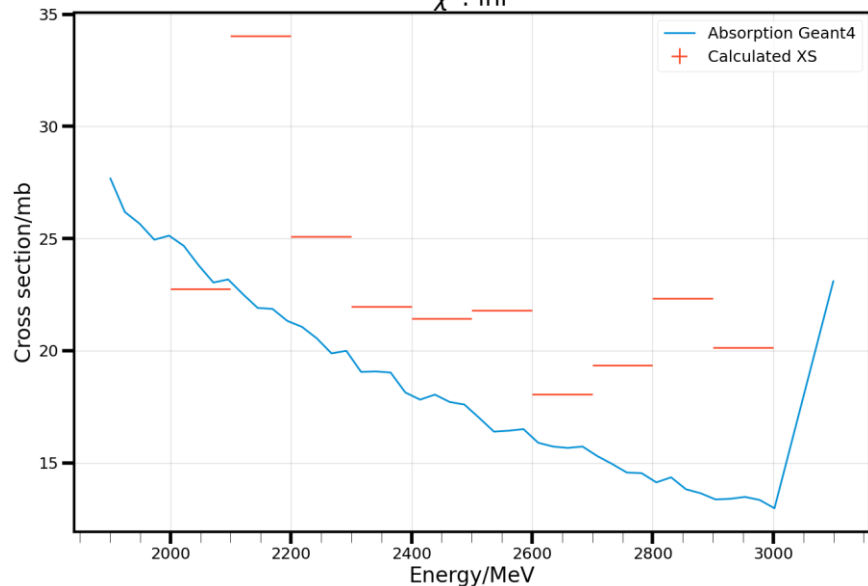# Remaining steps

Feb. 2025

TODO

- Update uncertainty calculation.

- Perform proper fit.

- Make some efficiency fixes:
  - Michel score after the fiducial cut (or perhaps ignoring electron diverter region).
  - Expected initial beam position as function of energy.

- Perform efficiency correction.

- Figure out systematics with RooUnfold.

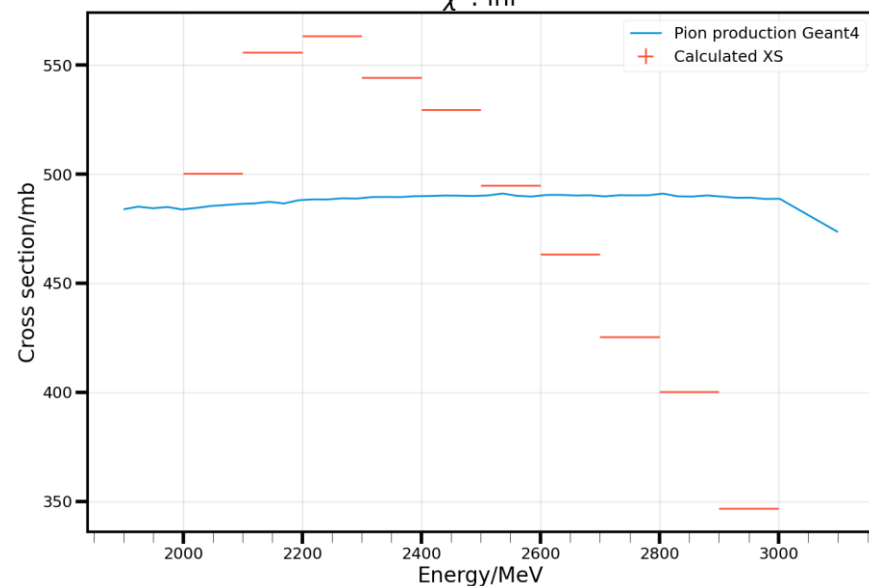- GNN model weighting for systematic.

Talk comments

- Concern about nuclear interaction model dependence.

- Variables differ between models.
  - I.e. leading proton angle.
  - Examples in Jake's technote

- Want to see GNN performance as function of these variables.

- My plan to reweight templates based on these variables when fitting to extract a systematic.
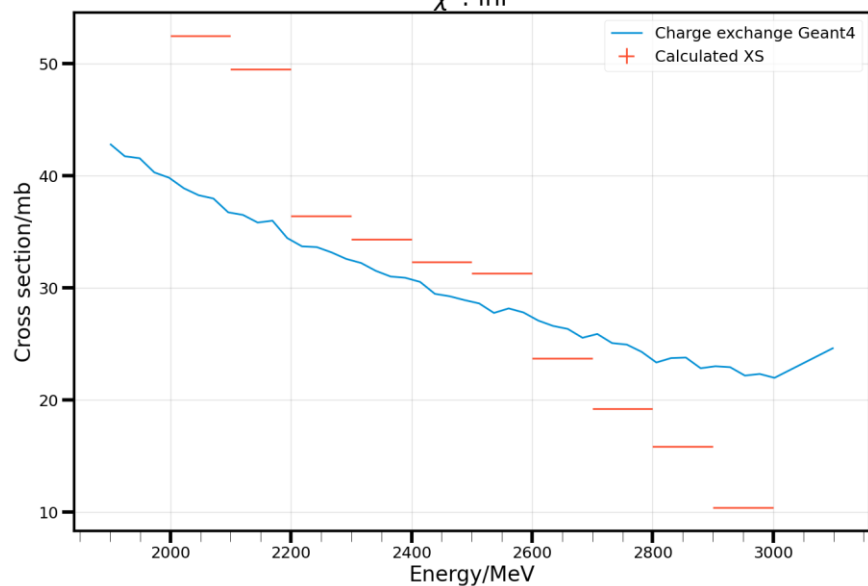
Truth process split