

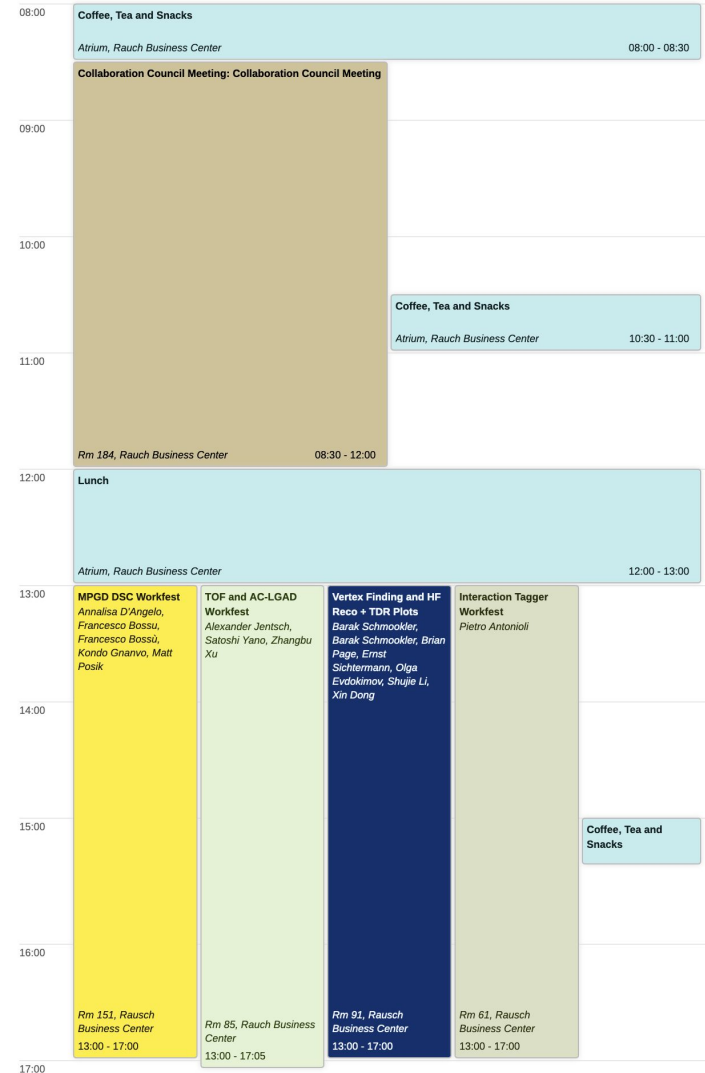
Merged Vertexing/HF/TDR plots Workfest

EICUG/ePIC meeting at Lehigh
July 26, 13:00 ET

<https://indico.bnl.gov/event/20727/sessions/7438/>

Four hours session for (email from Brain Page):

- Jets/HF and Vertexing groups discussing general progress on their respective topics, areas of concern, future plans,
- TDR plots:
 - Physics or detector plots go to TDR?
 - Additional algorithm or physics simulation channels?
- Time for working session?



Tracking QA

Tracking performance

Benchmark plots:

- Momentum resolution from Shyam.
- Script:
https://eicweb.phy.anl.gov/EIC/benchmarks/detector_benchmarks/-/blob/master/benchmarks/tracking_performances/Tracking_Performances.C?ref_type=heads
- Plots:
https://eicweb.phy.anl.gov/EIC/benchmarks/detector_benchmarks/-/jobs/3504700/artifacts/browse/results/tracking_performances

to do:

- Samples:
 - Add single particle simulation to production
 - Timeslice with beam background
- Variables:
 - Add angle and DCA resolution
 - Add example plots for efficiency, purity

Advanced tracking QA:

- Background study (Ben, Barak)
- Hits:
 - # of hits per track
 - acceptance
 - residual and chi2 distribution (Beatrice)

