Tracking validation plots

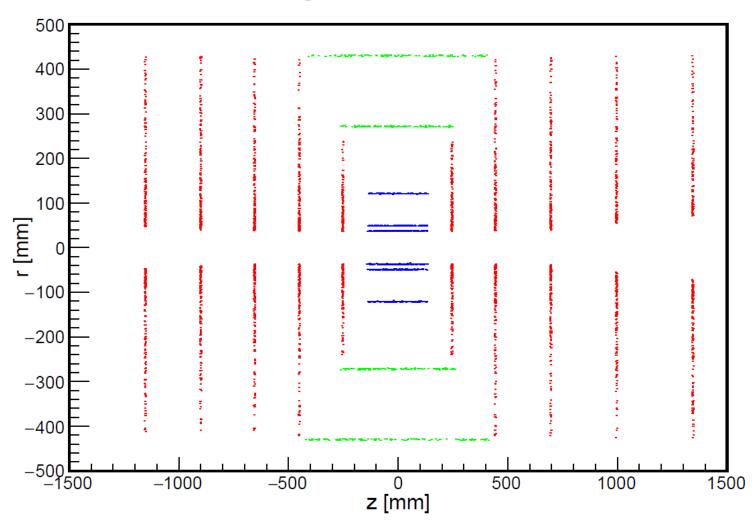
Barak Schmookler

Proposed plots

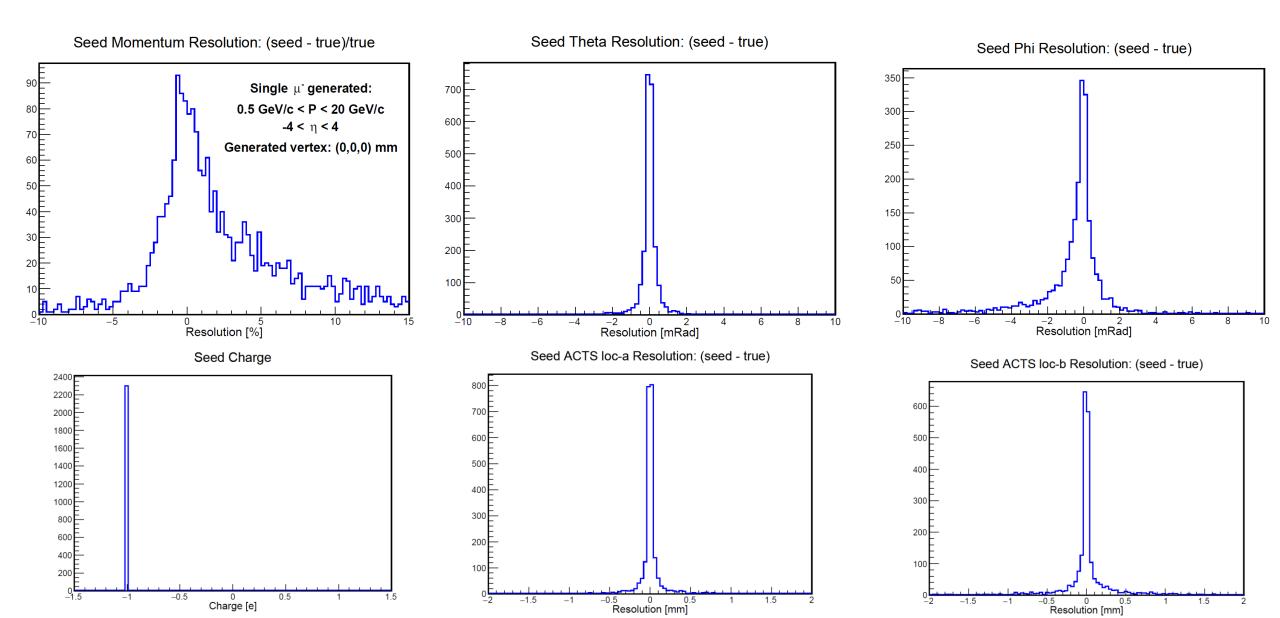
- Since the DD4HEP and ACTS versions which the collaboration uses will need to be occasionally updated, we need a set of validation plots which we can run to test those updates.
- These plots can be of 3 types, using single-particle events:
 - 1. Digitized (or Geant-level) tracker hits before any seeding or track finding/fitting.
 - 2. Seed reconstruction and efficiency plots.
 - 3. Track reconstruction and efficiency plots, using both truth and realistic seeding.

Digitized tracker hits in silicon detectors

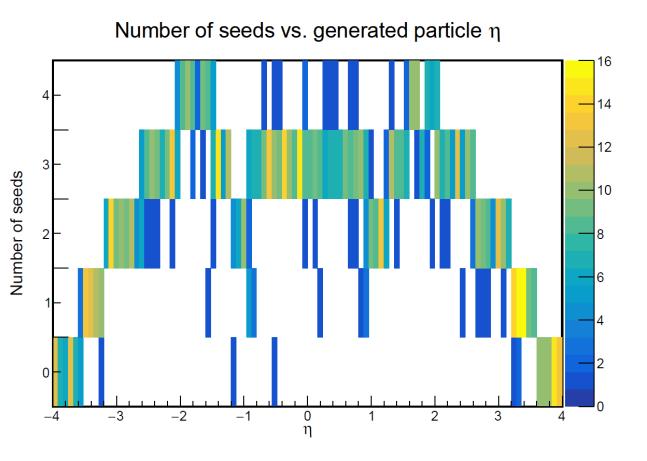
Digitized tracker hits

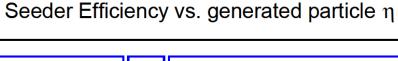


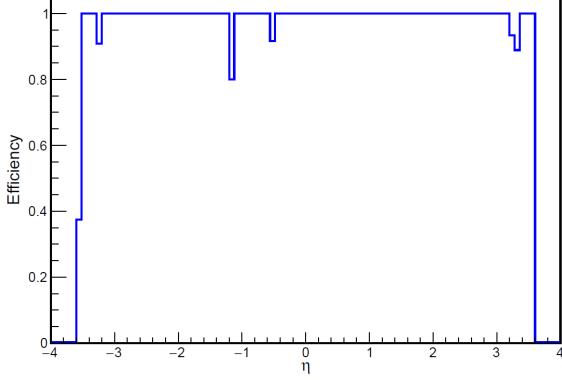
Seed Reconstruction



Seed multiplicity/efficiency







Track (CKF output) multiplicity – truth seeding

