

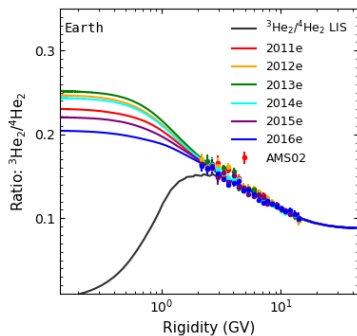
Numerical modeling of the solar modulation of helium isotopes in the inner heliosphere

M.D. Ngobeni^{1,2}, M.S. Potgieter³, O.P.M. Aslam¹, D. Bisschoff¹, I.I. Ramokgaba², D.C. Ndiitwani^{1,2}

1. Centre for Space Research, North-West University, 2520 Potchefstroom, South Africa
2. School of Physical and Chemical Sciences, North-West University, South Africa
3. Institute for Experimental and Applied Physics, Christian Albrechts University in Kiel, Germany



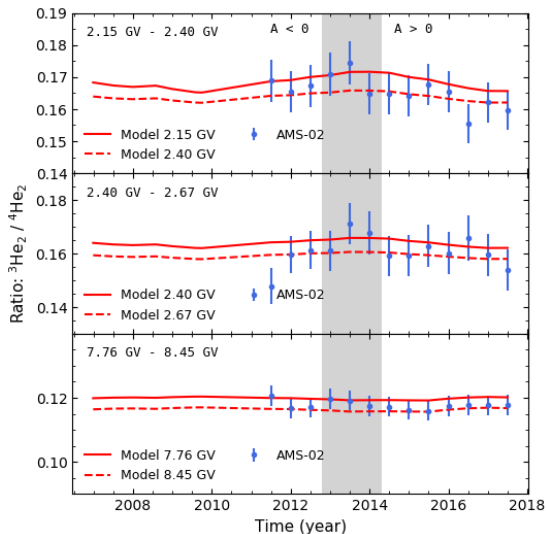
Rigidity dependence of ${}^3\text{He}_2$ to ${}^4\text{He}_2$ ratios



The numerical model can reproduce the:

- Single rigidity power law dependence; and
- Time independence of this ratio above 4 GV.

Time variation in ${}^3\text{He}_2$ to ${}^4\text{He}_2$ ratios



More on ${}^3\text{He}_2$ and ${}^4\text{He}_2$ during the poster session

Assumed time dependence of the DCs and their slopes

