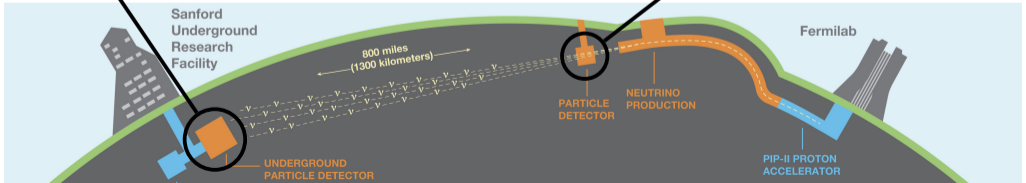
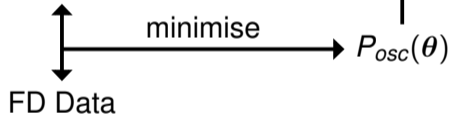
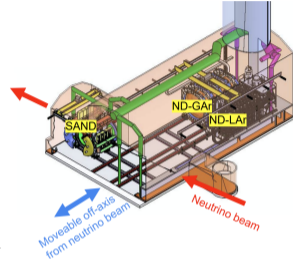
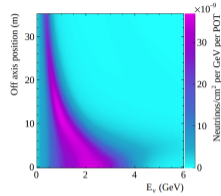
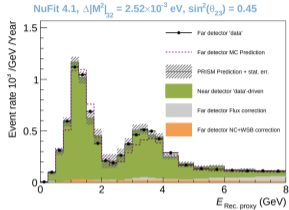


Translating Near to Far Detector for DUNE Oscillation Analysis

Alex Wilkinson

19 December 2023

PRISM - Using Off-Axis Measurements



Translating from Near to Far Detector

- ▶ FD prediction must correct for detector effects differences with ND (selection, resolution, backgrounds)
 - Using migration matrices requires a neutrino-nucleus interaction model
 - Consider as an image-to-image problem between detectors

