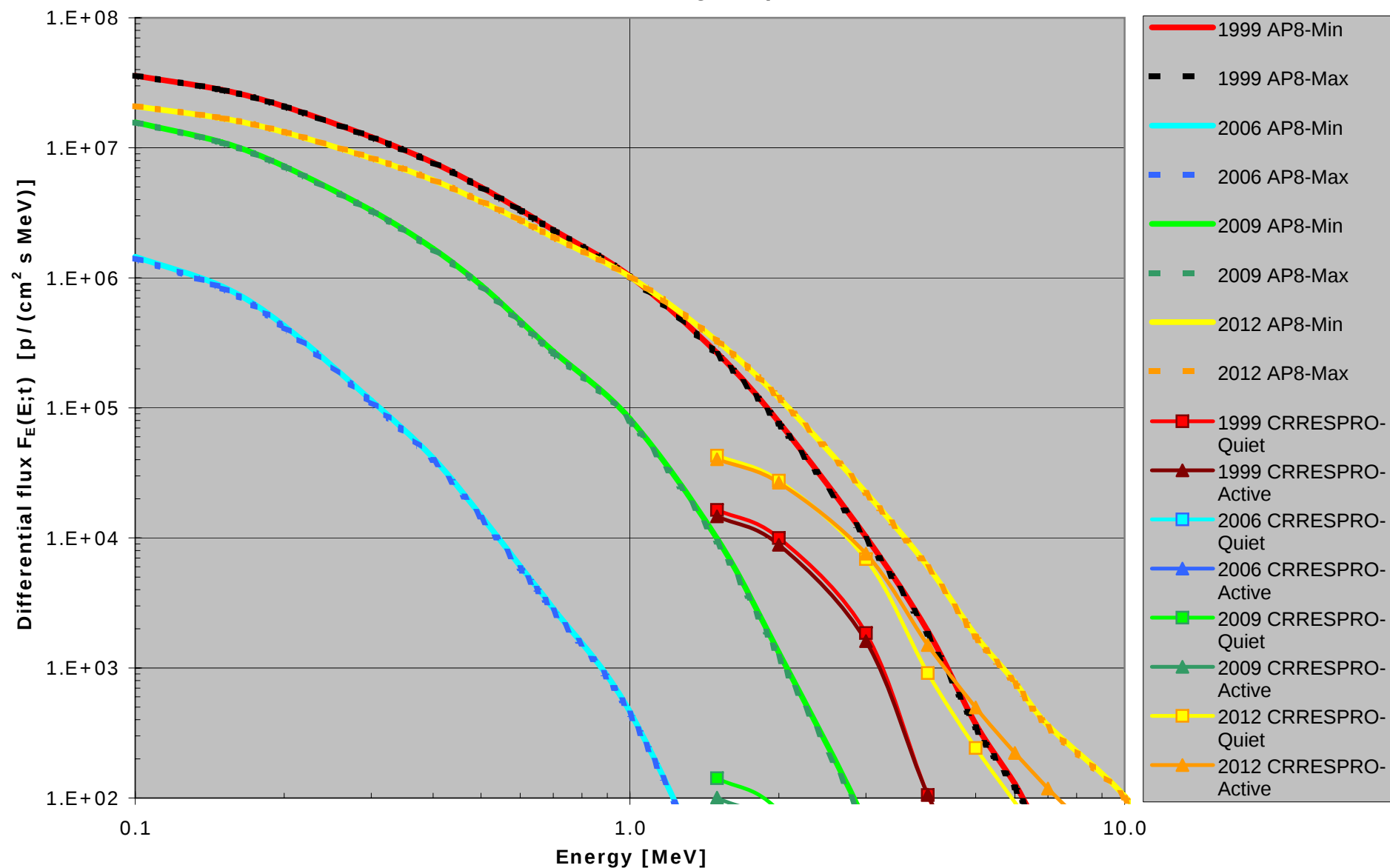
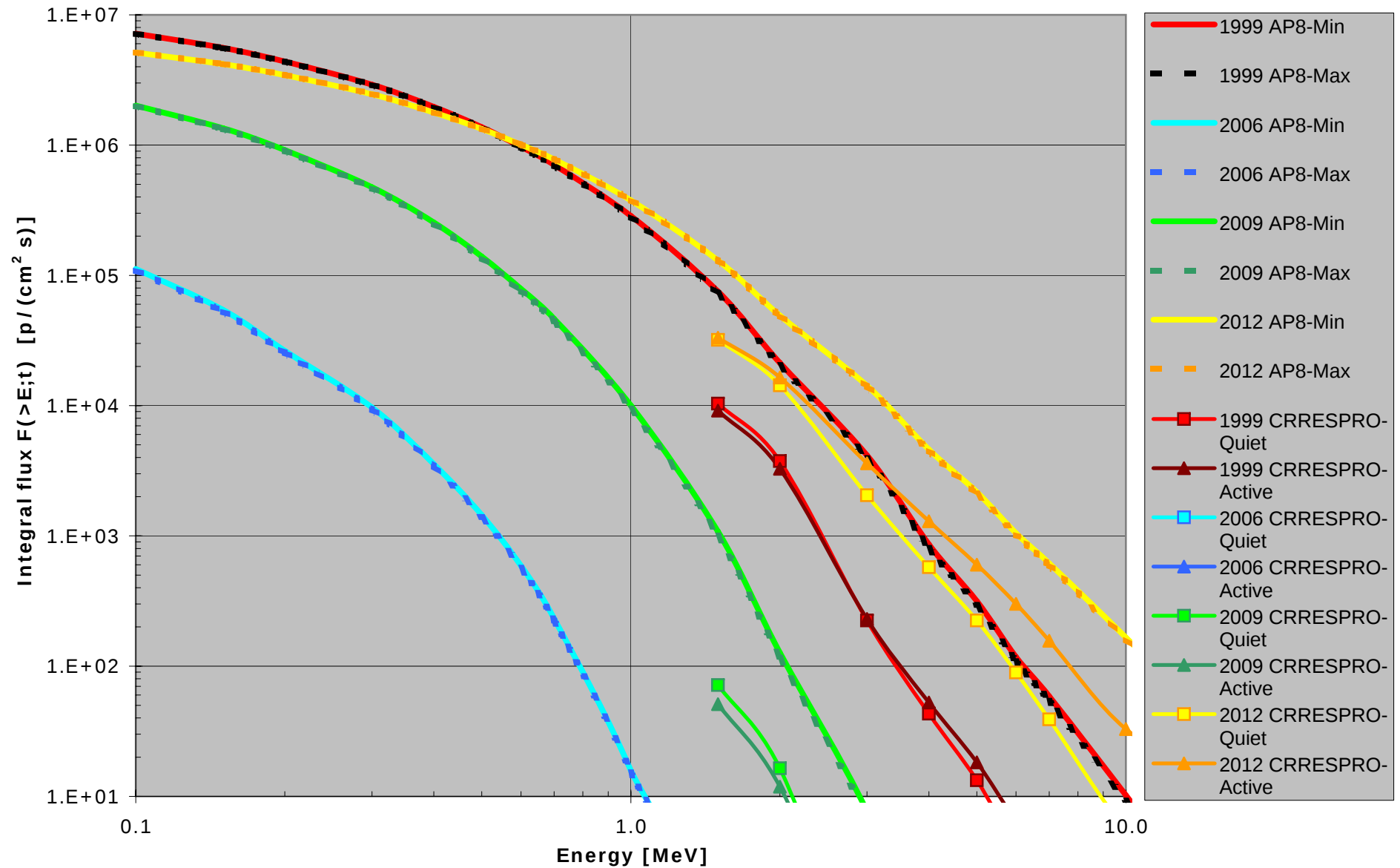


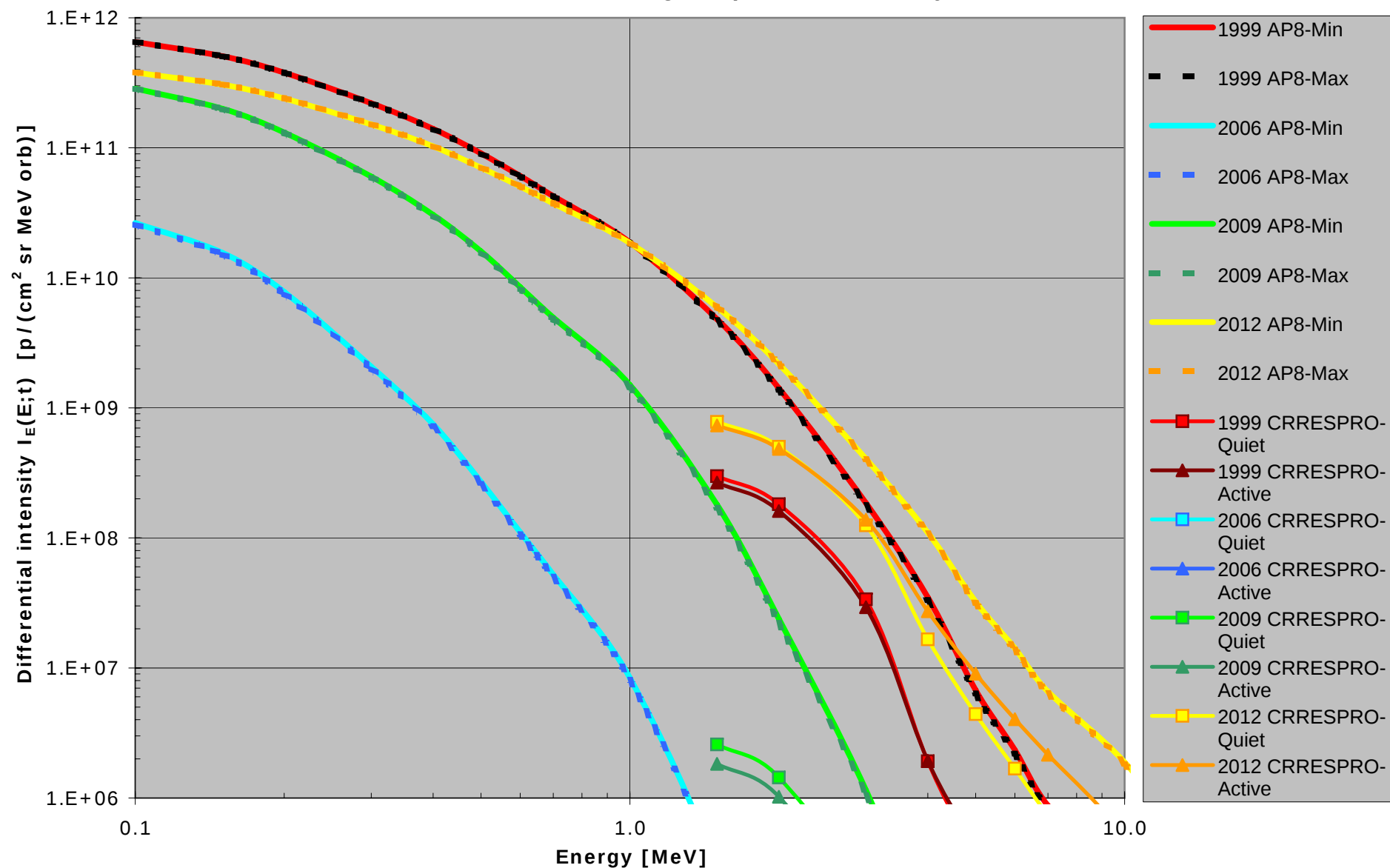
Proton orbit-averaged spectral flux



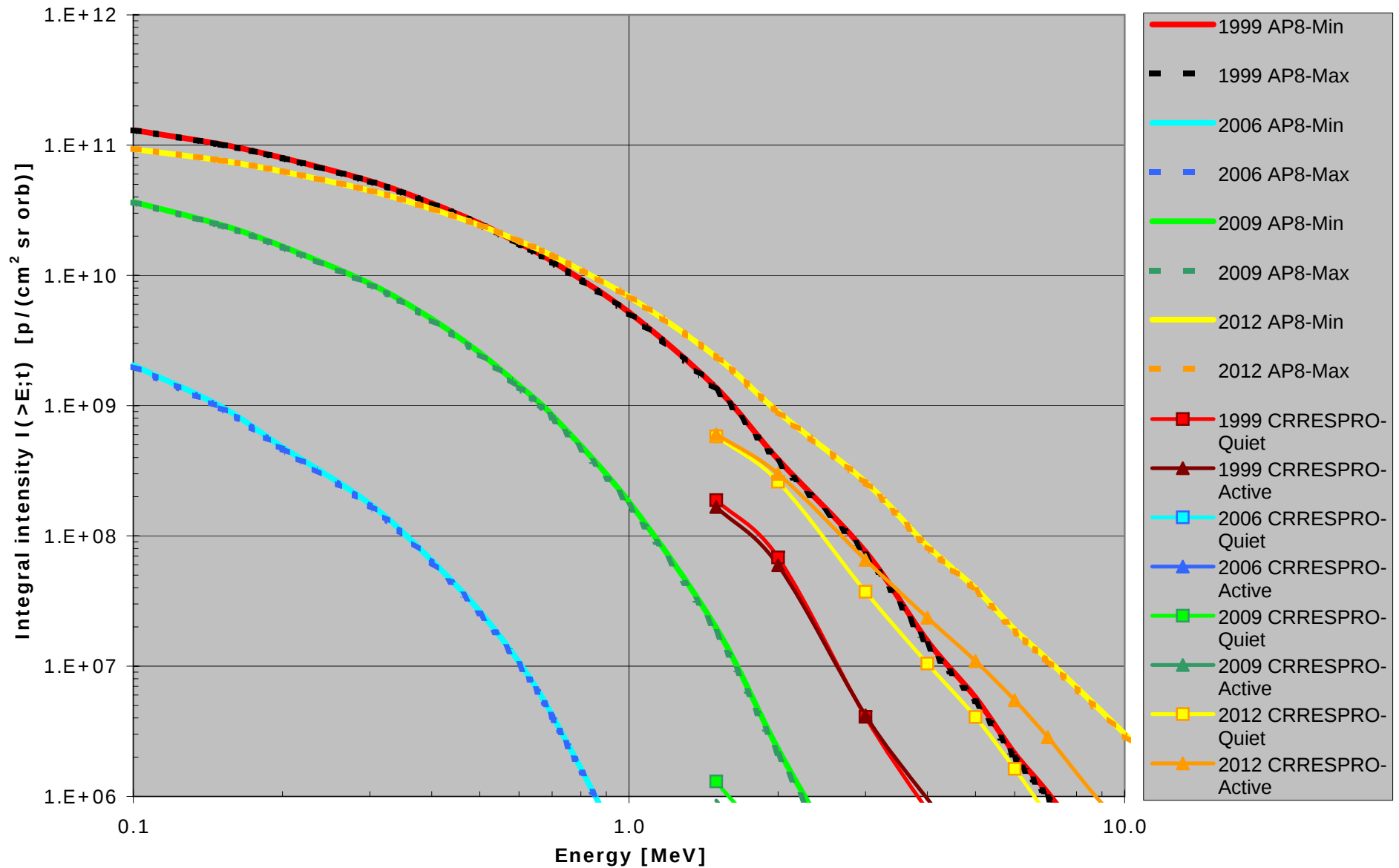
Proton orbit-averaged flux



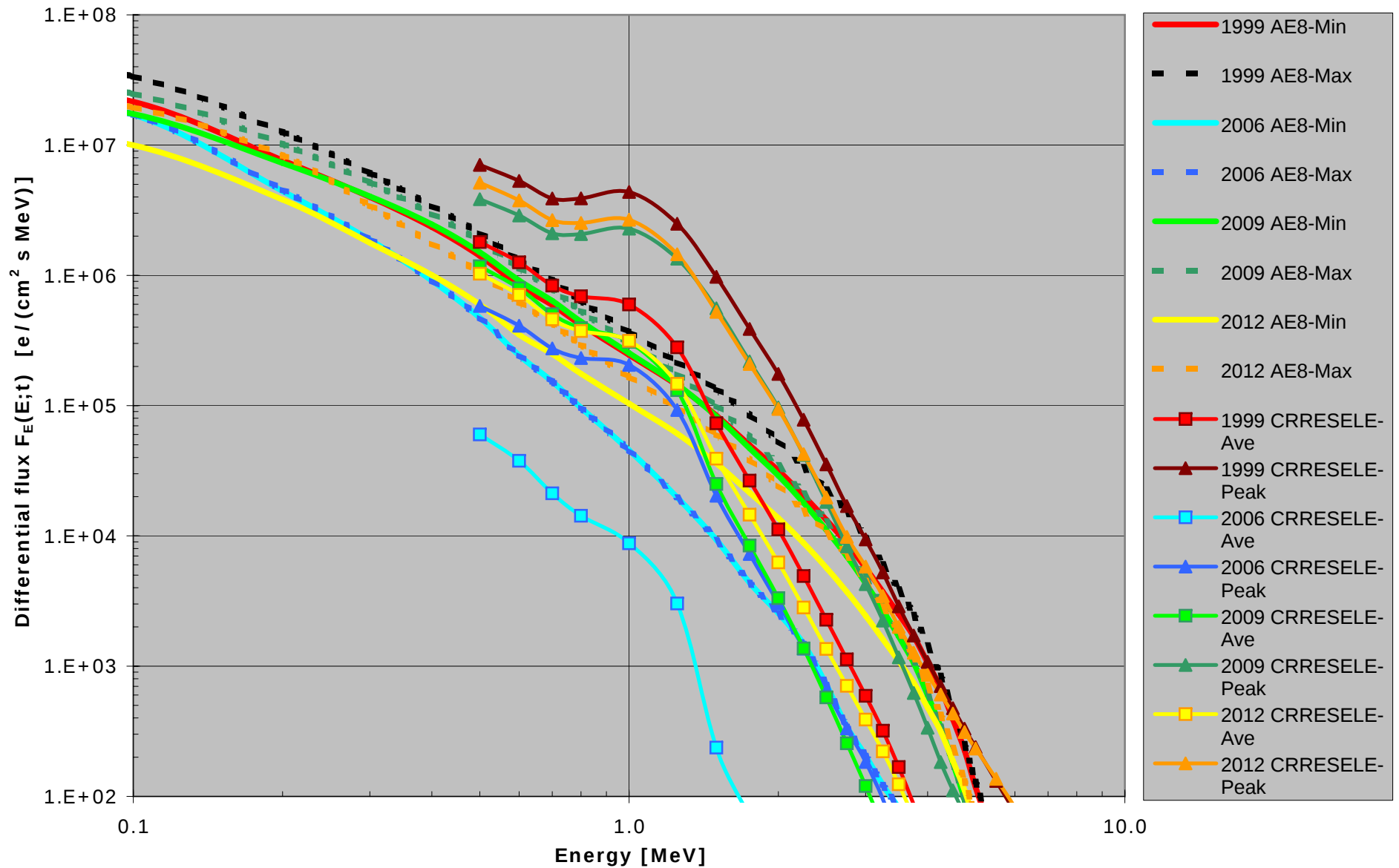
Proton orbit-averaged spectral intensity



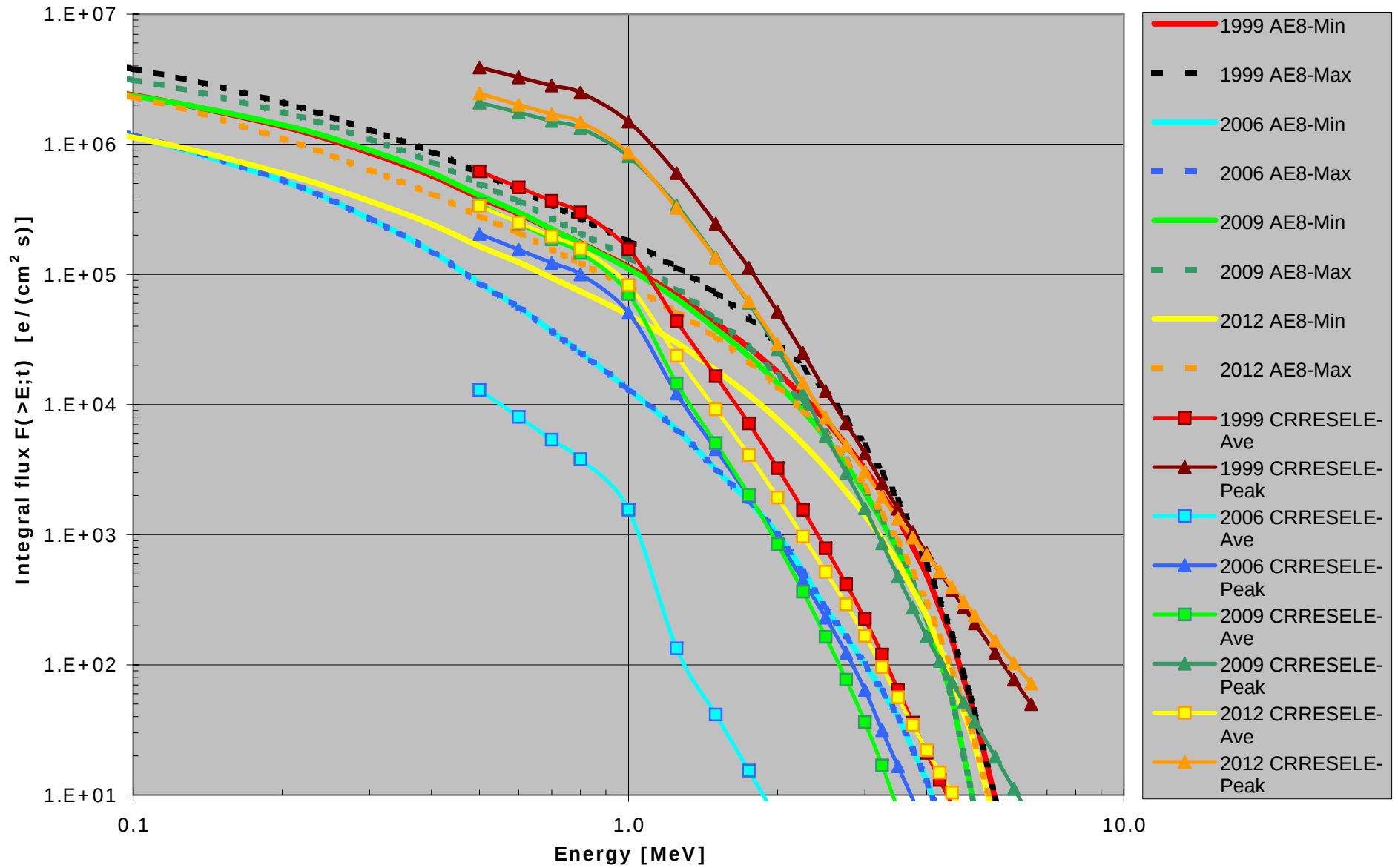
Proton orbit-averaged intensity



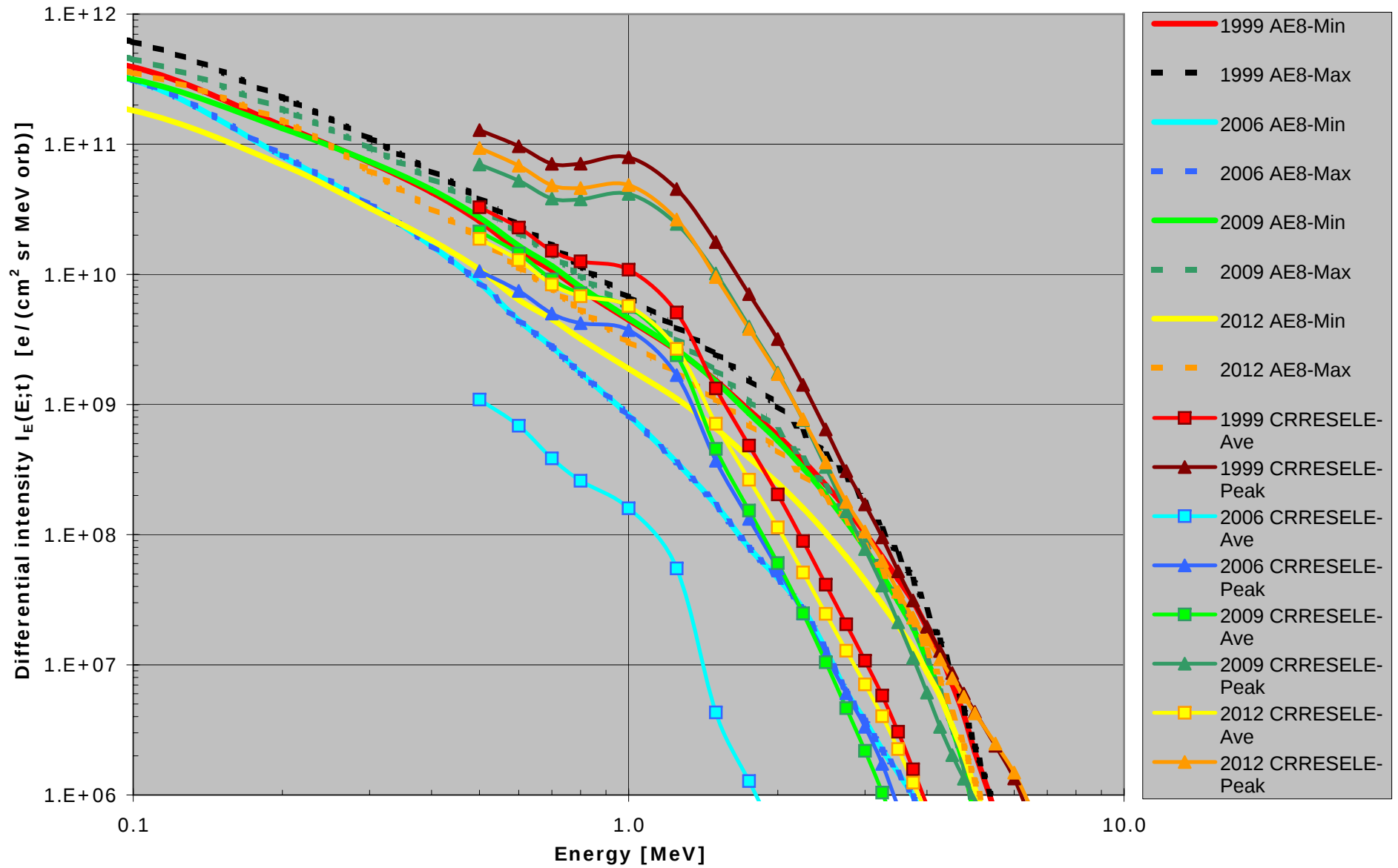
Electron orbit-averaged spectral flux



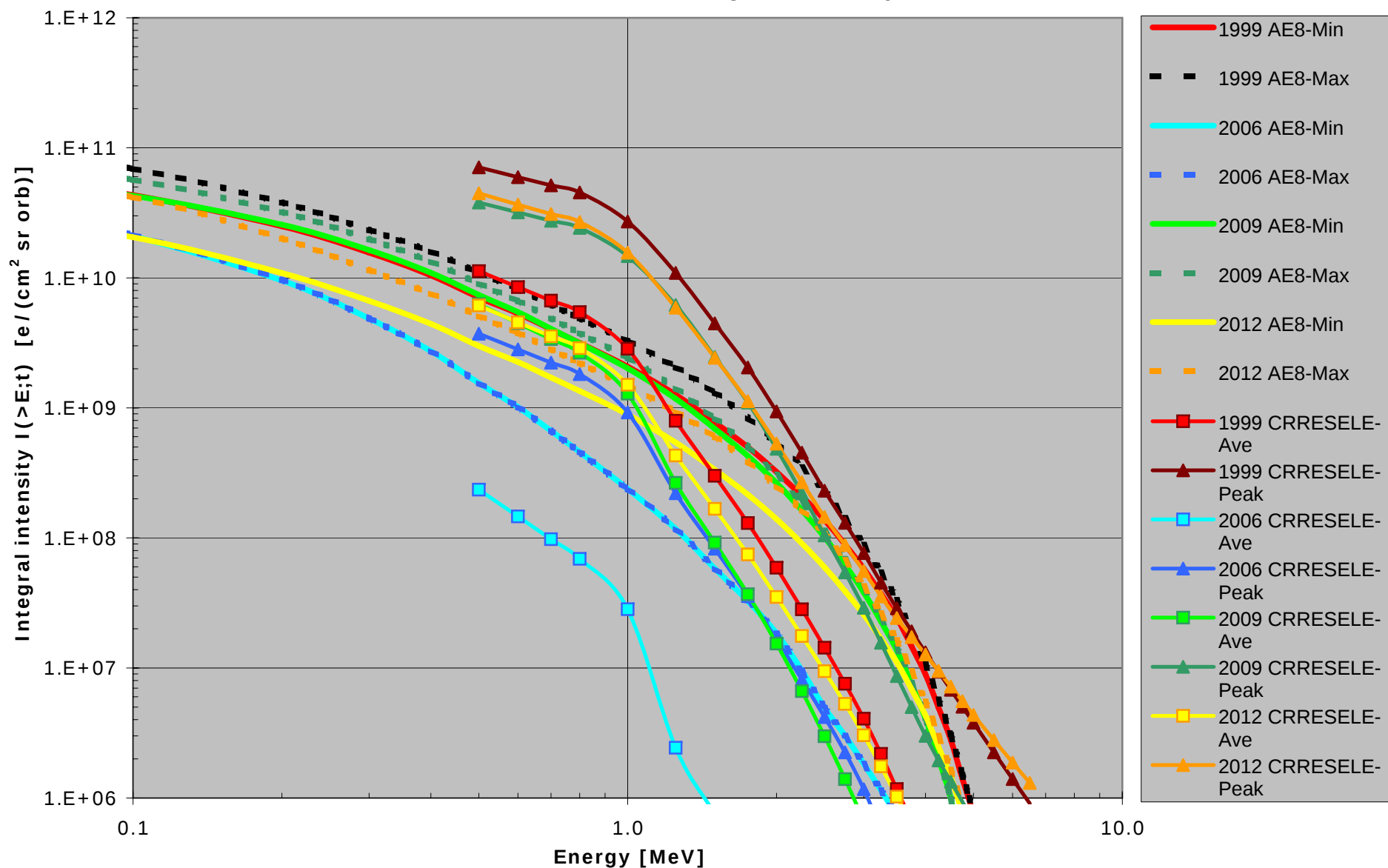
Electron orbit-averaged flux



Electron orbit-averaged spectral intensity



Electron orbit-averaged intensity



E [MeV]	Differential flux FE(E) [#/(cm2 s MeV)]																		
Proton	1999 AP8- Min	1999 AP8- Max	2006 AP8- Min	2006 AP8- Max	2009 AP8- Min	2009 AP8- Max	2009 AP8- Min	2009 AP8- Max	2012 AP8- Min	2012 AP8- Max	1999 CRRESPRO- Quiet	1999 CRRESPRO- Active	2006 CRRESPRO- Quiet	2006 CRRESPRO- Active	2009 CRRESPRO- Quiet	2009 CRRESPRO- Active	2012 CRRESPRO- Quiet	2012 CRRESPRO- Active	
1.00E-01	3.58E+07	3.58E+07	1.45E+06	1.41E+06	1.57E+07	1.56E+07	2.08E+07	2.09E+07											
1.50E-01	2.79E+07	2.78E+07	8.57E+05	8.32E+05	1.10E+07	1.09E+07	1.68E+07	1.69E+07											
2.00E-01	2.08E+07	2.08E+07	4.29E+05	4.15E+05	7.22E+06	7.15E+06	1.32E+07	1.32E+07											
3.00E-01	1.21E+07	1.21E+07	1.14E+05	1.10E+05	3.31E+06	3.26E+06	8.32E+06	8.36E+06											
4.00E-01	7.70E+06	7.67E+06	4.12E+04	3.97E+04	1.68E+06	1.65E+06	5.64E+06	5.66E+06											
5.00E-01	4.99E+06	4.96E+06	1.48E+04	1.43E+04	8.80E+05	8.61E+05	3.87E+06	3.88E+06											
6.00E-01	3.34E+06	3.32E+06	6.07E+03	5.85E+03	4.66E+05	4.54E+05	2.77E+06	2.78E+06											
7.00E-01	2.34E+06	2.32E+06	2.86E+03	2.77E+03	2.72E+05	2.64E+05	2.05E+06	2.06E+06											
1.00E+00	1.03E+06	1.02E+06	4.60E+02	4.45E+02	8.24E+04	7.92E+04	1.02E+06	1.02E+06											
1.50E+00	2.65E+05	2.60E+05	1.58E+01	1.53E+01	9.89E+03	9.37E+03	3.27E+05	3.27E+05	1.64E+04	1.47E+04	1.00E-09	1.00E-09	1.42E+02	1.01E+02	4.29E+04	4.03E+04			
2.00E+00	7.78E+04	7.57E+04	4.00E-01	3.96E-01	1.31E+03	1.22E+03	1.20E+05	1.19E+05	9.98E+03	8.86E+03	1.00E-09	1.00E-09	7.90E+01	5.61E+01	2.76E+04	2.66E+04			
3.00E+00	1.02E+04	9.82E+03	1.00E-09	1.00E-09	6.31E+01	5.79E+01	2.23E+04	2.22E+04	1.86E+03	1.61E+03	1.00E-09	1.00E-09	8.18E+00	5.88E+00	6.87E+03	7.58E+03			
4.00E+00	1.92E+03	1.83E+03	1.00E-09	1.00E-09	3.80E+00	3.43E+00	6.03E+03	5.96E+03	1.05E+02	1.06E+02	1.00E-09	1.00E-09	1.59E-01	1.75E-01	9.13E+02	1.50E+03			
5.00E+00	3.71E+02	3.50E+02	1.00E-09	1.00E-09	2.39E-01	2.12E-01	1.78E+03	1.74E+03	1.96E+01	2.31E+01	1.00E-09	1.00E-09	3.04E-02	4.08E-02	2.43E+02	4.97E+02			
6.00E+00	1.29E+02	1.20E+02	1.00E-09	1.00E-09	3.80E-02	3.31E-02	7.78E+02	7.60E+02	5.85E+00	7.56E+00	1.00E-09	1.00E-09	1.09E-02	1.78E-02	9.24E+01	2.22E+02			
7.00E+00	4.81E+01	4.48E+01	1.00E-09	1.00E-09	9.10E-03	7.94E-03	3.62E+02	3.52E+02	1.88E+00	2.71E+00	1.00E-09	1.00E-09	6.05E-03	1.05E-02	4.05E+01	1.18E+02			
1.00E+01	1.07E+01	9.94E+00	1.00E-09	1.00E-09	3.50E-04	2.57E-04	1.03E+02	1.00E+02	3.07E-01	5.76E-01	1.00E-09	1.00E-09	1.22E-03	1.49E-03	7.32E+00	2.71E+01			
1.50E+01	9.89E-01	9.00E-01	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.54E+01	1.48E+01	1.84E-02	5.28E-02	1.00E-09	1.00E-09	1.87E-06	1.20E-06	4.69E-01	2.04E+00			
2.00E+01	1.47E-01	1.32E-01	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	3.44E+00	3.30E+00	1.96E-03	4.43E-03	1.00E-09	1.00E-09	7.01E-07	1.00E-09	5.04E-02	4.34E-01		
3.00E+01	1.55E-02	1.37E-02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	5.56E-01	5.31E-01	6.18E-04	5.97E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	2.29E-02	4.22E-01		
4.00E+01	2.01E-03	1.75E-03	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.06E-01	1.01E-01	3.96E-04	1.18E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.21E-02	3.24E-01		
5.00E+01	2.08E-04	1.46E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	3.95E-02	3.74E-02	2.47E-04	4.91E-05	1.00E-09	1.00E-09	1.00E-09	1.00E-09	8.26E-03	1.78E-01		
6.00E+01	2.03E-05	1.05E-05	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.35E-02	1.27E-02	1.33E-04	1.02E-05	1.00E-09	1.00E-09	1.00E-09	1.00E-09	7.94E-03	8.91E-02		
7.00E+01	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	7.41E-03	6.97E-03	5.14E-05	1.53E-05	1.00E-09	1.00E-09	1.00E-09	1.00E-09	6.75E-03	1.00E-09		
1.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	2.56E-03	2.38E-03										
1.50E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	4.68E-04	4.27E-04										
2.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.22E-04	1.10E-04										
3.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.52E-05	1.39E-05										
4.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09										
Electron	1999 AE8- Min	1999 AE8- Max	2006 AE8- Min	2006 AE8- Max	2009 AE8- Min	2009 AE8- Max	2012 AE8- Min	2012 AE8- Max	1999 CRRESELE- Ave	1999 CRRESELE- Peak	2006 CRRESELE- Ave	2006 CRRESELE- Peak	2009 CRRESELE- Ave	2009 CRRESELE- Peak	2012 CRRESELE- Ave	2012 CRRESELE- Peak			
4.00E-02	3.52E+07	5.35E+07	3.01E+07	3.00E+07	2.68E+07	3.82E+07	1.56E+07	2.85E+07											
1.00E-01	2.15E+07	3.36E+07	1.71E+07	1.72E+07	1.73E+07	2.48E+07	9.99E+06	1.94E+07											
2.00E-01	7.63E+06	1.26E+07	4.43E+06	4.54E+06	7.27E+06	1.02E+07	3.81E+06	8.30E+06											
3.00E-01	3.99E+06	6.07E+06	1.87E+06	1.89E+06	4.04E+06	5.15E+06	1.78E+06	3.43E+06											
4.00E-01	2.35E+06	3.41E+06	9.10E+05	9.11E+05	2.46E+06	2.97E+06	1.01E+06	1.75E+06											
5.00E-01	1.41E+06	2.11E+06	4.72E+05	4.72E+05	1.51E+06	1.84E+06	5.98E+05	1.04E+06	1.80E+06	7.06E+06	6.00E+04	5.83E+05	1.17E+06	3.84E+06	1.03E+06	5.14E+06			
6.00E-01	8.35E+05	1.29E+06	2.44E+05	2.44E+05	9.13E+05	1.14E+06	3.51E+05	6.21E+05	1.26E+06	5.31E+06	3.77E+04	4.11E+05	7.95E+05	2.88E+06	7.09E+05	3.76E+06			
7.00E-01	5.91E+05	9.18E+05	1.53E+05	1.53E+05	6.38E+05	7.87E+05	4.28E+05	4.28E+05	8.34E+05	3.89E+06	2.12E+04	2.75E+05	5.03E+05	2.10E+06	4.60E+05	2.66E+06			
8.00E-01	4.17E+05	6.38E+05	9.63E+04	9.63E+04	4.42E+05	5.35E+05	1.76E+05	2.94E+05	6.91E+05	3.90E+06	1.43E+04	2.32E+05	3.93E+05	2.07E+06	3.74E+05	2.53E+06			
1.00E+00	2.45E+05	3.67E+05	4.54E+04	4.54E+04	2.53E+05	3.02E+05	1.04E+05	1.66E+05	5.97E+05	4.37E+06	8.76E+03	2.05E+05	3.09E+05	2.28E+06	3.15E+05	2.67E+06			
1.25E+00	1.43E+05	2.15E+05	1.98E+04	1.98E+04	1.45E+05	1.75E+05	6.10E+04	9.55E+04	2.80E+05	2.49E+06	3.02E+03	9.25E+04	1.31E+05	1.34E+06	1.47E+05	1.45E+06			
1.50E+00	8.40E+04	1.34E+05	9.31E+03	9.31E+03	8.24E+04	9.99E+04	3.60E+04	6.01E+04	7.31E+04	9.75E+05	2.37E+02	2.03E+04	2.51E+04	5.59E+05	3.91E+04	5.25E+05			
1.75E+00	4.98E+04	8.48E+04	4.37E+03	4.37E+03	4.70E+04	5.76E+04	2.14E+04	3.84E+04	2.66E+04	3.88E+05	7.02E+01	7.27E+03	8.42E+03	2.18E+05	1.45E+04	2.09E+05			
2.00E+00	3.18E+04	5.35E+04	2.55E+03	2.55E+03	2.90E+04	3.50E+04	1.37E+04	2.45E+04	1.12E+04	1.75E+05	2.52E+01	3.03E+03	3.32E+03	9.67E+04	6.26E+03	9.42E+04			
2.25E+00	2.03E+04	3.38E+04	1.48E+03	1.48E+03	1.79E+04	2.12E+04	8.80E+03	1.56E+04	4.91E+03	7.79E+04	1.02E+01	1.36E+03	1.37E+03	4.18E+04	2.82E+03	4.24E+04			
2.50E+00	1.32E+04	2.28E+04	7.18E+02	7.18E+02	1.11E+04	1.30E+04	5.69E+03	1.05E+04	2.27E+03	3.54E+04	4.38E+00	6.47E+02	5.76E+02	1.82E+04	1.36E+03	1.97E+04			
2.75E+00	8.71E+03	1.55E+04	3.42E+02	3.42E+02	6.95E+03	7.95E+03	3.72E+03	7.15E+03	1.13E+03	1.69E+04	1.99E+00	3.32E+02	2.55E+02	8.30E+03	7.05E+02	9.82E+03			
3.00E+00	5.68E+03	9.68E+03	2.05E+02	2.05E+02	4.32E+03	4.88E+03	2.44E+03	4.53E+03	5.92E+02	9.39E+03	9.32E-01	1.84E+02	1.20E+02	4.26E+03	3.89E+02	5.81E+03			
3.25E+00	3.72E+03	6.08E+03	1.23E+02	1.23E+02	2.69E+03	2.99E+03	1.61E+03	2.88E+03	3.19E+02	5.24E+03	4.29E-01	9.52E+01	5.73E+01	2.24E+03	2.21E+02	3.45E+03			
3.50E+00	2.50E+03	3.89E+03	8.15E+01	8.15E+01	1.69E+03	1.84E+03	1.09E+03	1.86E+03	1.68E+02	2.88E+03	1.88E-01	4.43E+01	2.64E+01	1.17E+03	1.24E+02	2.00E+03			
3.75E+00	1.68E+03	2.48E+03	5.37E+01	5.37E+01	1.06E+03	1.13E+03	7.45E+02	1.19E+03	8.66E+01	1.72E+03	9.77E-02	2.26E+01	1.17E+01	6.22E+02	6.83E+01	1.27E+03			
4.00E+00	1.06E+03	1.45E+03	3.17E+01	3.17E+01	6.00E+02	6.26E+02	4.82E+02	7.12E+02	4.58E+01	1.08E+03	4.90E-02	1.15E+01	5.27E+00	3.36E+02	3.90E+01	8.56E+02			
4.25E+00	6.74E+02	8.47E+02	1.89E+01	1.89E+01	3.40E+02	3.45E+02	3.15E+02	4.26E+02	2.53E+01	7.03E+02	2.09E-02	5.62E+00	2.42E+00	1.83E+02	2.33E+01	6.06E+02			
4.50E+00	3.91E+02	4.65E+02	1.18E+01	1.18E+01	1.80E+02	1.81E+02	1.87E+02	2.37E+02	1.49E+01	4.76E+02	1.19E-02	3.32E+00	1.27E+00	1.11E+02	1.47E+01	4.33E+02			
4.75E+00	2.25E+02	2.53E+02	6.51E+00	6.51E+00	9.29E+01	9.31E+01	1.11E+02	1.31E+02	9.22E+00	3.31E+02	9.43E-03	2.29E+00	7.23E-01	7.33E+01	9.69E+00	3.12E+02			
5.00E+00	1.17E+02	1.30E+02	1.59E+00	1.59E+00	3.76E+01	3.77E+01	6.14E+01	7.08E+01	6.03E+00	2.39E+02	7.62E-03	1.65E+00	4.44E-01	5.05E+01	6.73E+00	2.33E+02			
5.50E+00	3.87E+01	4.04E+01	9.94E-02	9.94E-02	7.58E+00	7.58E+00	2.26E+01	2											

E [MeV]	Integral flux F(.E) [#/(cm2 s)]																	
Proton	1999 AP8- Min	1999 AP8- Max	2006 AP8- Min	2006 AP8- Max	2009 AP8- Min	2009 AP8- Max	2009 AP8- Max	2012 AP8- Min	2012 AP8- Max	1999 CRRESPRO- Quiet	1999 CRRESPRO- Active	2006 CRRESPRO- Quiet	2006 CRRESPRO- Active	2009 CRRESPRO- Quiet	2009 CRRESPRO- Active	2012 CRRESPRO- Quiet	2012 CRRESPRO- Active	
1.00E-01	7.17E+06	7.14E+06	1.12E+05	1.09E+05	2.01E+06	1.99E+06	5.13E+06	5.15E+06										
1.50E-01	5.58E+06	5.55E+06	5.43E+04	5.26E+04	1.35E+06	1.33E+06	4.19E+06	4.20E+06										
2.00E-01	4.39E+06	4.36E+06	2.64E+04	2.55E+04	9.16E+05	9.01E+05	3.44E+06	3.45E+06										
3.00E-01	2.91E+06	2.89E+06	9.67E+03	9.34E+03	4.75E+05	4.65E+05	2.46E+06	2.47E+06										
4.00E-01	1.97E+06	1.95E+06	3.56E+03	3.43E+03	2.55E+05	2.48E+05	1.78E+06	1.78E+06										
5.00E-01	1.37E+06	1.36E+06	1.44E+03	1.39E+03	1.40E+05	1.35E+05	1.33E+06	1.33E+06										
6.00E-01	9.70E+05	9.57E+05	5.89E+02	5.69E+02	7.86E+04	7.58E+04	1.01E+06	1.01E+06										
7.00E-01	7.05E+05	6.94E+05	2.31E+02	2.24E+02	4.63E+04	4.45E+04	7.76E+05	7.77E+05										
1.00E+00	2.86E+05	2.80E+05	1.58E+01	1.53E+01	1.00E+04	9.48E+03	3.76E+05	3.76E+05										
1.50E+00	7.53E+04	7.31E+04	3.00E-01	2.97E-01	1.08E+03	1.00E+03	1.30E+05	1.30E+05	1.04E+04	9.15E+03	1.00E-09	1.00E-09	1.00E-09	7.17E+01	5.11E+01	3.20E+04	3.32E+04	
2.00E+00	2.13E+04	2.05E+04	1.00E-09	1.00E-09	1.27E+02	1.16E+02	4.92E+04	4.88E+04	3.76E+03	3.27E+03	1.00E-09	1.00E-09	1.00E-09	1.64E+01	1.19E+01	1.43E+04	1.64E+04	
3.00E+00	4.16E+03	3.95E+03	1.00E-09	1.00E-09	7.68E+00	6.92E+00	1.42E+04	1.40E+04	2.24E+02	2.31E+02	1.00E-09	1.00E-09	1.00E-09	3.46E-01	3.94E-01	2.05E+03	3.60E+03	
4.00E+00	8.60E+02	8.08E+02	1.00E-09	1.00E-09	4.91E-01	4.36E-01	4.60E+03	4.50E+03	4.31E+01	5.26E+01	1.00E-09	1.00E-09	1.00E-09	7.40E-02	1.02E-01	5.75E+02	1.29E+03	
5.00E+00	3.16E+02	2.95E+02	1.00E-09	1.00E-09	7.77E-02	6.75E-02	2.17E+03	2.11E+03	1.33E+01	1.83E+01	1.00E-09	1.00E-09	1.00E-09	2.77E-02	4.27E-02	2.24E+02	6.01E+02	
6.00E+00	1.17E+02	1.09E+02	1.00E-09	1.00E-09	1.36E-02	1.17E-02	1.05E+03	1.02E+03	3.96E+00	6.45E+00	1.00E-09	1.00E-09	1.00E-09	1.33E-02	2.03E-02	8.94E+01	3.01E+02	
7.00E+00	5.86E+01	5.41E+01	1.00E-09	1.00E-09	1.68E-03	1.23E-03	6.15E+02	5.95E+02	1.61E+00	3.13E+00	1.00E-09	1.00E-09	1.00E-09	5.87E-03	7.16E-03	3.91E+01	1.57E+02	
1.00E+01	1.02E+01	9.27E+00	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.66E+02	1.60E+02	2.04E-01	5.42E-01	1.00E-09	1.00E-09	1.00E-09	1.87E-05	1.20E-05	5.52E+00	3.28E+01	
1.50E+01	1.35E+00	1.20E+00	1.00E-09	1.00E-09	1.00E-09	1.00E-09	3.55E+01	3.40E+01	3.28E-02	4.40E-02	1.00E-09	1.00E-09	1.00E-09	5.26E-06	1.00E-09	1.14E+00	1.47E+01	
2.00E+01	3.14E-01	2.77E-01	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.22E+01	1.16E+01	2.00E-02	1.34E-02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	8.36E-01	1.25E+01	
3.00E+01	4.07E-02	3.52E-02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	2.56E+00	2.43E+00	1.24E-02	2.97E-03	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	5.40E-01	8.42E+00	
4.00E+01	4.15E-03	2.92E-03	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.04E+00	9.77E-01	7.68E-03	1.52E-03	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	3.78E-01	4.02E+00	
5.00E+01	4.07E-04	2.11E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	4.30E-01	4.02E-01	4.49E-03	6.12E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	2.99E-01	1.94E+00	
6.00E+01	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	2.46E-01	2.29E-01	2.74E-03	5.36E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	2.13E-01	4.55E-01	
7.00E+01	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.59E-01	1.47E-01	1.82E-03	4.09E-04	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.40E-01	1.55E-01	
1.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	4.99E-02	4.54E-02									
1.50E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.14E-02	1.04E-02									
2.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	3.05E-03	2.78E-03									
3.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09									
4.00E+02	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09	1.00E-09									
Electron	1999 AE8- Min	1999 AE8- Max	2006 AE8- Min	2006 AE8- Max	2009 AE8- Min	2009 AE8- Max	2009 AE8- Max	2012 AE8- Min	2012 AE8- Max	1999 CRRESELE- Ave	1999 CRRESELE- Peak	2006 CRRESELE- Ave	2006 CRRESELE- Peak	2009 CRRESELE- Ave	2009 CRRESELE- Peak	2012 CRRESELE- Ave	2012 CRRESELE- Peak	
4.00E-02	4.09E+06	6.41E+06	2.57E+06	2.59E+06	3.68E+06	5.01E+06	1.90E+06	3.73E+06										
1.00E-01	2.38E+06	3.80E+06	1.15E+06	1.17E+06	2.35E+06	3.12E+06	1.13E+06	2.29E+06										
2.00E-01	1.37E+06	2.09E+06	5.25E+05	5.29E+05	1.41E+06	1.76E+06	5.99E+05	1.10E+06										
3.00E-01	8.58E+05	1.28E+06	2.67E+05	2.67E+05	8.99E+05	1.09E+06	3.65E+05	6.30E+05										
4.00E-01	5.74E+05	8.75E+05	1.50E+05	1.50E+05	6.01E+05	7.32E+05	2.43E+05	4.16E+05										
5.00E-01	3.88E+05	6.01E+05	8.53E+04	8.53E+04	4.06E+05	4.95E+05	1.64E+05	2.80E+05	6.19E+05	3.89E+06	1.29E+04	2.05E+05	3.45E+05	2.09E+06	3.37E+05	2.46E+06		
6.00E-01	2.92E+05	4.53E+05	5.58E+04	5.58E+04	3.00E+05	3.64E+05	1.24E+05	2.07E+05	4.66E+05	3.27E+06	8.04E+03	1.55E+05	2.47E+05	1.75E+06	2.50E+05	2.01E+06		
7.00E-01	2.21E+05	3.42E+05	3.66E+04	3.66E+04	2.23E+05	2.65E+05	9.41E+04	1.55E+05	3.67E+05	2.83E+06	5.38E+03	1.22E+05	1.86E+05	1.51E+06	1.95E+05	1.70E+06		
8.00E-01	1.74E+05	2.69E+05	2.52E+04	2.52E+04	1.73E+05	2.07E+05	7.40E+04	1.22E+05	2.99E+05	2.49E+06	3.80E+03	9.99E+04	1.46E+05	1.33E+06	1.58E+05	1.48E+06		
1.00E+00	1.14E+05	1.79E+05	1.31E+04	1.31E+04	1.11E+05	1.33E+05	4.89E+04	8.07E+04	1.57E+05	1.49E+06	1.55E+03	5.08E+04	7.07E+04	8.08E+05	8.27E+04	8.60E+05		
1.25E+00	6.94E+04	1.13E+05	6.45E+03	6.45E+03	6.47E+04	7.77E+04	2.98E+04	5.13E+04	4.37E+04	6.00E+05	1.34E+02	1.21E+04	1.46E+04	3.40E+05	2.37E+04	3.24E+05		
1.50E+00	4.26E+04	7.19E+04	3.20E+03	3.20E+03	3.80E+04	4.57E+04	1.84E+04	3.29E+04	1.65E+04	2.46E+05	4.15E+01	4.54E+03	5.06E+03	1.36E+05	9.20E+03	1.34E+05		
1.75E+00	2.74E+04	4.60E+04	1.80E+03	1.80E+03	2.35E+04	2.77E+04	1.18E+04	2.12E+04	7.16E+03	1.12E+05	1.54E+01	1.96E+03	2.03E+03	6.04E+04	4.10E+03	6.18E+04		
2.00E+00	1.77E+04	2.95E+04	1.01E+03	1.01E+03	1.45E+04	1.69E+04	7.67E+03	1.37E+04	3.24E+03	5.16E+04	6.40E+00	9.12E+02	8.47E+02	2.66E+04	1.93E+03	2.92E+04		
2.25E+00	1.15E+04	1.92E+04	5.25E+02	5.25E+02	8.96E+03	1.03E+04	4.99E+03	8.99E+03	1.55E+03	2.49E+04	2.79E+00	4.47E+02	3.65E+02	1.21E+04	9.68E+02	1.47E+04		
2.50E+00	7.55E+03	1.26E+04	2.72E+02	2.72E+02	5.57E+03	6.26E+03	3.27E+03	5.92E+03	7.87E+02	1.27E+04	1.29E+00	2.30E+02	1.64E+02	5.75E+03	5.19E+02	7.97E+03		
2.75E+00	4.89E+03	7.83E+03	1.66E+02	1.66E+02	3.42E+03	3.79E+03	2.14E+03	3.72E+03	4.16E+02	7.19E+03	6.04E-01	1.23E+02	7.68E+01	2.99E+03	2.91E+02	4.85E+03		
3.00E+00	3.19E+03	4.87E+03	1.01E+02	1.01E+02	2.10E+03	2.29E+03	1.41E+03	2.34E+03	2.24E+02	4.20E+03	2.90E-01	6.42E+01	3.63E+01	1.60E+03	1.67E+02	3.06E+03		
3.25E+00	2.05E+03	2.99E+03	6.32E+01	6.32E+01	1.25E+03	1.35E+03	9.23E+02	1.45E+03	1.20E+02	2.49E+03	1.38E-01	3.14E+01	1.68E+01	8.58E+02	9.63E+01	1.95E+03		
3.50E+00	1.33E+03	1.83E+03	3.96E+01	3.96E+01	7.52E+02	7.92E+02	6.09E+02	9.01E+02	6.43E+01	1.58E+03	7.59E-02	1.66E+01	7.68E+00	4.76E+02	5.62E+01	1.33E+03		
3.75E+00	8.03E+02	1.04E+03	2.24E+01	2.24E+01	4.10E+02	4.24E+02	3.77E+02	5.21E+02	3.60E+01	1.05E+03	4.44E-02	9.26E+00	3.63E+00	3.44E+01	9.50E+02			
4.00E+00	4.91E+02	5.92E+02	1.28E+01	1.28E+01	2.24E+02	2.27E+02	2.37E+02	3.04E+02	2.11E+01	7.25E+02	2.71E-02	5.35E+00	1.81E+00	1.65E+02	2.21E+01	6.98E+02		
4.25E+00	2.72E+02	3.15E+02	6.57E+00	6.57E+00	1.10E+02	1.11E+02	1.36E+02	1.65E+02	1.30E+01	5.15E+02	1.99E-02	3.53E+00	9.98E-01	1.07E+02	1.49E+01	5.22E+02		
4.50E+00	1.53E+02	1.69E+02	3.35E+00	3.35E+00	5.41E+01	5.42E+01	7.94E+01	9.08E+01	8.40E+00	3.74E+02	1.66E-02	2.54E+00	5.97E-01	7.33E+01	1.40E+01	3.95E+02		
4.75E+00	7.68E+01	8.29E+01	6.72E-01	6.72E-01	2.00E+01	2.01E+01	4.25E+01	4.70E+01	5.58E+00	2.77E+02	1.40E-02	1.86E+00	3.69E-01	5.13E+01	7.53E+00	3.05E+02		
5.00E+00	4.06E+01	4.23E+01	9.94E-02	9.94E-02	7.63E+00	7.63E+00	2.39E+01	2.53E+01	3.80E+00	2.08E+02	1.19E-02	1.39E+00	2.35E-01	3.66E+01	5.58E+00	2.39E+02		
5.50E+00	9.28E+00	9.34E+00	1.00E-09	1.00E-09	7.76E-01	7.74E-01												

E [MeV]	Differential intensity IE(E) [#/(cm2 sr MeV orb)]								1.82E+04 (s/orb)/(4p)									
Proton	1999 AP8- Min	1999 AP8- Max	2006 AP8- Min	2006 AP8- Max	2009 AP8- Min	2009 AP8- Max	2012 AP8- Min	2012 AP8- Max	1999 CRRESPRO- Quiet	1999 CRRESPRO- Active	2006 CRRESPRO- Quiet	2006 CRRESPRO- Active	2009 CRRESPRO- Quiet	2009 CRRESPRO- Active	2012 CRRESPRO- Quiet	2012 CRRESPRO- Active		
1.00E-01	6.52E+11	6.52E+11	2.64E+10	2.57E+10	2.86E+11	2.84E+11	3.79E+11	3.81E+11										
1.50E-01	5.07E+11	5.06E+11	1.56E+10	1.51E+10	2.00E+11	1.98E+11	3.06E+11	3.08E+11										
2.00E-01	3.79E+11	3.78E+11	7.79E+09	7.55E+09	1.31E+11	1.30E+11	2.40E+11	2.41E+11										
3.00E-01	2.20E+11	2.19E+11	2.08E+09	2.01E+09	6.01E+10	5.94E+10	1.51E+11	1.52E+11										
4.00E-01	1.40E+11	1.40E+11	7.49E+08	7.22E+08	3.05E+10	3.00E+10	1.03E+11	1.03E+11										
5.00E-01	9.07E+10	9.02E+10	2.70E+08	2.60E+08	1.60E+10	1.57E+10	7.03E+10	7.06E+10										
6.00E-01	6.08E+10	6.03E+10	1.10E+08	1.06E+08	8.48E+09	8.26E+09	5.04E+10	5.06E+10										
7.00E-01	4.25E+10	4.22E+10	5.21E+07	5.03E+07	4.95E+09	4.81E+09	3.73E+10	3.74E+10										
1.00E+00	1.87E+10	1.85E+10	8.37E+06	8.10E+06	1.50E+09	1.44E+09	1.85E+10	1.86E+10										
1.50E+00	4.82E+09	4.72E+09	2.87E+05	2.79E+05	1.80E+08	1.70E+08	5.95E+09	5.96E+09	2.99E+08	2.67E+08	1.82E-05	1.82E-05	2.58E+06	1.83E+06	7.81E+08	7.34E+08		
2.00E+00	1.42E+09	1.38E+09	7.28E+03	7.19E+03	2.38E+07	2.22E+07	2.18E+09	2.17E+09	1.81E+08	1.61E+08	1.82E-05	1.82E-05	1.44E+06	1.02E+06	5.02E+08	4.84E+08		
3.00E+00	1.86E+08	1.79E+08	1.82E-05	1.82E-05	1.15E+06	1.05E+06	4.06E+08	4.06E+08	3.86E+07	2.93E+07	1.82E-05	1.82E-05	1.49E+05	1.07E+05	1.25E+08	1.38E+08		
4.00E+00	3.49E+07	3.33E+07	1.82E-05	1.82E-05	6.92E+04	6.23E+04	1.10E+08	1.08E+08	1.92E+06	1.93E+06	1.82E-05	1.82E-05	2.89E+03	3.19E+03	1.66E+07	2.73E+07		
5.00E+00	6.75E+06	6.36E+06	1.82E-05	1.82E-05	4.35E+03	3.86E+03	3.23E+07	3.16E+07	3.56E+05	4.20E+05	1.82E-05	1.82E-05	5.52E+02	7.42E+02	4.41E+06	9.04E+06		
6.00E+00	2.34E+06	2.19E+06	1.82E-05	1.82E-05	6.92E+02	6.02E+02	1.42E+07	1.38E+07	1.06E+05	1.38E+05	1.82E-05	1.82E-05	1.99E+02	3.23E+02	1.68E+06	4.04E+06		
7.00E+00	8.75E+05	8.16E+05	1.82E-05	1.82E-05	1.66E+02	1.45E+02	6.59E+06	6.41E+06	3.42E+04	4.93E+04	1.82E-05	1.82E-05	1.10E+02	1.90E+02	7.37E+05	2.15E+06		
1.00E+01	1.95E+05	1.81E+05	1.82E-05	1.82E-05	6.37E+00	4.68E+00	1.88E+06	1.82E+06	5.58E+03	1.05E+04	1.82E-05	1.82E-05	2.22E+01	2.71E+01	1.33E+05	4.94E+05		
1.50E+01	1.80E+04	1.64E+04	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.80E+05	2.69E+05	3.34E+02	9.61E+02	1.82E-05	1.82E-05	3.40E+02	2.17E+02	8.52E+03	3.71E+04		
2.00E+01	2.68E+03	2.39E+03	1.82E-05	1.82E-05	1.82E-05	1.82E-05	6.25E+04	6.00E+04	3.57E+01	8.05E+01	1.82E-05	1.82E-05	1.28E-02	1.82E-02	9.16E+02	7.90E+03		
3.00E+01	2.81E+02	2.50E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.81E+04	9.67E+03	1.12E+01	1.09E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	4.17E+02	7.68E+03		
4.00E+01	3.66E+01	3.19E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.94E+03	1.84E+03	7.21E+00	2.14E+00	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.20E+02	5.90E+03		
5.00E+01	3.78E+00	2.65E+00	1.82E-05	1.82E-05	1.82E-05	1.82E-05	7.19E+02	6.80E+02	4.49E+00	8.92E-01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.50E+02	3.24E+03		
6.00E+01	3.70E-01	1.92E-01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.46E+02	2.32E+02	2.43E+00	1.85E-01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.45E+02	1.62E+03		
7.00E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.35E+02	9.35E-01	2.77E-01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.23E+02	1.82E-05		
1.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	4.66E+01										
1.50E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	8.52E+00										
2.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.21E+00										
3.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.27E-01										
4.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05										
Electron	1999 AE8- Min	1999 AE8- Max	2006 AE8- Min	2006 AE8- Max	2009 AE8- Min	2009 AE8- Max	2012 AE8- Min	2012 AE8- Max	1999 CRRESELE- Ave	1999 CRRESELE- Peak	2006 CRRESELE- Ave	2006 CRRESELE- Peak	2009 CRRESELE- Ave	2009 CRRESELE- Peak	2012 CRRESELE- Ave	2012 CRRESELE- Peak		
4.00E-02	6.41E+11	9.74E+11	5.48E+11	5.46E+11	4.88E+11	6.95E+11	2.84E+11	5.19E+11										
1.00E-01	3.92E+11	6.12E+11	3.11E+11	3.12E+11	3.15E+11	4.51E+11	1.82E+11	3.54E+11										
2.00E-01	1.39E+11	2.28E+11	8.06E+10	8.25E+10	1.32E+11	1.85E+11	6.93E+10	1.51E+11										
3.00E-01	7.26E+10	1.10E+11	3.41E+10	3.44E+10	7.36E+10	9.37E+10	3.23E+10	6.24E+10										
4.00E-01	4.27E+10	6.20E+10	1.66E+10	1.66E+10	4.48E+10	5.39E+10	1.83E+10	3.19E+10										
5.00E-01	2.56E+10	3.84E+10	8.59E+09	8.59E+09	2.74E+10	3.35E+10	1.09E+10	1.90E+10	3.28E+10	1.28E+11	1.09E+09	1.06E+10	2.14E+10	6.99E+10	1.87E+10	9.35E+10		
6.00E-01	1.52E+10	2.36E+10	4.43E+09	4.43E+09	1.66E+10	2.07E+10	6.38E+09	1.13E+10	2.29E+10	9.66E+10	6.86E+08	7.47E+09	1.45E+10	5.24E+10	1.29E+10	6.84E+10		
7.00E-01	1.08E+10	1.67E+10	2.78E+09	2.78E+09	1.16E+10	1.43E+10	4.53E+09	7.78E+09	1.52E+10	7.08E+10	3.85E+08	5.00E+09	9.16E+09	3.83E+10	8.37E+09	4.83E+10		
8.00E-01	7.59E+09	1.16E+10	1.75E+09	1.75E+09	8.03E+09	9.73E+09	3.20E+09	5.34E+09	1.26E+10	7.10E+10	2.60E+08	4.22E+09	7.14E+09	3.77E+10	6.80E+09	4.60E+10		
1.00E+00	4.46E+09	6.68E+09	8.26E+08	8.26E+08	4.61E+09	5.50E+09	1.89E+09	3.02E+09	1.09E+10	7.94E+10	1.59E+08	3.73E+09	5.62E+09	4.16E+10	5.72E+09	4.86E+10		
1.25E+00	2.60E+09	3.91E+09	3.59E+08	3.59E+08	2.64E+09	3.18E+09	1.11E+09	1.74E+09	5.09E+09	4.53E+10	5.50E+07	1.68E+09	2.39E+09	2.44E+10	2.68E+09	2.64E+10		
1.50E+00	1.53E+09	2.43E+09	1.69E+08	1.69E+08	1.50E+09	1.82E+09	6.54E+08	1.09E+09	1.33E+09	1.77E+10	4.31E+06	3.70E+08	4.56E+08	1.02E+10	7.12E+08	9.55E+09		
1.75E+00	9.05E+08	1.54E+09	7.94E+07	7.94E+07	8.55E+08	1.05E+09	3.90E+08	6.99E+08	4.83E+08	7.05E+09	1.28E+06	1.32E+08	1.53E+08	3.97E+09	2.65E+08	3.80E+09		
2.00E+00	5.78E+08	9.72E+08	4.63E+07	4.63E+07	5.28E+08	6.36E+08	2.49E+08	4.45E+08	2.04E+08	3.18E+09	4.58E+05	5.51E+07	6.05E+07	1.76E+09	1.14E+08	1.71E+09		
2.25E+00	3.70E+08	6.15E+08	2.70E+07	2.70E+07	3.26E+08	3.86E+08	1.60E+08	8.94E+07	1.42E+09	1.86E+05	2.48E+07	1.86E+05	2.48E+07	7.60E+08	5.13E+07	7.71E+08		
2.50E+00	2.41E+08	4.15E+08	1.31E+07	1.31E+07	2.02E+08	2.36E+08	1.04E+08	1.92E+08	4.13E+07	6.44E+08	7.97E+04	1.18E+07	1.05E+07	3.32E+08	2.47E+07	3.59E+08		
2.75E+00	1.59E+08	2.81E+08	6.23E+06	6.23E+06	1.26E+08	1.45E+08	6.76E+07	1.30E+08	2.05E+07	3.08E+08	3.62E+04	6.04E+06	4.64E+06	1.51E+08	1.28E+07	1.79E+08		
3.00E+00	1.03E+08	1.76E+08	3.73E+06	3.73E+06	7.86E+07	8.88E+07	4.43E+07	8.24E+07	1.08E+07	1.71E+08	1.69E+04	3.34E+06	2.18E+06	7.74E+07	7.07E+06	1.06E+08		
3.25E+00	6.76E+07	1.11E+08	2.23E+06	2.23E+06	4.89E+07	5.44E+07	2.92E+07	5.24E+07	5.81E+06	9.54E+07	7.80E+03	1.73E+06	1.04E+06	4.07E+07	4.03E+06	6.28E+07		
3.50E+00	4.55E+07	7.08E+07	1.48E+06	1.48E+06	3.07E+07	3.36E+07	1.99E+07	3.38E+07	3.06E+06	5.23E+07	3.42E+03	8.07E+05	4.81E+05	2.12E+07	2.25E+06	3.64E+07		
3.75E+00	3.06E+07	4.52E+07	9.77E+05	9.77E+05	1.32E+07	2.06E+07	1.36E+07	2.17E+07	1.57E+06	3.12E+07	1.78E+03	4.10E+05	2.14E+05	1.13E+07	1.24E+06	2.31E+07		
4.00E+00	1.93E+07	2.64E+07	5.77E+05	5.77E+05	1.09E+07	1.14E+07	8.77E+06	1.30E+07	8.34E+05	1.96E+07	8.91E+02	2.08E+05	9.58E+04	6.11E+06	7.09E+05	1.56E+07		
4.25E+00	1.23E+07	1.54E+07	3.43E+05	3.43E+05	6.19E+06	6.28E+06	5.73E+06	7.75E+06	4.61E+05	1.28E+07	3.80E+02	1.02E+05	4.40E+04	3.34E+06	4.24E+05	1.10E+07		
4.50E+00	7.10E+06	8.46E+06	2.14E+05	2.14E+05	3.27E+06	3.30E+06	3.40E+06	4.31E+06	2.71E+05	8.65E+06	2.17E+02	6.05E+04	2.29E+04	2.03E+06	2.67E+05	7.88E+06		
4.75E+00	4.10E+06	4.61E+06	1.18E+05	1.18E+05	1.69E+06	1.69E+06	2.02E+06	2.38E+06	1.68E+05	6.02E+06	1.72E+02	4.17E+04	1.32E+04	1.33E+06	1.76E+05	5.68E+06		
5.00E+00	2.13E+06	2.37E+06	2.90E+04	2.90E+04	6.85E+05	6.86E+05	1.12E+06	1.29E+06	1.10E+05	4.35E+06	1.39E+02	2.99E+04	8.08E+03	9.18E+05	1.22E+05	4.24E+06		
5.50E+00	7.05E+05	7.36E+05	1.81E+03	1.81E+03	1.38E+05	1.38E+05	4.11E+05	4.36E+05	5.09E+04	2.39E+06	9.36E+01	1.63E+04	3.37E+03	4.63E+05	6.39E+04	2.48E+06		
6.00E+00	1.63E+05	1.64E+05	1.82E-05	1.82E-05	1.41E+04	1.40E+04	1.04E+05	1.05E+05	2.39E+04	1.34E+06	6.44E+01	8.97E+03	1.41E+03	2.36E+05	3.45E+04	1.48E+06		
6.50E+00	3.38E+04	3.39E+04																

E [MeV]	Integral intensity I(>E) [#/(cm2 sr orb)]								1.82E+04 (s/orb)/(4p)									
Proton	1999 AP8- Min	1999 AP8- Max	2006 AP8- Min	2006 AP8- Max	2009 AP8- Min	2009 AP8- Max	2012 AP8- Min	2012 AP8- Max	1999 CRRESPRO- Quiet	1999 CRRESPRO- Active	2006 CRRESPRO- Quiet	2006 CRRESPRO- Active	2009 CRRESPRO- Quiet	2009 CRRESPRO- Active	2012 CRRESPRO- Quiet	2012 CRRESPRO- Active		
1.00E-01	1.30E+11	1.30E+11	2.04E+09	1.98E+09	3.66E+10	3.62E+10	9.33E+10	9.36E+10										
1.50E-01	1.02E+11	1.01E+11	9.88E+08	9.56E+08	2.45E+10	2.42E+10	7.61E+10	7.64E+10										
2.00E-01	7.98E+10	7.93E+10	4.80E+08	4.63E+08	1.67E+10	1.64E+10	6.26E+10	6.28E+10										
3.00E-01	5.30E+10	5.26E+10	1.76E+08	1.70E+08	8.64E+09	8.46E+09	4.47E+10	4.48E+10										
4.00E-01	3.58E+10	3.55E+10	6.47E+07	6.24E+07	4.63E+09	4.51E+09	3.23E+10	3.24E+10										
5.00E-01	2.50E+10	2.47E+10	2.63E+07	2.54E+07	2.54E+09	2.46E+09	2.42E+10	2.43E+10										
6.00E-01	1.76E+10	1.74E+10	1.07E+07	1.04E+07	1.43E+09	1.38E+09	1.83E+10	1.83E+10										
7.00E-01	1.28E+10	1.26E+10	4.20E+06	4.07E+06	8.43E+08	8.09E+08	1.41E+10	1.41E+10										
1.00E+00	5.20E+09	5.09E+09	2.87E+05	2.79E+05	1.82E+08	1.72E+08	6.84E+09	6.84E+09										
1.50E+00	1.37E+09	1.33E+09	5.46E+03	5.40E+03	1.96E+07	1.83E+07	2.37E+09	2.36E+09	1.88E+08	1.67E+08	1.82E-05	1.82E-05	1.30E+06	9.29E+05	5.81E+08	6.03E+08		
2.00E+00	3.87E+08	3.72E+08	1.82E-05	1.82E-05	2.30E+06	2.11E+06	8.95E+08	8.88E+08	6.83E+07	5.95E+07	1.82E-05	1.82E-05	2.99E+05	2.16E+05	2.60E+08	2.99E+08		
3.00E+00	7.56E+07	7.19E+07	1.82E-05	1.82E-05	1.40E+05	1.26E+05	2.59E+08	2.55E+08	4.08E+06	4.19E+06	1.82E-05	1.82E-05	6.29E+03	7.16E+03	3.73E+07	6.56E+07		
4.00E+00	1.56E+07	1.47E+07	1.82E-05	1.82E-05	8.94E+03	7.92E+03	8.36E+07	8.18E+07	7.85E+05	9.56E+05	1.82E-05	1.82E-05	1.35E+03	1.85E+03	1.05E+07	2.35E+07		
5.00E+00	5.74E+06	5.36E+06	1.82E-05	1.82E-05	1.41E+03	1.23E+03	3.95E+07	3.85E+07	2.42E+05	3.32E+05	1.82E-05	1.82E-05	5.04E+02	7.76E+02	4.07E+06	1.09E+07		
6.00E+00	2.13E+06	1.98E+06	1.82E-05	1.82E-05	2.48E+02	2.13E+02	1.91E+07	1.85E+07	7.21E+04	1.17E+05	1.82E-05	1.82E-05	2.42E+02	3.70E+02	1.63E+06	5.47E+06		
7.00E+00	1.07E+06	9.84E+05	1.82E-05	1.82E-05	3.06E+01	2.24E+01	1.12E+07	1.08E+07	2.93E+04	5.69E+04	1.82E-05	1.82E-05	1.07E+02	1.30E+02	7.11E+05	2.85E+06		
1.00E+01	1.86E+05	1.69E+05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	3.82E+06	2.90E+06	3.70E+03	9.85E+03	1.82E-05	1.82E-05	3.40E-01	2.17E-01	1.00E+05	5.97E+05		
1.50E+01	2.46E+04	2.19E+04	1.82E-05	1.82E-05	1.82E-05	1.82E-05	6.46E+05	6.19E+05	5.97E+02	8.01E+02	1.82E-05	1.82E-05	9.56E-02	1.82E-05	2.07E+04	2.68E+05		
2.00E+01	5.70E+03	5.05E+03	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.21E+05	2.11E+05	3.64E+02	2.45E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.52E+04	2.27E+05		
3.00E+01	7.40E+02	6.41E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	4.65E+04	4.41E+04	2.26E+02	5.39E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	9.83E+03	1.53E+05		
4.00E+01	7.55E+01	5.30E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.89E+04	1.78E+04	1.40E+02	2.76E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	6.88E+03	7.31E+04		
5.00E+01	7.40E+00	3.83E+00	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	7.81E+03	8.17E+01	1.11E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	5.43E+03	3.52E+04		
6.00E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	4.47E+03	4.16E+03	4.99E+01	9.75E+00	1.82E-05	1.82E-05	1.82E-05	1.82E-05	3.88E+03	8.27E+03		
7.00E+01	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.89E+03	2.68E+03	3.31E+01	7.44E+00	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.54E+03	2.81E+03		
1.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	9.07E+02	8.27E+02									
1.50E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	2.08E+02	1.88E+02										
2.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	5.54E+01	5.06E+01										
3.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05										
4.00E+02	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05	1.82E-05										
Electron	1999 AE8- Min	1999 AE8- Max	2006 AE8- Min	2006 AE8- Max	2009 AE8- Min	2009 AE8- Max	2012 AE8- Min	2012 AE8- Max	1999 CRRESELE- Ave	1999 CRRESELE- Peak	2006 CRRESELE- Ave	2006 CRRESELE- Peak	2009 CRRESELE- Ave	2009 CRRESELE- Peak	2012 CRRESELE- Ave	2012 CRRESELE- Peak		
4.00E-02	7.43E+10	1.17E+11	4.68E+10	4.71E+10	6.69E+10	9.11E+10	3.45E+10	6.78E+10										
1.00E-01	4.34E+10	6.90E+10	2.10E+10	2.14E+10	4.28E+10	5.68E+10	2.05E+10	4.17E+10										
2.00E-01	2.50E+10	3.80E+10	9.55E+09	9.62E+09	2.57E+10	3.21E+10	1.09E+10	2.00E+10										
3.00E-01	1.56E+10	2.33E+10	4.86E+09	4.86E+09	1.63E+10	1.98E+10	6.65E+09	1.15E+10										
4.00E-01	1.04E+10	1.59E+10	2.73E+09	2.73E+09	1.09E+10	1.33E+10	4.43E+09	7.57E+09										
5.00E-01	7.06E+09	1.09E+10	1.55E+09	1.55E+09	7.38E+09	9.01E+09	2.99E+09	5.09E+09	1.13E+10	7.07E+10	2.35E+08	3.72E+09	6.28E+09	3.80E+10	6.13E+09	4.47E+10		
6.00E-01	5.31E+09	8.23E+09	1.01E+09	1.01E+09	5.46E+09	6.62E+09	2.25E+09	3.77E+09	8.48E+09	5.95E+10	1.46E+08	2.82E+09	4.49E+09	3.19E+10	4.55E+09	3.66E+10		
7.00E-01	4.03E+09	6.23E+09	6.66E+08	6.66E+08	4.06E+09	4.88E+09	1.71E+09	2.83E+09	6.68E+09	5.14E+10	9.78E+07	2.23E+09	3.38E+09	2.75E+10	3.55E+09	3.10E+10		
8.00E-01	3.16E+09	4.89E+09	4.58E+08	4.58E+08	3.14E+09	3.76E+09	1.35E+09	2.21E+09	5.45E+09	4.53E+10	6.91E+07	1.82E+09	2.65E+09	2.42E+10	2.88E+09	2.69E+10		
1.00E+00	2.08E+09	3.26E+09	2.38E+08	2.38E+08	2.01E+09	2.42E+09	8.89E+08	1.47E+09	2.85E+09	2.71E+10	2.83E+07	9.24E+08	1.29E+09	1.47E+10	1.51E+09	1.56E+10		
1.25E+00	1.26E+09	2.05E+09	1.17E+08	1.17E+08	1.41E+09	5.42E+08	9.33E+08	7.95E+08	1.09E+10	2.43E+06	2.43E+06	2.21E+08	2.65E+08	6.18E+09	4.31E+08	5.90E+09		
1.50E+00	7.75E+08	1.31E+09	5.81E+07	5.81E+07	6.92E+08	8.31E+08	3.34E+08	5.99E+08	3.01E+08	4.47E+09	7.55E+05	8.27E+07	9.20E+07	2.47E+09	1.67E+08	2.43E+09		
1.75E+00	4.98E+08	8.36E+08	3.27E+07	3.27E+07	4.27E+08	5.05E+08	2.15E+08	3.86E+08	1.30E+08	2.04E+09	2.80E+05	3.57E+07	3.69E+07	1.10E+09	7.45E+07	1.12E+09		
2.00E+00	3.22E+08	5.37E+08	1.84E+07	1.84E+07	2.64E+08	3.07E+08	1.39E+08	2.50E+08	5.90E+07	9.39E+08	1.16E+05	1.66E+07	1.54E+07	4.84E+08	3.51E+07	5.30E+08		
2.25E+00	2.09E+08	3.50E+08	9.55E+06	9.55E+06	1.63E+08	1.87E+08	9.07E+07	1.63E+08	2.82E+07	4.53E+08	5.08E+04	8.12E+06	6.63E+06	2.20E+08	1.76E+07	2.68E+08		
2.50E+00	1.37E+08	2.29E+08	4.95E+06	4.95E+06	1.01E+08	1.14E+08	5.95E+07	1.08E+08	1.43E+07	2.31E+08	2.34E+04	4.19E+06	2.98E+06	1.05E+08	9.45E+06	1.45E+08		
2.75E+00	8.90E+07	1.42E+08	3.01E+06	3.01E+06	6.21E+07	6.89E+07	3.89E+07	6.76E+07	7.56E+06	1.31E+08	1.10E+04	2.24E+06	1.40E+06	5.43E+07	5.29E+06	8.83E+07		
3.00E+00	5.80E+07	8.86E+07	1.84E+06	1.84E+06	3.81E+07	4.16E+07	2.57E+07	4.26E+07	4.07E+06	7.65E+07	5.28E+03	1.17E+06	6.61E+05	2.90E+07	3.04E+06	5.56E+07		
3.25E+00	3.74E+07	5.43E+07	1.15E+06	1.15E+06	2.28E+07	2.45E+07	1.68E+07	2.64E+07	2.18E+06	4.53E+07	2.52E+03	5.72E+05	3.06E+05	1.56E+07	1.75E+06	3.55E+07		
3.50E+00	2.42E+07	3.34E+07	7.21E+05	7.21E+05	1.37E+07	1.44E+07	1.11E+07	1.64E+07	1.17E+06	2.88E+07	1.38E+03	3.03E+05	1.40E+05	8.66E+06	1.02E+06	2.42E+07		
3.75E+00	1.46E+07	1.89E+07	4.08E+05	4.08E+05	7.46E+06	7.71E+06	6.86E+06	9.48E+06	6.54E+05	1.92E+07	8.08E+02	1.68E+05	6.60E+04	5.00E+06	6.25E+05	1.73E+07		
4.00E+00	8.92E+06	1.08E+07	2.32E+05	2.32E+05	4.08E+06	4.12E+06	4.31E+06	5.52E+06	3.83E+05	1.32E+07	4.92E+02	9.73E+04	3.28E+04	3.00E+06	4.01E+05	1.27E+07		
4.25E+00	4.95E+06	5.74E+06	1.19E+05	1.19E+05	2.00E+06	2.01E+06	2.47E+06	3.01E+06	2.37E+05	9.36E+06	3.63E+02	6.41E+04	1.82E+04	1.95E+06	2.71E+05	9.49E+06		
4.50E+00	2.79E+06	3.07E+06	6.10E+04	6.10E+04	9.84E+05	9.85E+05	1.44E+06	1.65E+06	1.53E+05	6.80E+06	3.02E+02	4.62E+04	1.09E+04	1.33E+06	1.90E+05	7.19E+06		
4.75E+00	1.40E+06	1.51E+06	1.22E+04	1.22E+04	3.64E+05	3.65E+05	7.72E+05	8.55E+05	1.01E+05	5.03E+06	2.54E+02	3.39E+04	6.72E+03	9.33E+05	1.37E+05	5.55E+06		
5.00E+00	7.39E+05	7.70E+05	1.81E+03	1.81E+03	1.39E+05	1.39E+05	4.35E+05	4.60E+05	6.90E+04	3.79E+06	2.16E+02	2.53E+04	4.28E+03	6.66E+05	1.02E+05	4.35E+06		
5.50E+00	1.69E+05	1.70E+05	1.82E-05	1.82E-05	1.41E+04	1.41E+04	1.08E+05	1.10E+05	3.41E+04	2.25E+06	1.61E+02	1.48E+04	1.89E+03	3.57E+05	5.97E+04	2.79E+06		
6.00E+00	3.45E+04	3.46E+04	1.82E-05	1.82E-05	9.32E+02	9.32E+02	2.36E+04	2.38E+04	1.82E+04	1.40E+06	1.23E+02	9.06E+03	9.14E+02	2.03E+05	3.76E+04	1.87E+06		
6.50E+00	6.13E+03	6.																