

ATRAPP Meeting

Planning progression

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Official ITk plots

1) Move the Hashing code to core:

- 1) Move the code to core (local) ✓
- 2) Make the code compile ✓
- 3) Ensure same results than before ✓
- 4) Pull requests: Hashing (—), Container Policy, Event Timing, Root seed writer ✓, Root comparison

2) Link ACTS+Hashing version in Athena (TWiki) ✓

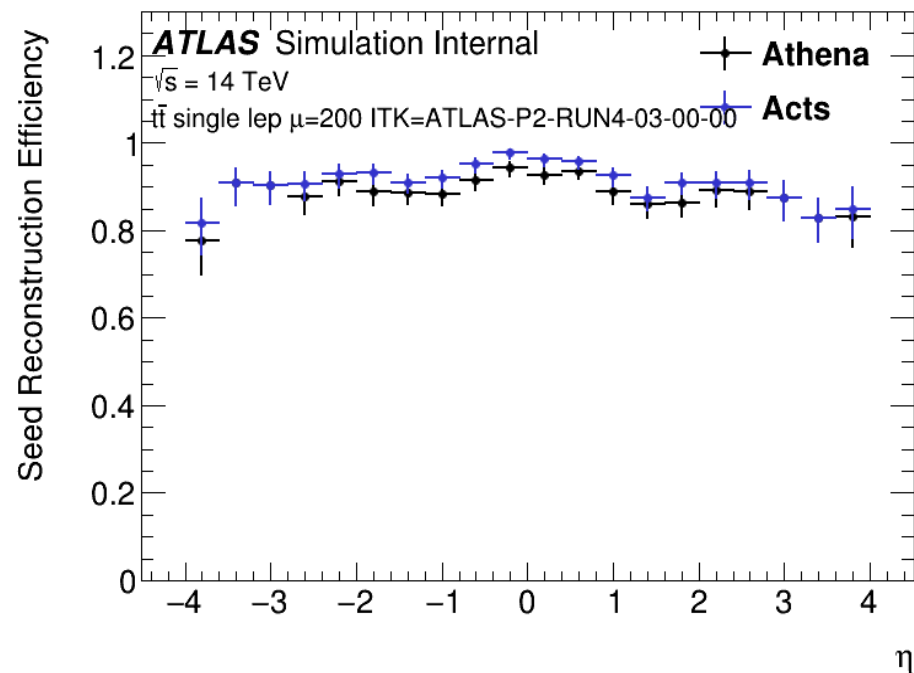
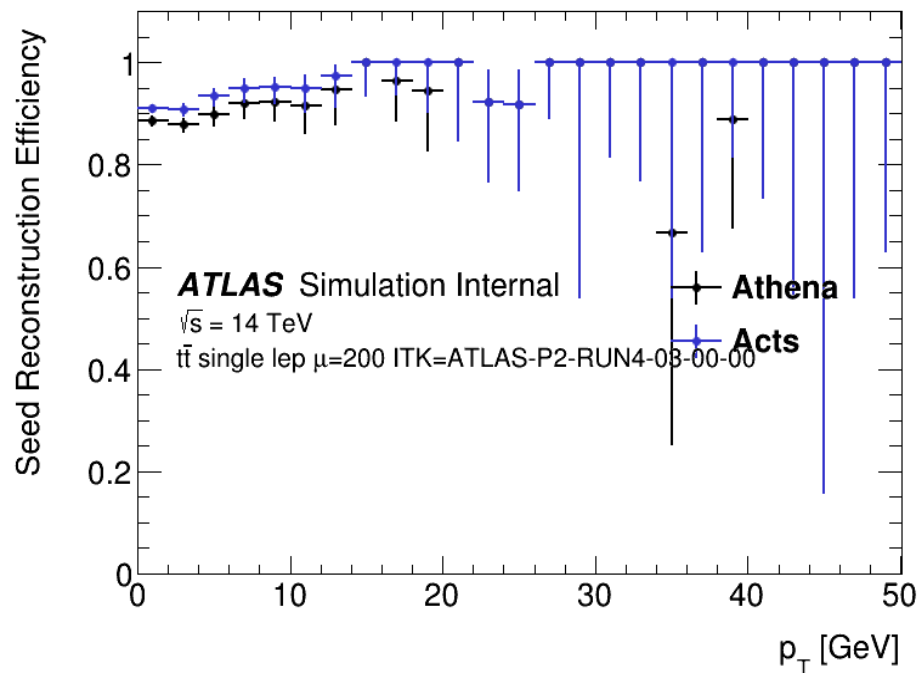
3) Reproduce official plots (with Florencia):

- 1) Athena + Default ✓
- 2) Athena + ACTS ✓
- 3) Athena + ACTS SSS only
- 4) Athena + ACTS PPP only

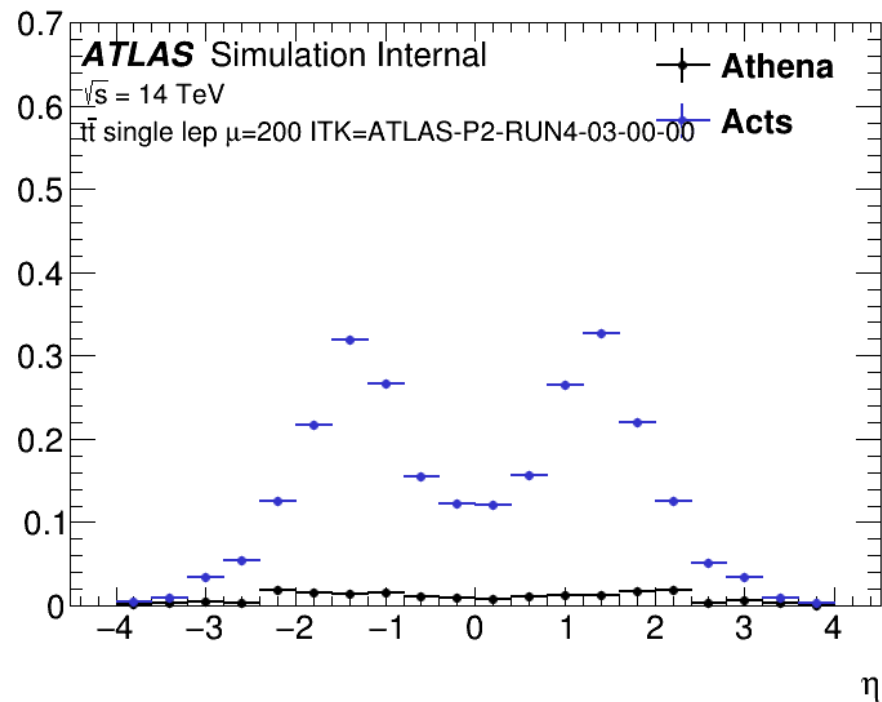
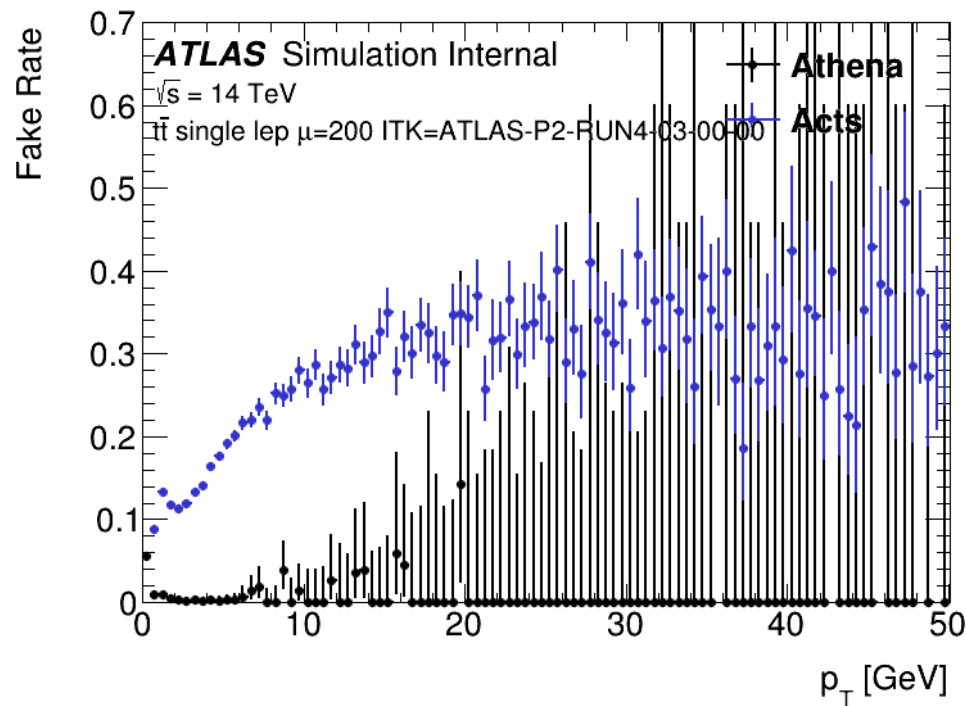
4) Edit seeding tool (in Athena) with Hashing (—)

5) Reproduce the plots with Hashing (Eff + CPU)

Seed Reconstruction Efficiency



Seed Reconstruction Fake Rate



Next

- 1) Get the data from GNN people (SP and truth) (Alexis) (**Dumped files**) (**Dumping code**)
- 2) Train NN (using **acorn**? It can already read the dumped files)