

## Geomagnetic cutoff simulations for low-energy cosmic rays

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Low-energy cosmic rays and solar particles are strongly deflected by Earth's geomagnetic field. Due to the structure of the field a location and direction depend geomagnetic cutoff is apparent. This presentation will present geomagnetic cutoff simulations using the PLANETOCOSMICS software with the IGRF geomagnetic field and the Tsyganenko magnetosphere. The development over time during the AMS-02 data taking period will be discussed.

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