



Observation of Solar Particle Events and monitoring of Galactic Cosmic Rays flux using neutron spectroscopy data obtained in different planetary missions.

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The fluxes of solar protons during 2001-2013 measured with GOES and ACE missions have been used to compare it with measurements of neutron flux made by neutron spectrometers in various planetary missions such as HEND/Odyssey, BTN/ISS, LEND/LRO, DAN/MSL. We have also analyzed data from these experiments to monitor variations of Galactic Cosmic Rays (GCRs) flux within current solar cycle.