

# DUNE:ProtoDUNE-SP Simulation

# 2GeV/c Pion Beam

Candidates

Data/MC

- Signal (Charge Exchange) (32.1%)
- Absorption Background (0.0%)
- Pion Production Background ( $\pi^0 = 0$ ) (10.22%)
- Pion Production Background ( $\pi^0 = 1$ ) (24.09%)
- Pion Production Background ( $\pi^0 > 1$ ) (33.58%)
- Beam Background (0.00%)
- Data
- MC

