

Acc & Beam Interface WG

- 2 sessions, to discuss status and plans for beam simulation/flux prediction and for engineering design of the LBNF beamline (optimized beam configuration)
- At the last Collaboration meeting at CERN, **attendance to the engineering design session was very limited, while we got very good attendance to the beam simulation session**
 - scientific input is needed in the engineering design and the process is actually a good training for students/postdocs. In addition we are still looking for contributions to the Beamline from the Collaboration
 - **this time we would propose to interleave scientific/simulation and engineering contributions**

Topics

- No final agenda yet, but these would be the topics (focus on optimized beam):
 - Status of the Target engineering design
 - Status of the Horn engineering design
 - Flux predictions and uncertainties, GEANT4 vs MARS comparison
 - ND to FD extrapolation for different ND positions
 - Possible initial implementation strategies for the optimized beam (2 vs 3 horns)
 - LBNF Project steps for Reference vs Optimized beam choice
 - Tunability of the beamline and max beam power reach (?)
 - Summary of Flux Spectrometer pre-meeting
 - Beam simulation plans for the future and call to the Collaboration for help