

Abstract Submitted  
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**$\nu_\mu$  Charged Current Inclusive Analysis using the Pi-Zero Detector and the Time Projection Chambers of the T2K Experiment** EREZ REINHERZ-ARONIS, ALEX CLIFTON, RAJ DAS, Colorado State University, ROBERT JOHNSON, ALYSIA MARINO, University of Colorado, WALTER TOKI, Colorado State University, TIANLU YUAN, University of Colorado —  $\nu_\mu$  Charge-Current events are produced and collected by the Tokai-to-Kamioka (T2K) Near Detectors (ND280). The talk focuses on the interactions which are created in the Pi-Zero (P $\emptyset$ D) detector and their momentum is measured by the Time Projection Chambers (TPCs). The events selection procedure of the analysis is described with its results. These results are presented as a ratio between selected Data events and simulated Monte Carlo events.

Erez Reinherz-Aronis  
Colorado State University

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