

UPDATE from WGs

cross-section WG:

- new group lead by Cheryl Patrick and Mateus Carneiro
- First meeting (5 people connected)
 - for helping LBL WG
 - for focusing on cross-section constrains
 - for creating links between the analysis in the ND detector groups

They like CAF format output

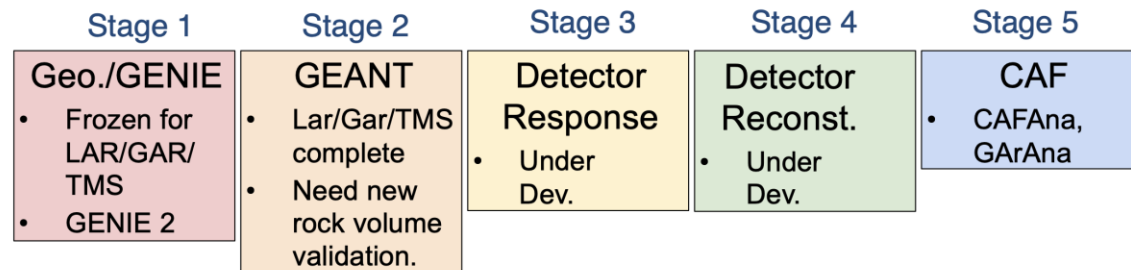
UPDATE from WGs

- ND-Software group (20 people) **Wednesday (bi-weekly at 10.00 CDT- 17.00 CET)**
- Goal: produce ND simulations data for TDR
 - they are at the very beginning ..and they have to restart with GENIE_v3

Staged Production Process/Status

Stage Steps

Freezes → Mini-Production → Validation → Full Production



Should we be included??

I think yes!



Stage 1/2 Mini Production 1

- Priority samples: Interactions ND-LAr volume (1e19 POT), Hall + ND-LAr + TMS (1e19 POT), Hall + ND-LAr + ND-Gar (1e19 POT), Rock (1e18 POT)

From last DUNE Collaboration meeting

TO DO (software)

- To join the DUNE official production:
 - we have to :
 - provide the most updated geometry
 - follow the production at FNAL within the ND software group
- to implement a CAF file output format (to be aligned with other WGs)
- to improve reconstruction
 - Kalman filter in STT
 - Shower reco in ECAL
 - Combining the three detectors
 - Fluka simu have to better included