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ENERGY

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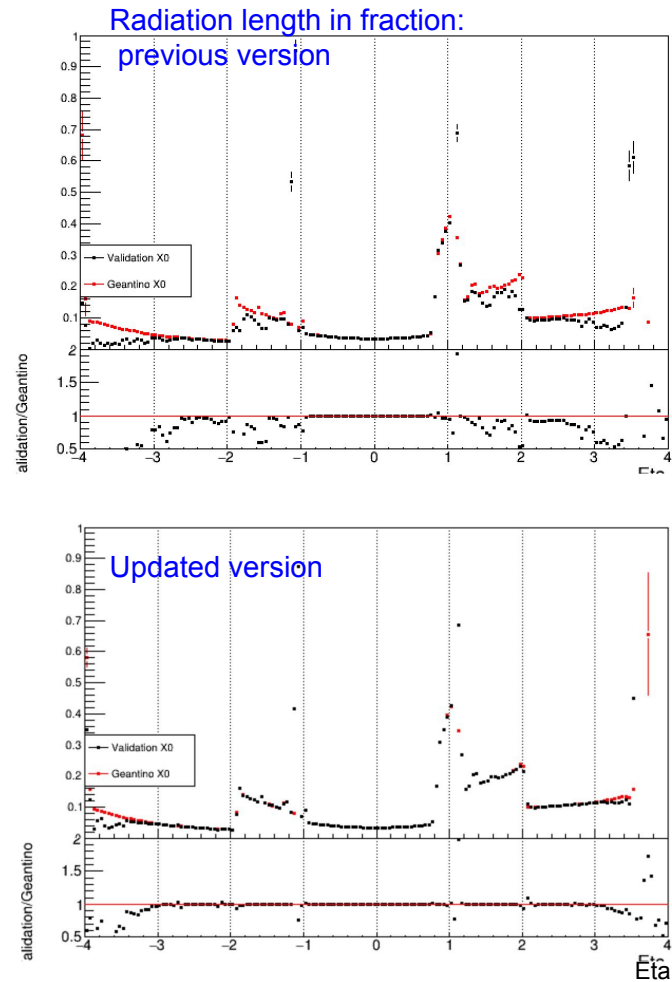
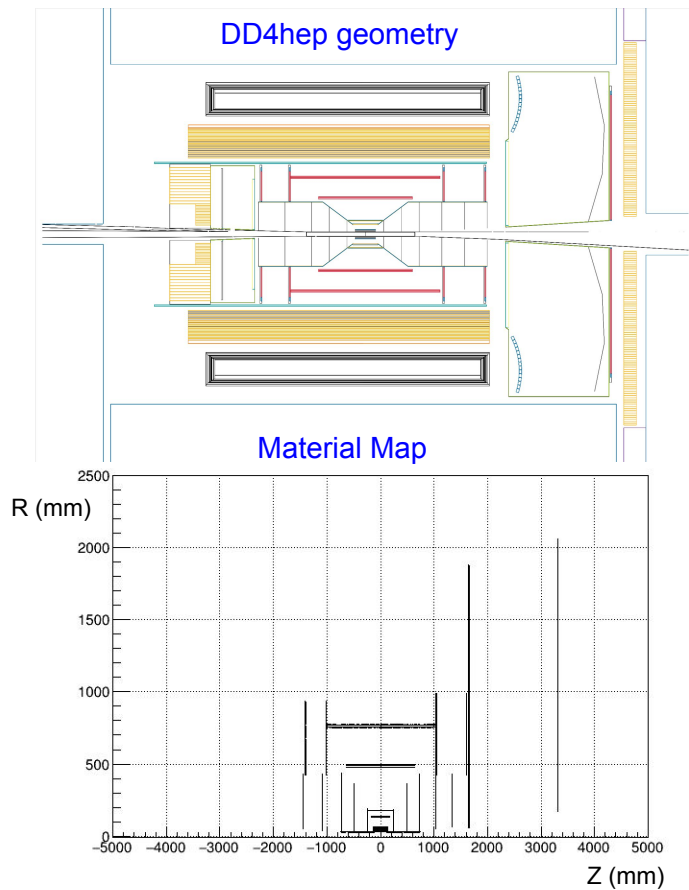
ATHENA-Acts Tracking Updates

Shujie Li

Nov 02, 2021

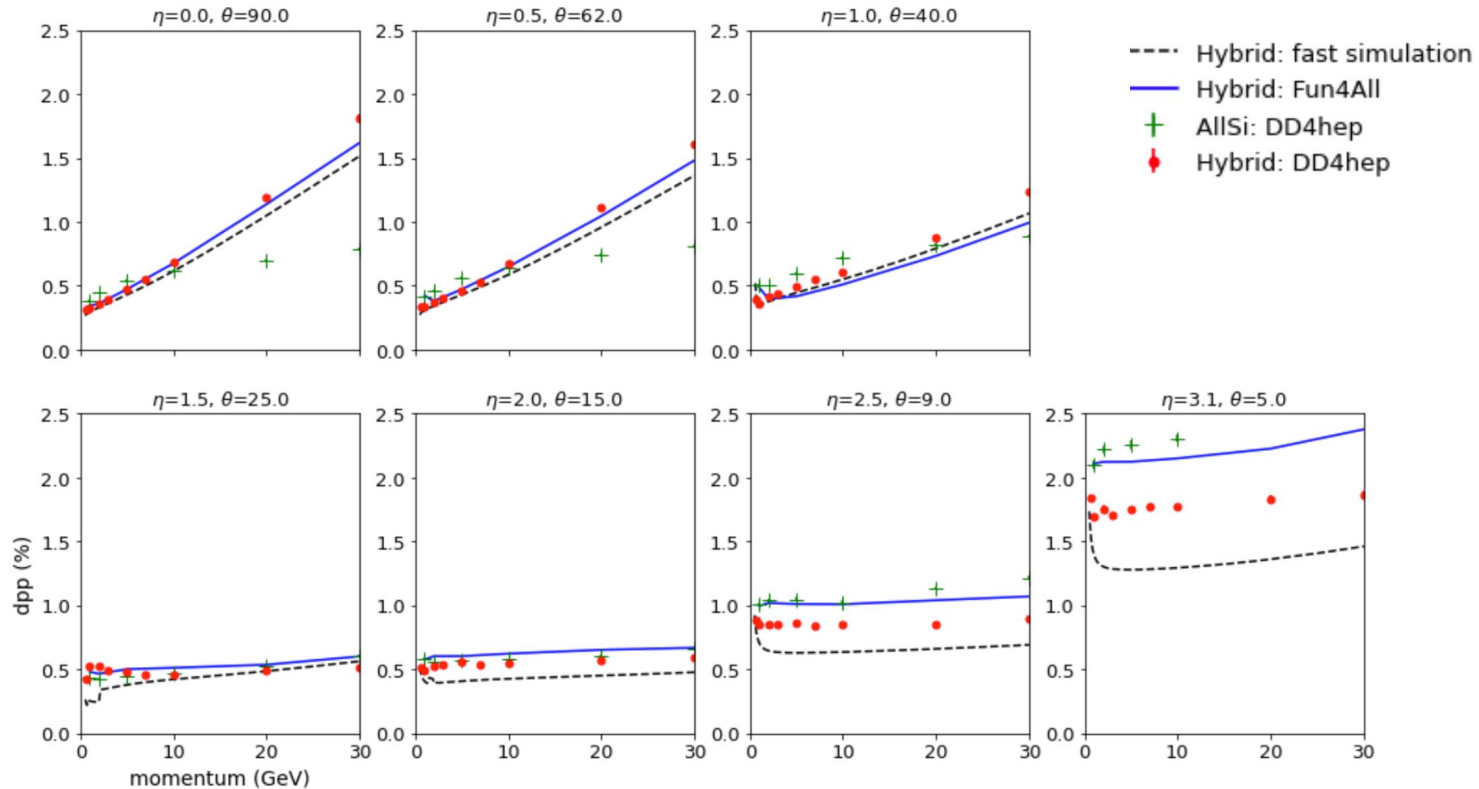


Updated Material map for Baseline 2



Momentum Resolution (dpp v.s. p)

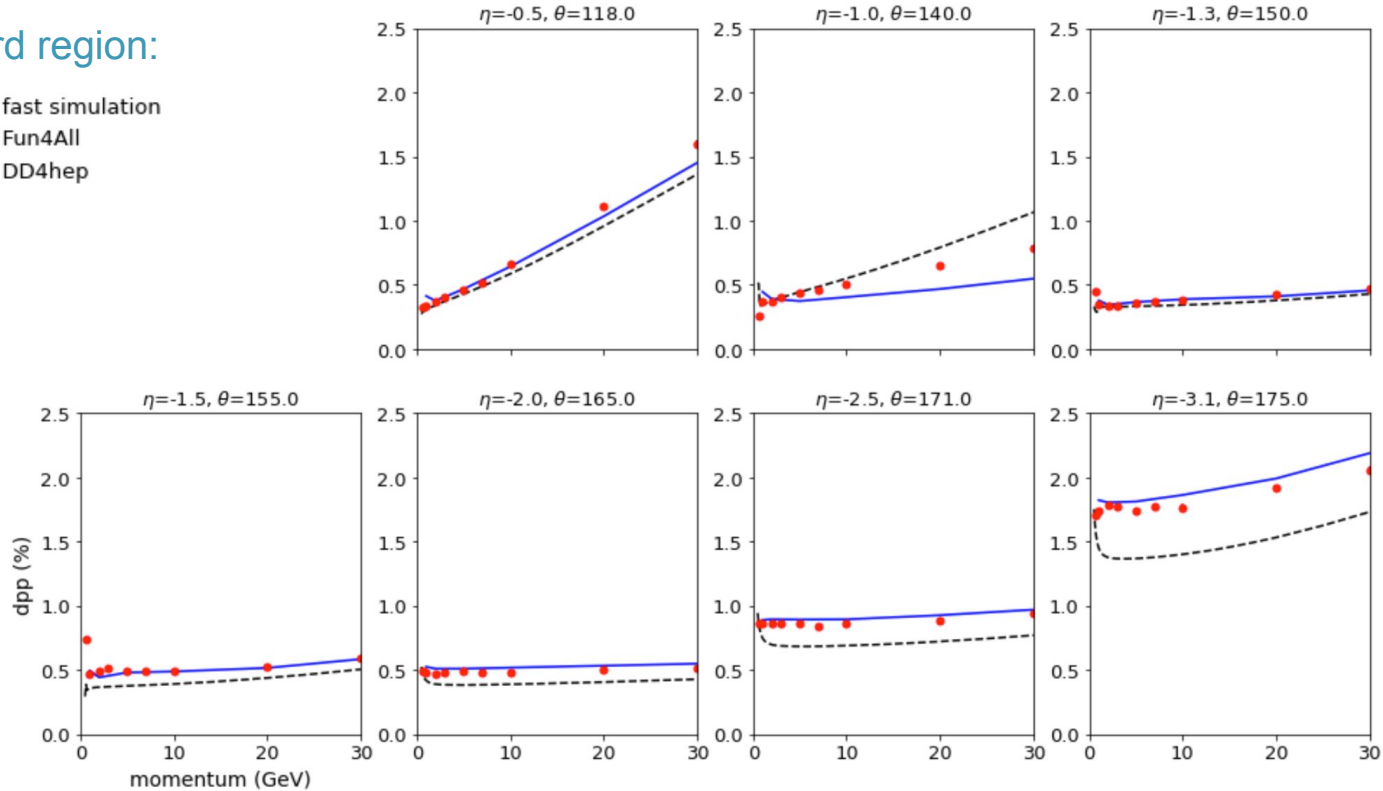
Forward region:



Momentum Resolution (dpp v.s. p)

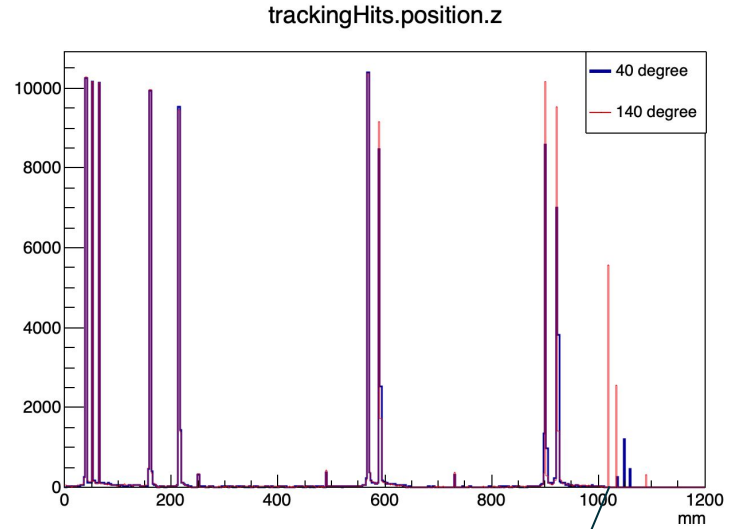
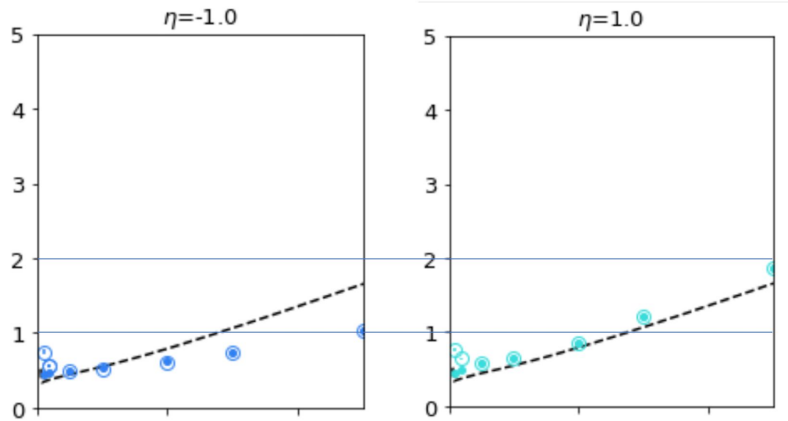
Backward region:

- Hybrid: fast simulation
- Hybrid: Fun4All
- ◆ Hybrid: DD4hep



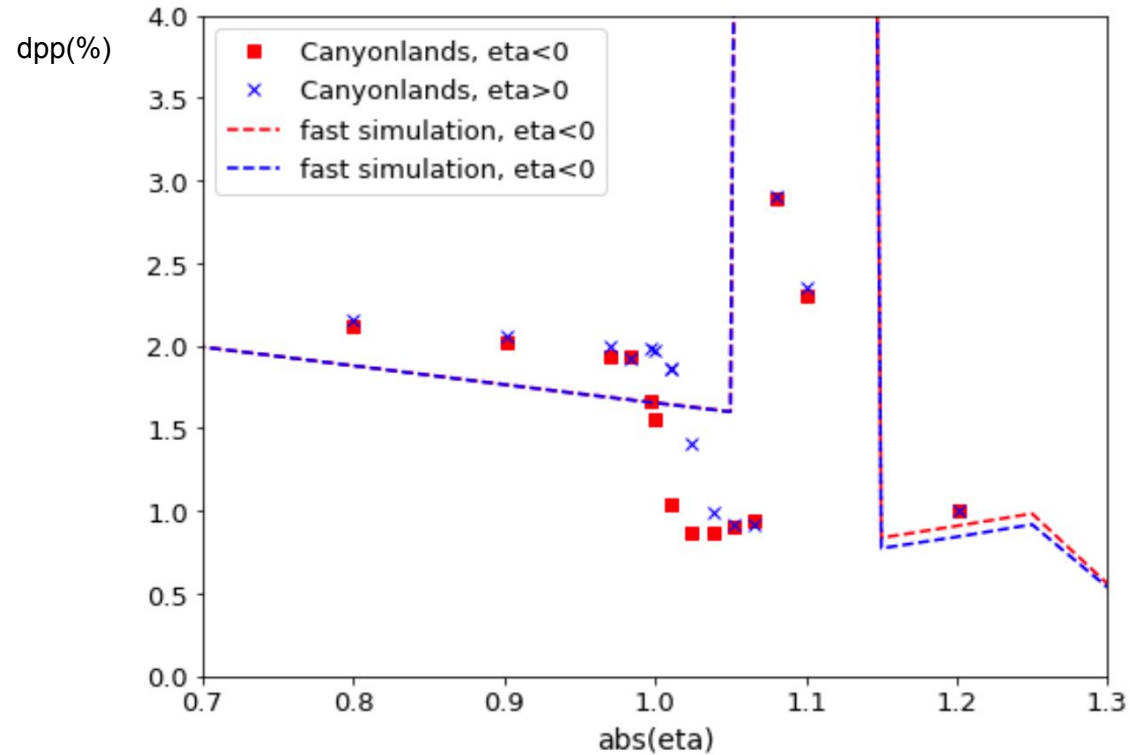
Momentum Resolution at Transition Region

- Inconsistency b/w eta = +-1 (theta = 40 and 140 degrees) from small offsets in implementation.



First GEM ring at -1.03m

Momentum Resolution at Transition Region



Angular Resolution

