

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Status of Dimuon Analysis in the MINOS Near Detector AZIZUR RAHAMAN, JIAJIE LING, SANJIB MISHRA, University of South Carolina, MINOS COLLABORATION — We present the status of neutrino induced dimuon events in the MINOS Near Detector (ND). The ND has 3.2M identified ν_μ -CC events with an identified single negative muon with an average neutrino energy (E_ν) of 10.5 GeV. The dimuon analysis focuses on the neutrino charm-production where the charmed hadron decays into a positive-muon. Estimates of signal (charm) efficiency and background, and sensitivity to physics parameters such as strange quark distribution and the mass parameter of the charm quark will be presented.

Azizur Rahaman
University of South Carolina

Date submitted: 11 Jan 2008

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