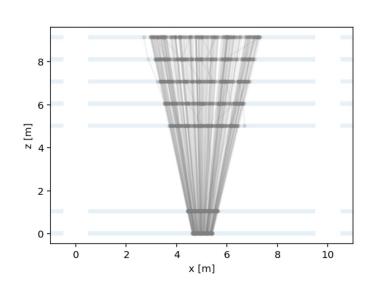
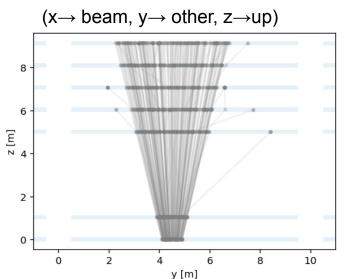
Simulation: muon gun, located at 2 m below the center of one detector (avoiding gaps and making sure muon hits every layer)

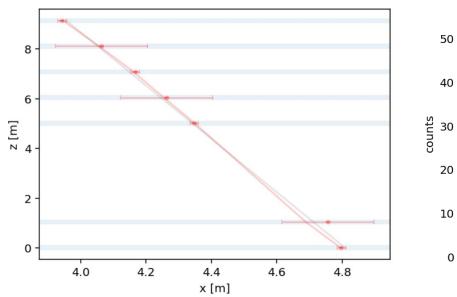
Energies used: 1, 2, 5, 10, 50, 100, 500 GeV

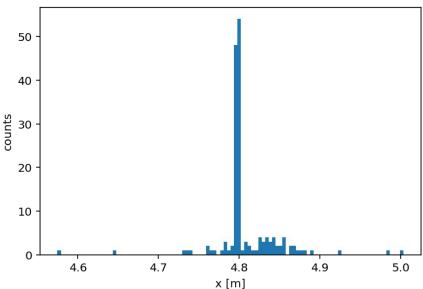




2. Tracker: using default setup, beta cut 0.8-1.2

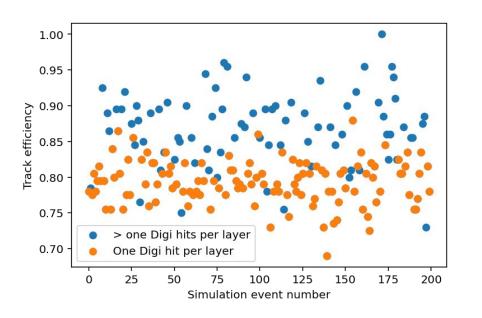
For each event, run tracker (and digitizer) 200 times

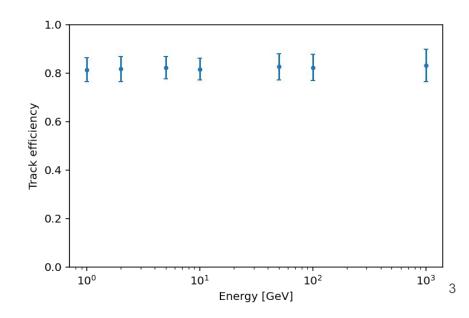




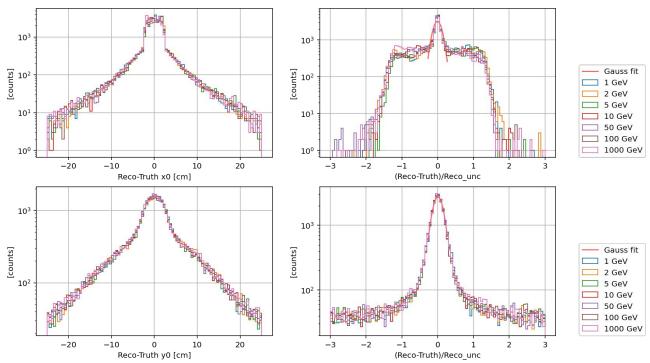
For each event, only 82% (+/- 5%) of the runs succeed.

There is no obvious energy dependency of the track efficiency.





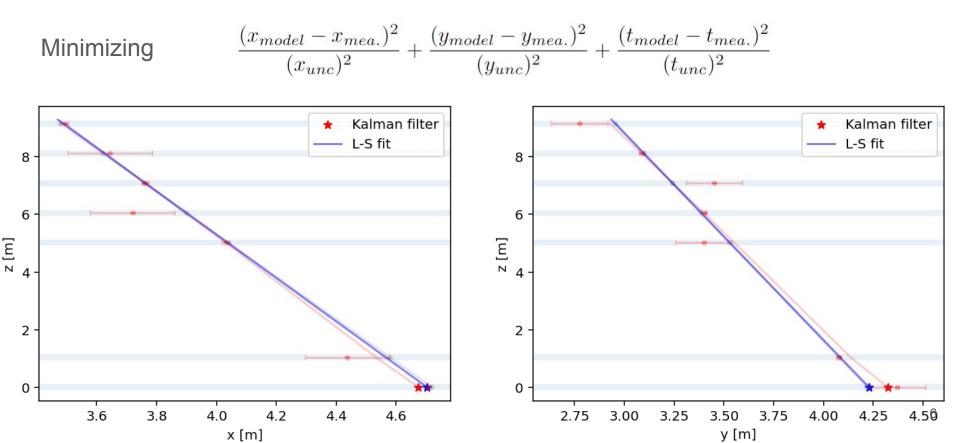
Error and pull plots

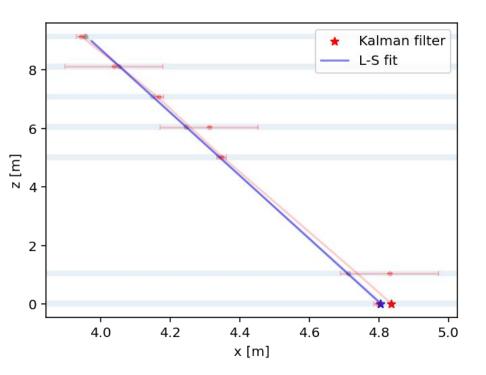


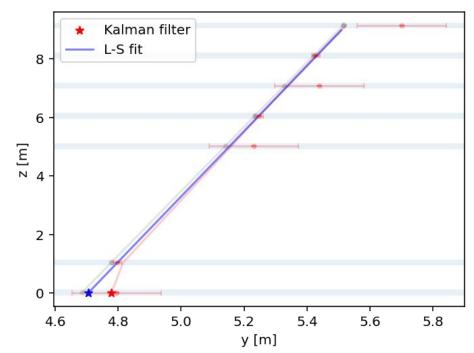
Two problems:

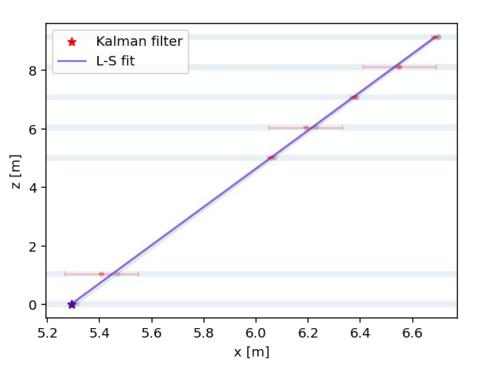
- 1) Efficiency: kind of low (82%)
- 2) Accuracy: Large spread beyond the gaussian core

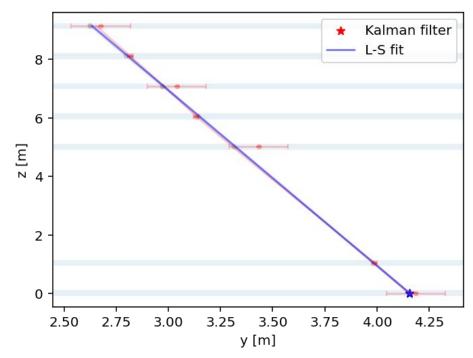
Compared with least square fit











Tracks that failed the Kalman filter

