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East-West cosmic muon flux asymmetry

Huge rate of cosmic ray events in the Far Detector of the NOvA experiment allows us to study East-West asymmetry of cosmic ray muons - phenomenon connected to the geomagnetic field. This study is complicated by the fact that the overburden covering the detector and the rock surrounding it are also asymmetrical. Angular dependence of cosmic muon track reconstruction efficiency should be taken into account.

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