



Variations of Galactic and Solar Cosmic Rays during 2001 – 2014

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The fluxes of GCR during 2001-2014 measured with GOES and ACE missions have been used to compare them with measurements of neutron flux made by neutron spectrometers in various planetary missions such as HEND/Odyssey, BTN/ISS, LEND/LRO, DAN/MSL. This analysis shown good agreement between long-term neutron and proton trends associated with 11-year cycle but some features especially during short-periodic changes of the space environment were noted. Observations of Solar Particle Events and x-ray flares registered by these instruments in different part of Solar System are presented.