



Poster session 2 – Tuesday 5 July

P2.058 Cosmogenic neutron production at the Daya Bay experiment

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on behalf of Daya Bay collaboration

Neutrons are an important background for underground experiments studying neutrino oscillations, neutrino-less double-beta decay, dark matter, and other rare-event signals. The poster will present the status of a study of neutron production by cosmogenic muons at the Daya Bay Reactor Neutrino Experiment. The experiment's configuration of multiple identical detectors at varying depths gives us the ability to measure neutron yield for different values of average muon energy within the same experiment. The current status of our study and future prospects will be discussed.