

Abstract Submitted
for the APR14 Meeting of
The American Physical Society

Improved measurement of ν_μ -induced charged-current single π^+ production flux-averaged absolute cross-section on water using the P0D detector of the ND280 detector complex in the T2K experiment¹ SHAMIL ASSYLBEKOV, ROBERT WILSON, Colorado State Univ, TOMASZ WACHALA, IFJ, Poland, T2K COLLABORATION — We report an improved measurement of the charged-current single positive pion (CC1 π^+) production cross-section on water using signal-enriched data samples obtained with the P0D Detector of the T2K experiment. The data favor a lower rate of forward going events when compared to that predicted by the NEUT Monte Carlo with default parameters.

¹DOE Support

Shamil Assylbekov
Colorado State Univ

Date submitted: 10 Jan 2014

Electronic form version 1.4