

Abstract Submitted  
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**Measurement of CC1PI+ on Water** SHAMIL ASSYLBEKOV, ROBERT WILSON, TOMASZ WACHALA, Colorado State University, T2K COLLABORATION — A two-track event selection has been developed to get a 63% pure CC1PI+ sample using ND280 Monte Carlo. We require exactly one forward going negatively charged good quality P0D-TPC matched track starting in the P0D fiducial region and exactly one P0D contained track with dE/dx PID applied. Two-parameter negative log likelihood fit in the  $\mu^-$  candidate momentum and  $\theta$  angle phase space is performed to extract the fitted signal and background event rates for the water-in-P0D and water-out-P0D samples independently. Afterwards a water-in/water-out data subtraction technique is applied to obtain a CC1PI+ event rate on water exclusively.

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