Abstract Submitted
for the APR07 Meeting of
The American Physical Society

Toward better understanding of MINOS neutrino flux using MIPP hadronic production data ANDRE LEBEDEV, Harvard University, MIPP COLLABORATION — The Main Injector Particle Production (FNAL E907) experiment is a full-acceptance spectrometer designed to provide particle ID for secondaries with momentum up to 90 GeV/c. The experiment has finished collecting a data set with 20 million events of hadronic interactions of protons, anti-protons, charged pions, and kaons on a number of thin targets from hydrogen to uranium with beam momentum from 5 to 120 GeV/c. In addition, the experiment recorded 1.9 million events of 120 GeV/c protons incident on the target used by NuMI/MINOS for neutrino production. I will discuss the status of data analysis, focusing on how MIPP data can improve understanding of the MINOS neutrino flux.

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Date submitted: 12 Jan 2007 Electronic form version 1.4