

Measured Cosmogenic Background at RENO

Friday 6 July 2018 20:15 (15 minutes)

The isotopes of ^8He and ^9Li produced by cosmic-rays are a main source for backgrounds in reactor neutrino experiments. The isotope decays to a neutron and an electron and mimics an inverse beta decay of an electron antineutrino from reactors. The $^8\text{He}/^9\text{Li}$ background spectrum and rate are measured using the data taken by the RENO experiment, and compared the with Monte-Carlo prediction. In this presentation, we report the measured cosmogenic background spectrum and rate at RENO.

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Session Classification: POSTER

Track Classification: Neutrino Physics