

Abstract Submitted
for the APR11 Meeting of
The American Physical Society

Modeling Hadronic Showers in MINERvA JUAN PABLO VELASQUEZ, Pontificia Universidad Catolica del Peru, Lima, Peru, MINERVA COLLABORATION — The MINERvA Test Beam (TB) detector took data in a low energy test beam at Fermilab with particle energies from 400 MeV to 1.2 GeV. These data will be used to calibrate the MINERvA neutrino detector. One of the goals of this work is to characterize the length and radius of the hadronic showers produced in the TB data, important for the MINERvA DIS studies. Within the same study, we will perform a comparison of these hadronic showers with the different hadronic models available in GEANT4. The status of this study will be presented.

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Date submitted: 14 Jan 2011

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