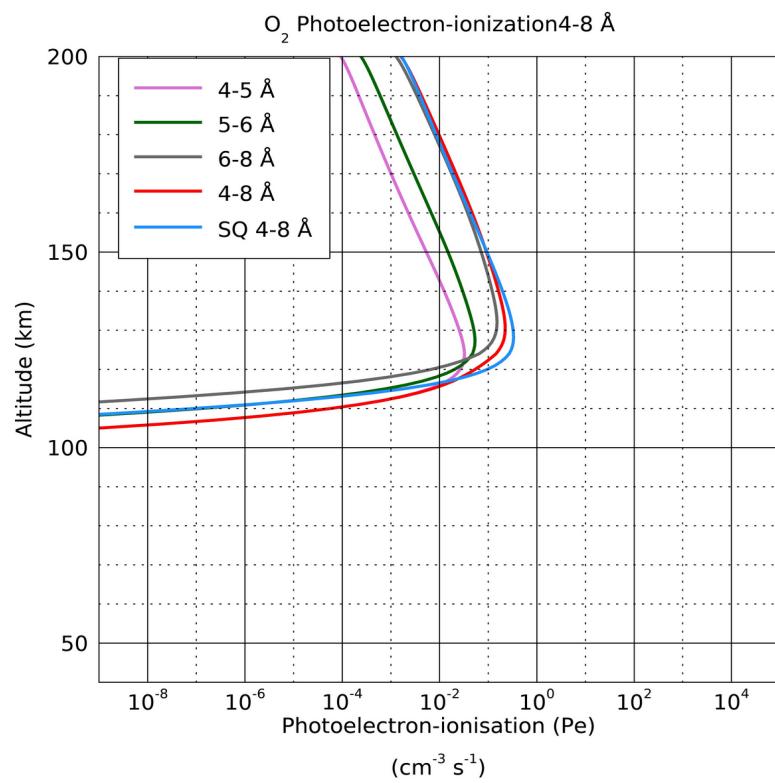
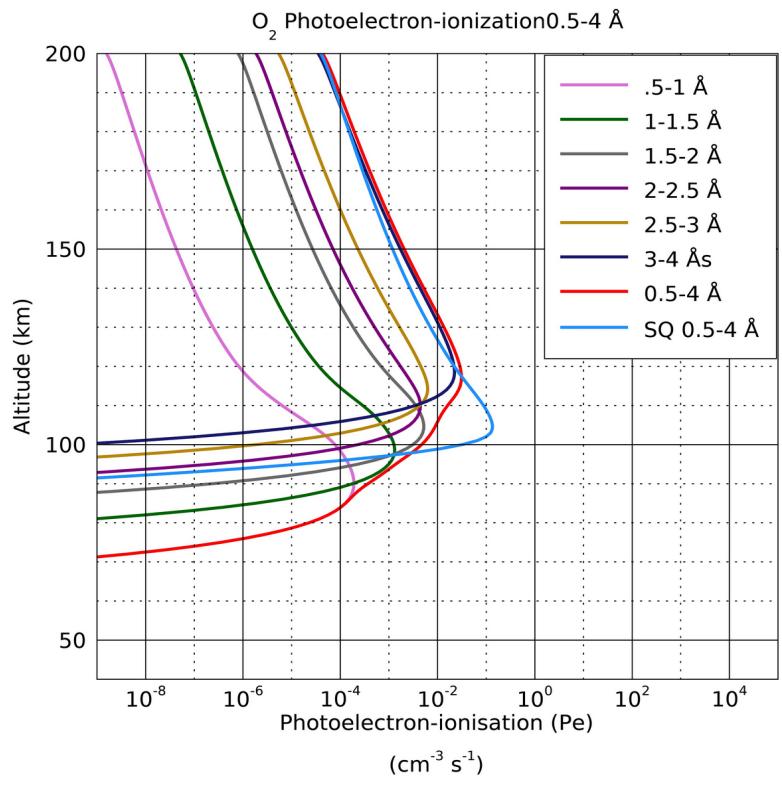


X9 flare -O Photolionization

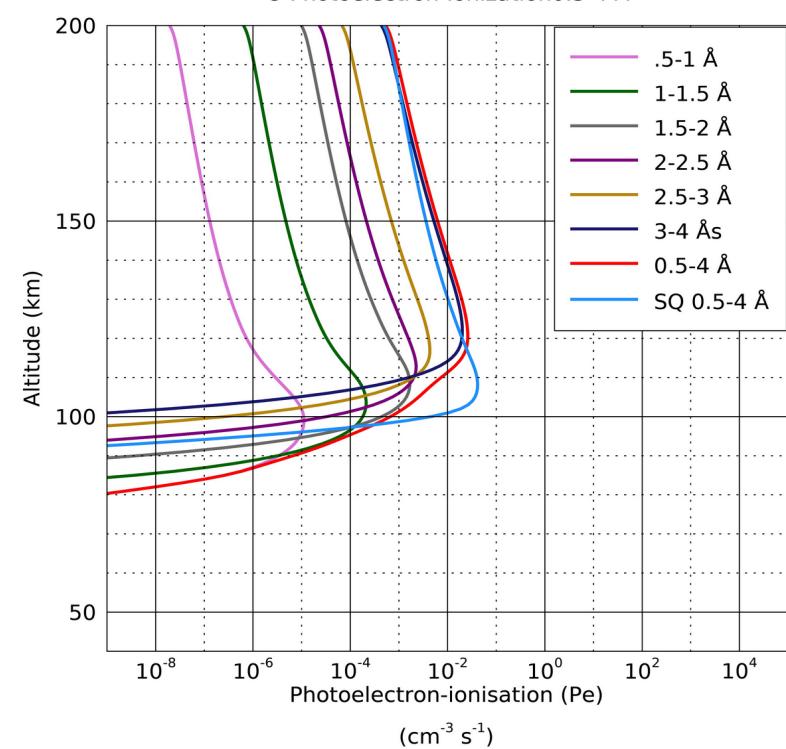


M5 flare

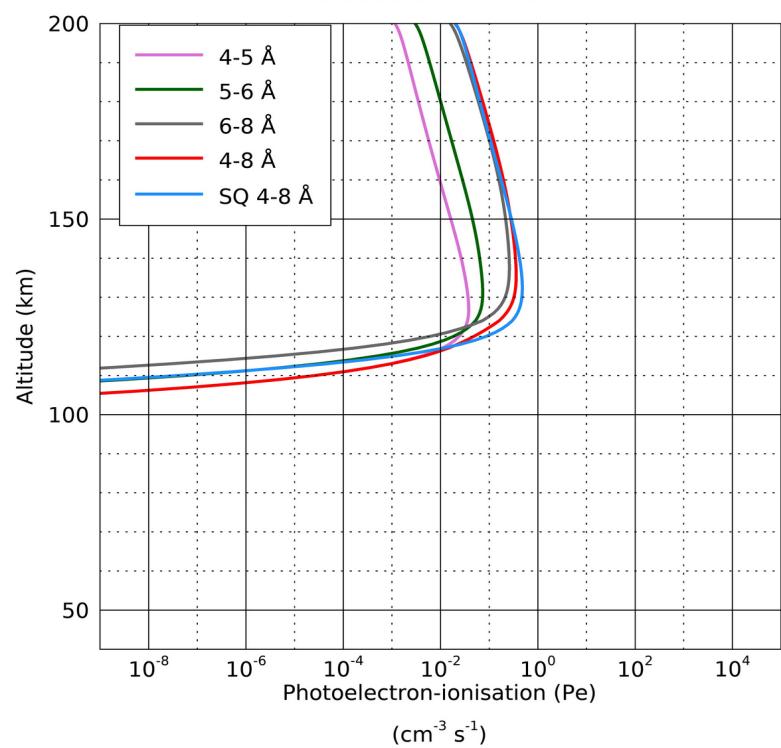




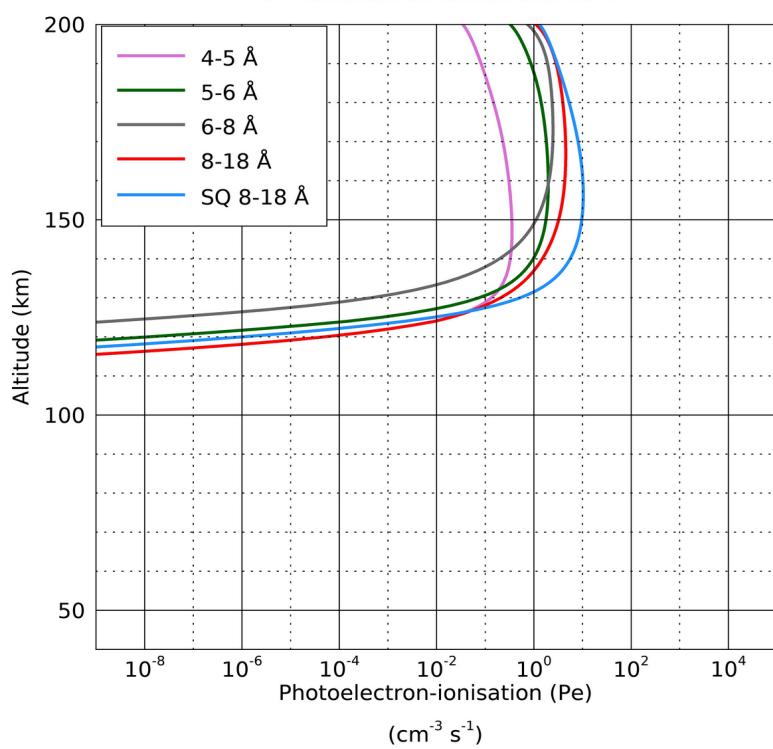
O Photoelectron-ionization0.5-4 Å



O Photoelectron-ionization4-8 Å

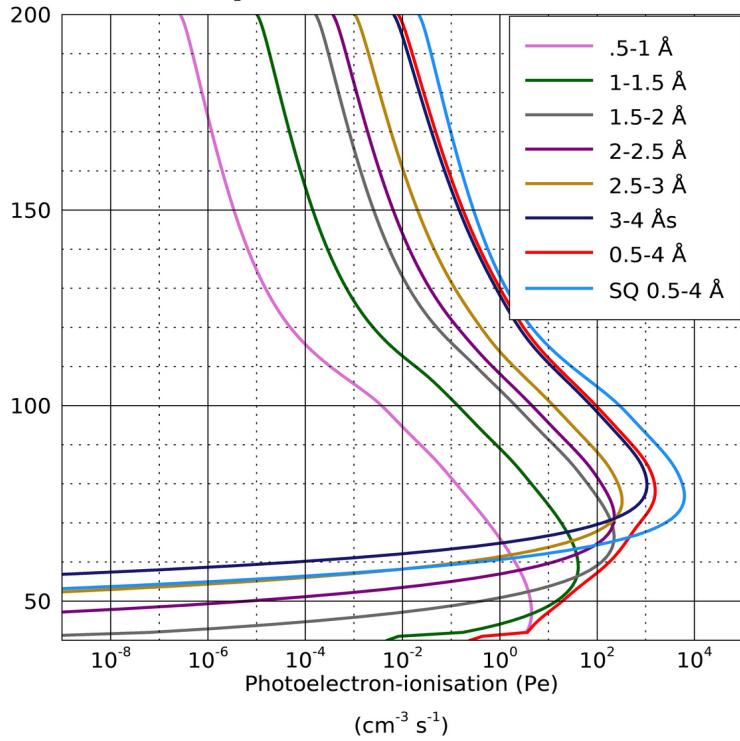


O Photoelectron-ionization8-18 Å

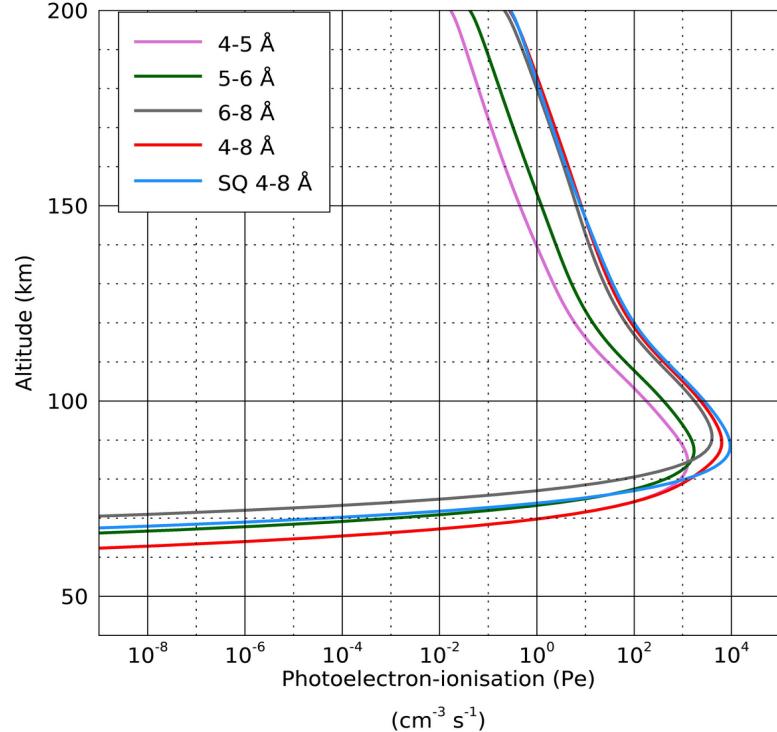


X9 Flare

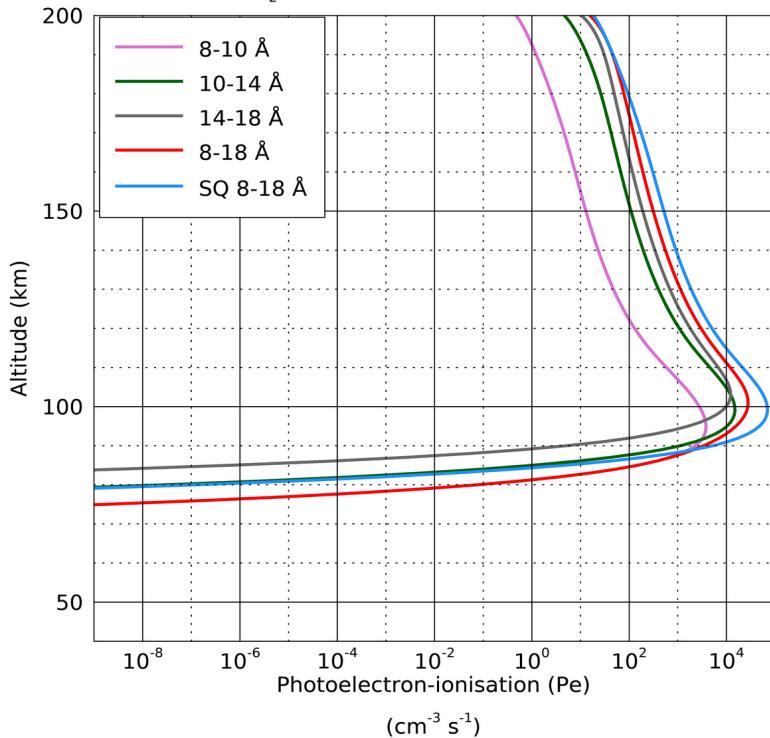
N_2 Photoelectron-ionization 0.5-4 Å

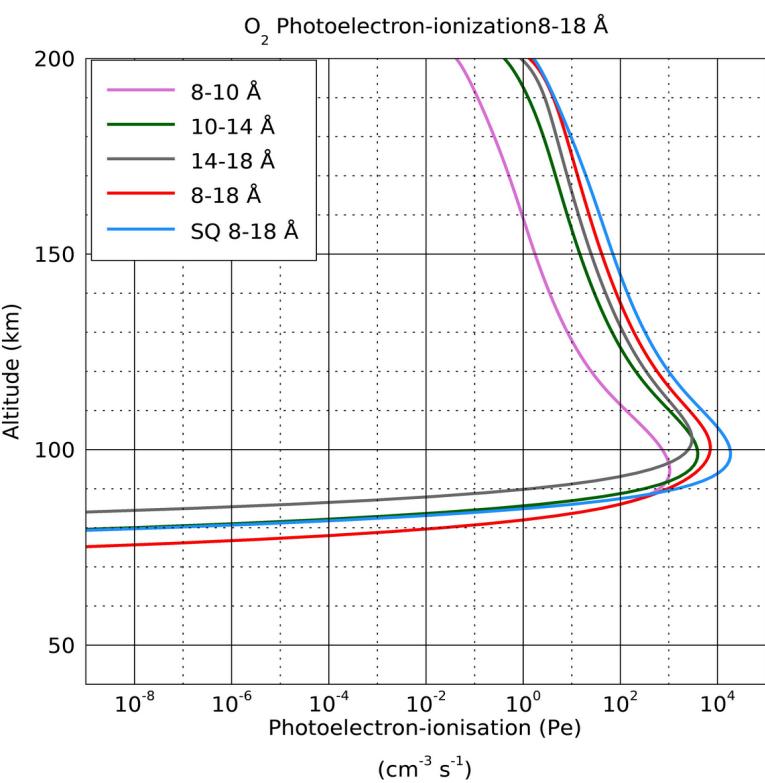
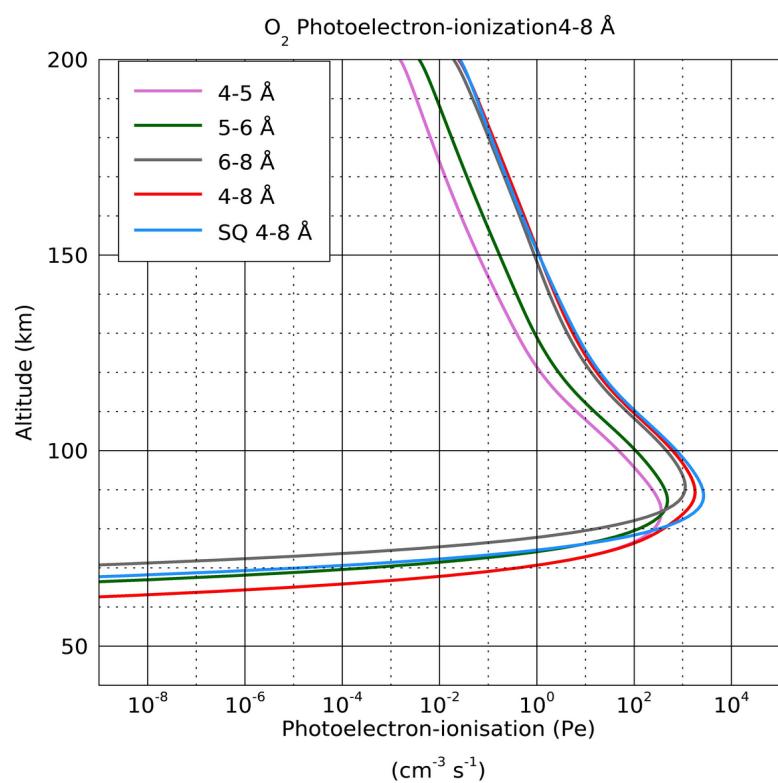
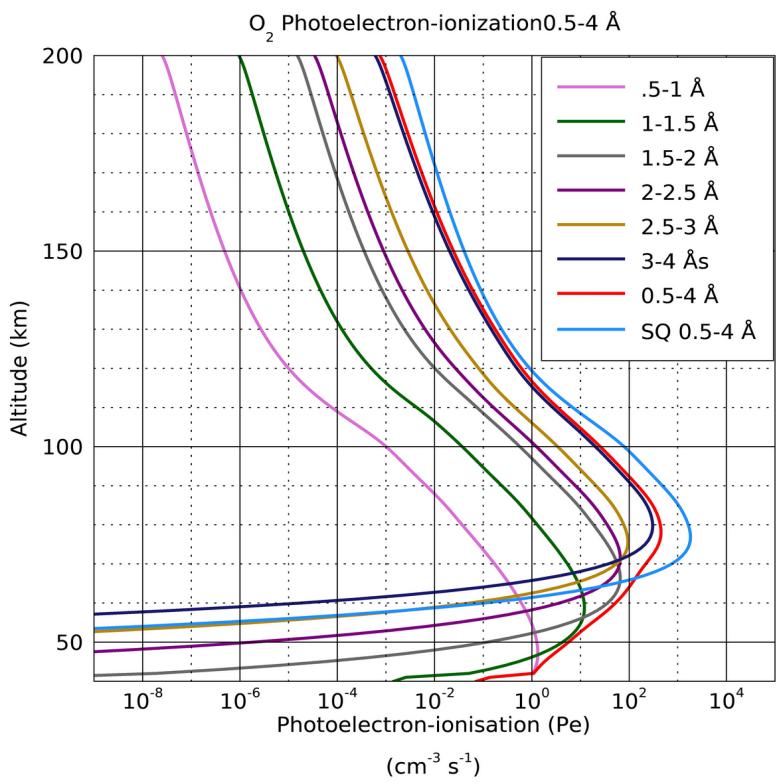


N_2 Photoelectron-ionization 4-8 Å

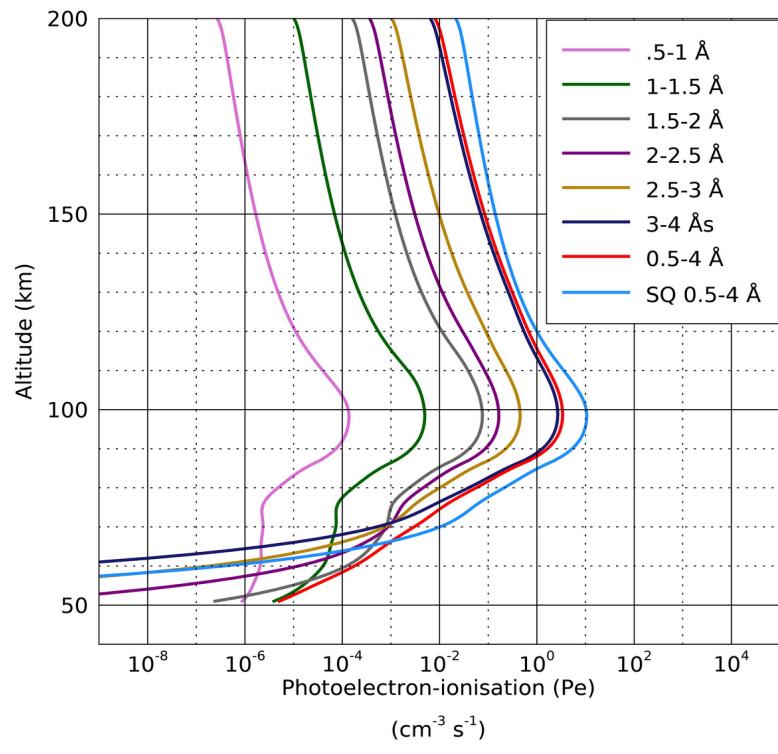


N_2 Photoelectron-ionization 8-18 Å

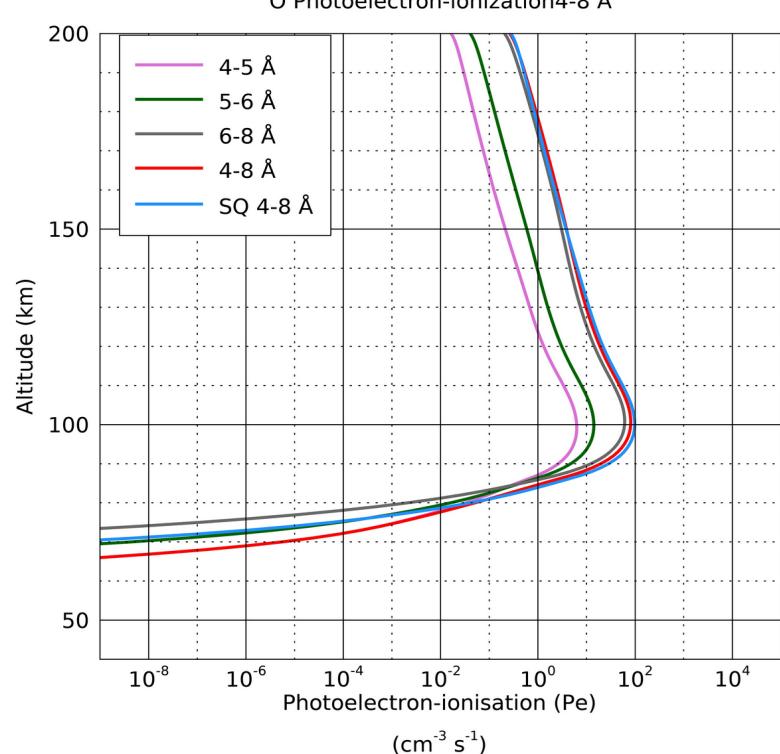




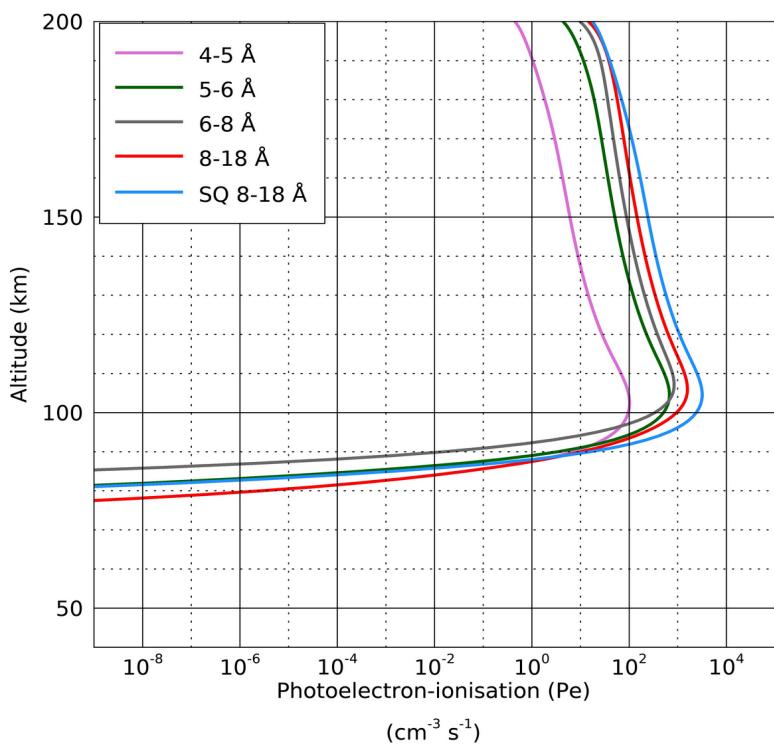
O Photoelectron-ionization 0.5-4 Å



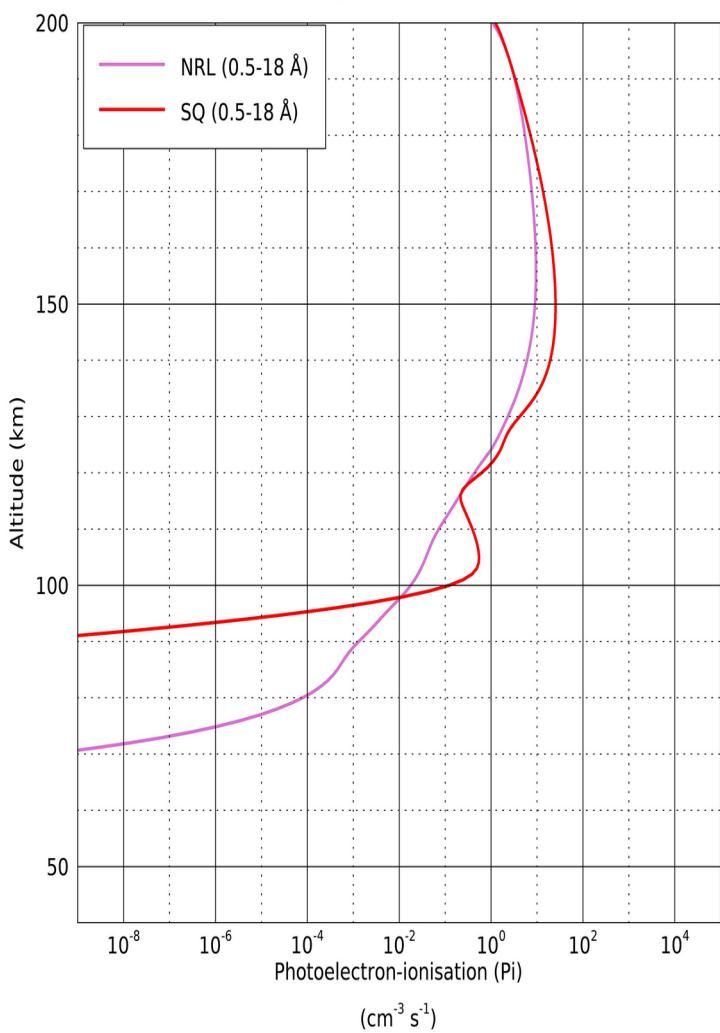
O Photoelectron-ionization 4-8 Å



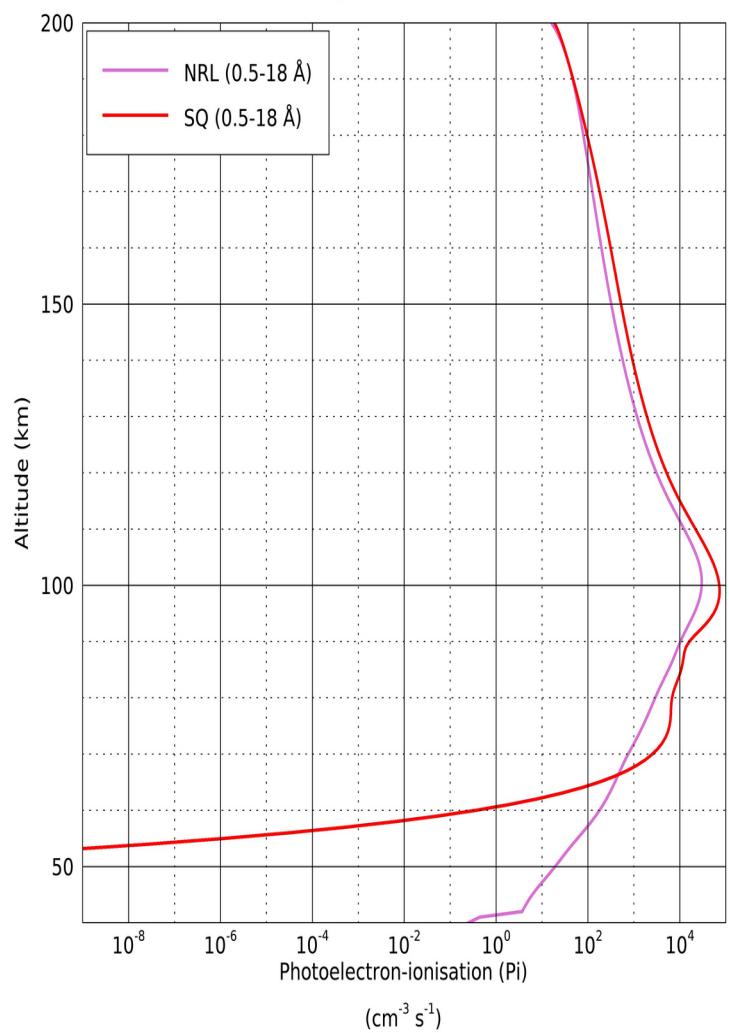
O Photoelectron-ionization 8-18 Å



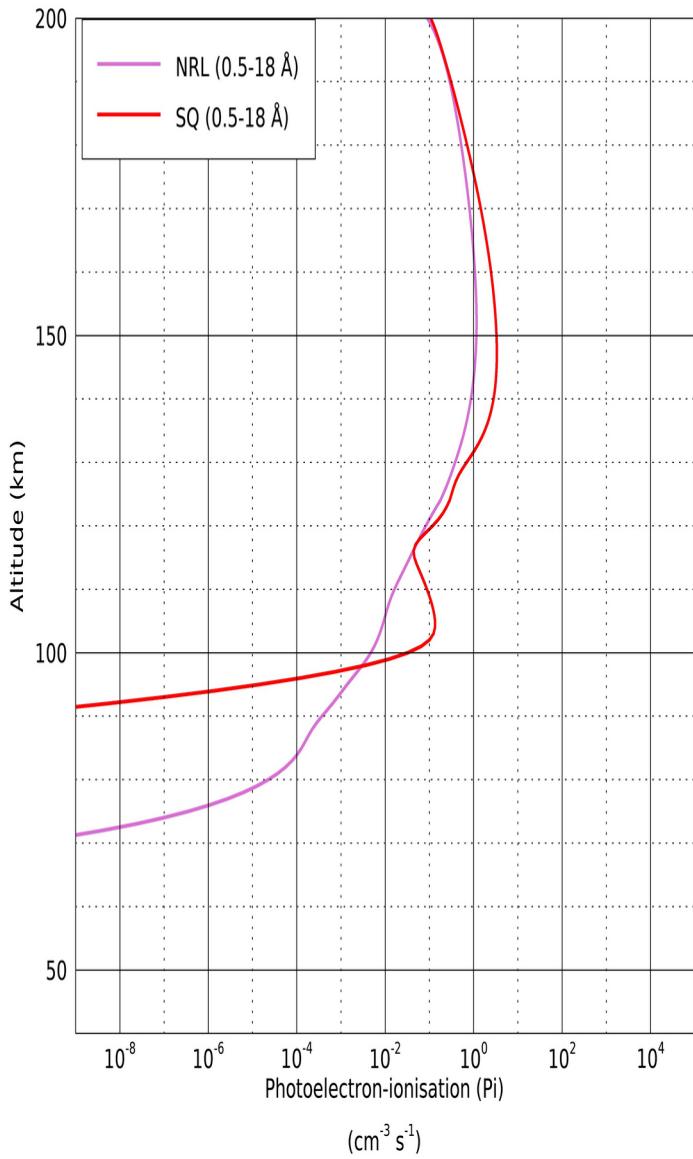
M5 flare -N₂ Photoelectron-ionization



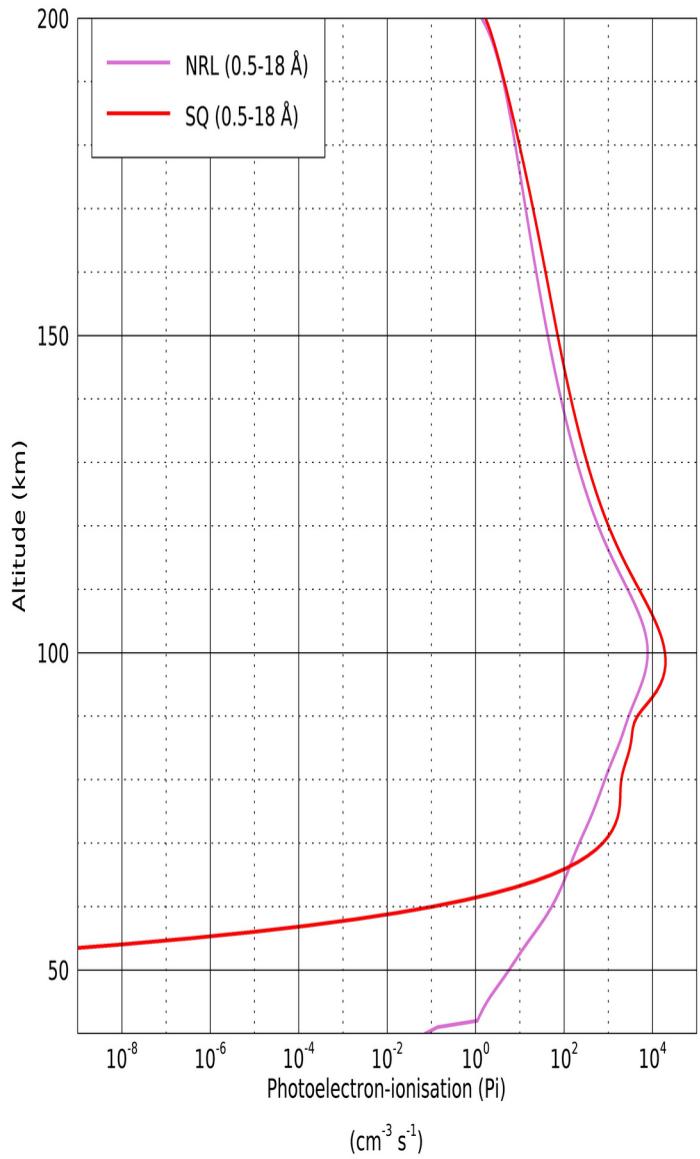
X9 flare -N₂ Photoelectron-ionization



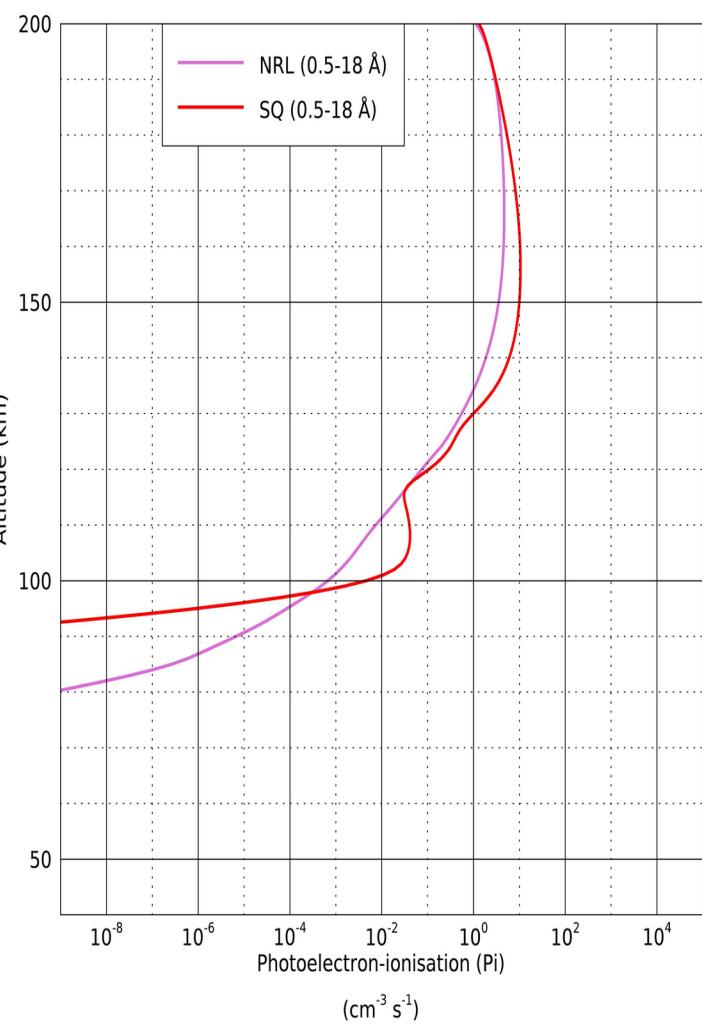
M5 flare -O₂ Photoelectron-ionization



X9 flare -O₂ Photoelectron-ionization



M5 flare -O Photoelectron-ionization



X9 flare -O Photoelectron-ionization

