

- ❑ This contribution is about protons inside the South Atlantic Anomaly, measured by the High-Energy Particle Detector (HEPD) on board the CSES-01 satellite, above 40 MeV and during the period between 2018 and 2020
- ❑ It is interesting because it allows a validation of the NASA AP9 models, now that the Van Allen Probes ceased to take data
- ❑ We used a matrixial approach to account for the anisotropy inside the Anomaly
- ❑ The agreement between HEPD proton data and AP9 - as a function of energy, local pitch angle and L-shell - is pretty good