

Abstract Submitted  
for the APR06 Meeting of  
The American Physical Society

**MINERvA High-Statistics Neutrino-Nucleus Scattering using a Fine-grained Detector** MINSUK KIM, Pittsburgh University, MINERVA COLLABORATION — The extremely intense NuMI neutrino beam at Fermilab, constructed for the MINOS Neutrino Oscillation Experiment, is an ideal beam for a high-statistics, low-energy neutrino scattering experiment. The MINERvA Collaboration has been approved to put a fine-grained, fully-active scintillator detector directly upstream of the MINOS near detector to study topics of interest to both particle and nuclear physicists. The NuMI beam, proposed detector, and physics topics will be outlined.

Minsuk Kim  
Pittsburgh University

Date submitted: 14 Jan 2006

Electronic form version 1.4