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Hit finding efficiency at ICARUS using Through-going Muons[1]
BISWARANJAN BEHERA, Colorado State University, ICARUS COLLABORATION — Through going muons are muon tracks which travel a substantial distance in the detector volume and then exit. They typically are cosmic muons hitting the detector, as ICARUS is on surface, or muons produced by neutrino interactions in the rock surrounding the ICARUS modules. This talk will report on hit-finding and track-finding efficiency for through-going muons in ICARUS detector. This is an important intermediate step towards a study of particle identification, calibration and correction of detector effects such as space charge effect.

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