

### **SEP-spectrum-PSP (unical\_sep\_psp\_spectrum.json):**

Proton energy spectra for widespread target events observed from Parker Solar Probe spacecraft. The data used to calculate the energy spectra were taken from the LET1, LET2 and HET instruments in the energy range (0.6 – 95 MeV), with a resolution of 1 hour (URL: <https://cdaweb.gsfc.nasa.gov/index.html>). Columns:

- 1) the geometric mean energy (MeV) for LET1 and HET instruments;
- 2) the time averaged differential fluxes of energetic particles ( $\text{cm}^{-2} \text{s}^{-1} \text{sr}^{-1} \text{MeV}^{-1}$ ), calculated over the duration of the SEP event, for LET1 and HET (calibrated where necessary) for side A;
- 3) the time averaged differential fluxes of energetic particles ( $\text{cm}^{-2} \text{s}^{-1} \text{sr}^{-1} \text{MeV}^{-1}$ ), calculated over the duration of the SEP event, for LET1 and HET (calibrated where necessary) for side B;
- 4) the geometric mean energy (MeV) for LET2 instrument;
- 5) the time averaged differential fluxes of energetic particles ( $\text{cm}^{-2} \text{s}^{-1} \text{sr}^{-1} \text{MeV}^{-1}$ ), calculated over the duration of the SEP event, for LET2;
- 6) the name of the spacecraft.