

Long Term Performance of the MINOS Calibration Procedure

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The MINOS experiment uses two detectors separated by 734 km to study neutrino oscillations between Fermilab and the Soudan Underground Laboratory. The MINOS detectors are steel-scintillator sampling tracking calorimeters and are calibrated based on the information obtained from an in-situ light injection system and cosmic ray muons. The Stability of the detectors monitored during the entire data collection period. The Calibration procedure corrects for the response variation of the scintillator, WLS fiber, photomultiplier tubes. In this talk I will discuss the calibration procedure and its implication on detector performance.

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