

Abstract Submitted
for the DNP06 Meeting of
The American Physical Society

Multinode Photomultiplier Tube Alignment for the MINERvA Experiment at Fermilab JORGE BRUNO, James Madison University, MINERVA COLLABORATION — The MINERvA experiment (Main INjector **ExpeRiment** vA) at FNAL will study the neutrino-nucleon and neutrino-nucleus interaction. The light collection from the detector will be done via optic fibers using Hamamatsu H8804 64-channel photomultiplier tubes (PMT). Each PMT channel needs to be precisely aligned with the corresponding optic fiber. The MINERvA PMT optical boxes contain precision machined optic “cookies” which capture the 8x8 array of optic fibers. Each PMT-cookie pair needs to be aligned as precisely as possible. This contribution will describe the alignment setup and procedure implemented at James Madison University.

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Date submitted: 10 Jul 2006

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