

# DUNE:ProtoDUNE-SP Simulation

# 2GeV/c Pion Beam

Candidates

Data/MC

- Signal (Charge Exchange) (21.2%)
- Absorption Background (1.5%)
- Pion Production Background ( $\pi^0 = 0$ ) (18.01%)
- Pion Production Background ( $\pi^0 = 1$ ) (21.21%)
- Pion Production Background ( $\pi^0 > 1$ ) (38.05%)
- Beam Background (0.00%)
- Data
- MC

