

Abstract Submitted
for the 4CF13 Meeting of
The American Physical Society

Charge Current Anti-Muon Neutrino Events in the Near Detector at T2K BRYAN BARNHART, Univ of Colorado - Boulder, T2K COLLABORATION — The main goal of the near detector at Tokai to Kamioka (T2K) is to constrain the flux of neutrinos present in the neutrino beam produced for the experiment. In addition to this neutrino flux is an anti-neutrino flux which is difficult to measure. To do so requires separating the large positive pion, proton, and wrong sign muon signals from the anti-muons that are generated by interactions in the detector. This talk will focus on the separation of the charged current anti-muon neutrino events from the various backgrounds present in the near detector.

Bryan Barnhart
Univ of Colorado - Boulder

Date submitted: 23 Sep 2013

Electronic form version 1.4