



International space station Radiation environment during solar events

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The Liulin-5 charged molecule telescope notices the radiation qualities in the round tissue-same ghost of MATROSHKA-R worldwide undertaking on the International Space Station (ISS) since June 2007. In this paper consideration is attracted to the outcomes from the estimations of portion rate and molecule motion increment during the Sunlight based Energetic Particles Events (SPE) happened in March 2012. During that SPE the sun powered particles entered at high geographic scopes in the areas of the south and north Earth attractive poles and at $3 < L$ they caused molecule motion and portion rates increment in every one of the three identifiers of Liulin-5, situated at 40, 60 and 165 mm profundities along the apparition's range. The most extreme motion at 40 mm profundity saw outside the South Atlantic Anomaly (SAA) during that SPE arrived at 7.2 part/cm².s and the portion rate arrived at 107.8 μ Gy/h on 07.03.2012, 13:06 UT at L=4. The extra ingested portion got from SPE is around 180 μ Gy and extra portion identical roughly 448 μ Sv. These extra openings are practically identical to the arrived at the midpoint of every day retained portion and portion comparable estimated in the round apparition in ISS during very radiation conditions. Talked about are the straight energy move spectra estimated and quality variables got during and after the SPE. Thought about are information from Liulin-5 and other molecule indicators in space during the SPE.