

Abstract Submitted
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Review of MINERvA's Medium Energy Neutrino Physics Program¹ AMIT BASHYAL, HEIDI SCHELLMAN, Oregon State University, MINERVA COLLABORATION — The MINERvA experiment has completed its physics run using the 6-GeV, on-axis NuMI ME beam at Fermilab. The experiment received a total of 12E20 protons on target in both neutrino and antineutrino mode running. This allows MINERvA a new level of statistics in neutrino interaction measurements with the ability to measure multi-dimensional differential cross sections. In addition, in order to make the most of this jump in statistics, a new level of precision in flux prediction is also required. This talk will cover MINERvA's Medium Energy (ME) physics program, including the new kinematic regimes that are now accessible, and will also discuss the exceptional precision reached in flux determination.

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