

Abstract Submitted  
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**Cosmic muon induced neutrons at Daya Bay** SHIH-KAI LIN, University of Houston — Cosmic muon induced neutrons and radioactive isotopes are a background for experiments such as neutrino oscillation, double beta decay and dark matter searches. The Daya Bay reactor neutrino experiment is equipped with a highly efficient muon tagging system which is composed of resistive plate chambers (RPCs) and water Cherenkov detectors, from which muon tracks are promising to be reconstructed within tens of centimeters. With reconstructed muon tracks, important physical quantities of cosmic muon induced neutrons could be measured.

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