

Prospect of Dimuon Analysis at the MINOS Near Detector

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We present the prospect for a dimuon analysis at the MINOS Near Detector. A sample of about 10M muon-neutrino charged current events has been accumulated with the MINOS Near Detector. The dimuon analysis focuses on neutrino charm-production where the charmed hadron decays into a positive-muon. Estimates of signal efficiency and background, and the sensitivity to physics parameters will be presented.

Author: Dr RAHAMAN, Azizur (University of South Carolina)

Co-author: Prof. SANJIB, Mishra (University of South Carolina)

Presenter: Dr RAHAMAN, Azizur (University of South Carolina)

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