

Abstract Submitted
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Calibration of the Pi-Zero Detector at T2K PAUL ROJAS, Colorado State University, TOKAI TO KAMIOKE (T2K) COLLABORATION — The Pi-zero Detector (P0D), is a subdetector in the off-axis near detector (ND280) at the Tokai-to-Kamioka (T2K) neutrino experiment. It is a scintillating plastic bar-based detector utilizing Avalanche-Photo-Diode-based Multi-Pixel Photon Counters (MP-PCs) and is primarily used for the detection of neutral pions. The π^0 s are a significant background to an electron neutrino appearance measurement, and thus must be measured. As part of a precise π^0 measurement in the P0D, it is important that region-to-region variations are calibrated and accounted. I will present a description of the calibration procedure along with plans for improving the method as more calibration data is collected.

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