

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Construction of, and Component Testing for, the SciBooNE Muon Range Detector Counters PAUL NIENABER, Saint Mary's University of Minnesota, SCIBOONE COLLABORATION — The Muon Range Detector (MRD) is one of three subsystems comprising the SciBooNE detector currently running in the Booster Neutrino Beamline at Fermilab. The MRD was constructed from recycled plastic scintillator panels and photomultiplier tubes between June 2006 and March 2007. This paper describes the selection, testing, and characterization of the photomultipliers, the testing of the completed counters, the assembly of the MRD itself, and its deployment in the SciBooNE detector enclosure and subsequent operation.

Paul Nienaber
Saint Mary's University of Minnesota

Date submitted: 11 Jan 2008

Electronic form version 1.4