

# DUNE:ProtoDUNE-SP Simulation

2GeV/c Pion Beam

Candidates

Data/MC

- Signal (Charge Exchange) (27.9%)
- Absorption Background (0.0%)
- Pion Production Background ( $\pi^0 = 0$ ) (11.10%)
- Pion Production Background ( $\pi^0 = 1$ ) (27.28%)
- Pion Production Background ( $\pi^0 > 1$ ) (33.70%)
- Beam Background (0.00%)
- Data
- MC

