

COMMISSIONING OF THE FERMILAB NUMI NEUTRINO BEAM

R.M. Zwaska, Fermilab, Batavia, Illinois

Abstract

NuMI (Neutrinos at the Main Injector) is an intense muon-neutrino beam used for long-baseline accelerator neutrino experiments. The neutrinos are produced from the interactions of a high-power, high-energy proton beam in a solid target. NuMI was commissioned in the winter of 2004-2005 and subsequently began regular operation. This talk will discuss: commissioning of the primary, secondary, and tertiary beams; beam-based alignment of the beam components; and incremental tuning of the accelerator and beam-line for high-power running (current max of ~ 250 kW).

**PAPER NOT YET
RECEIVED**