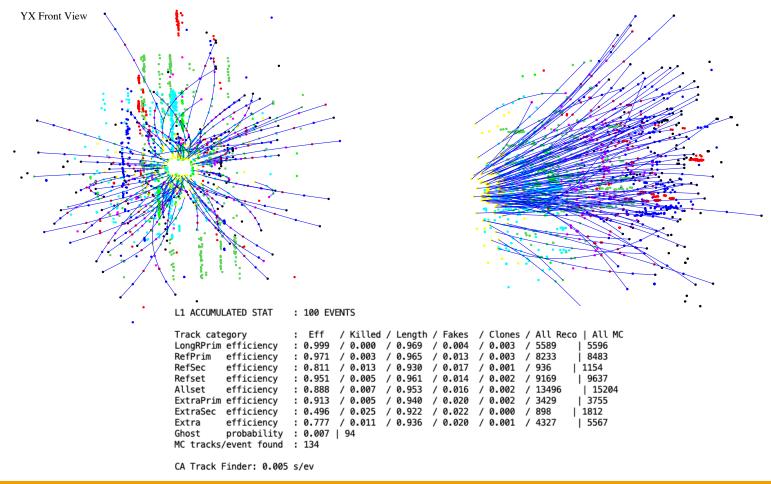
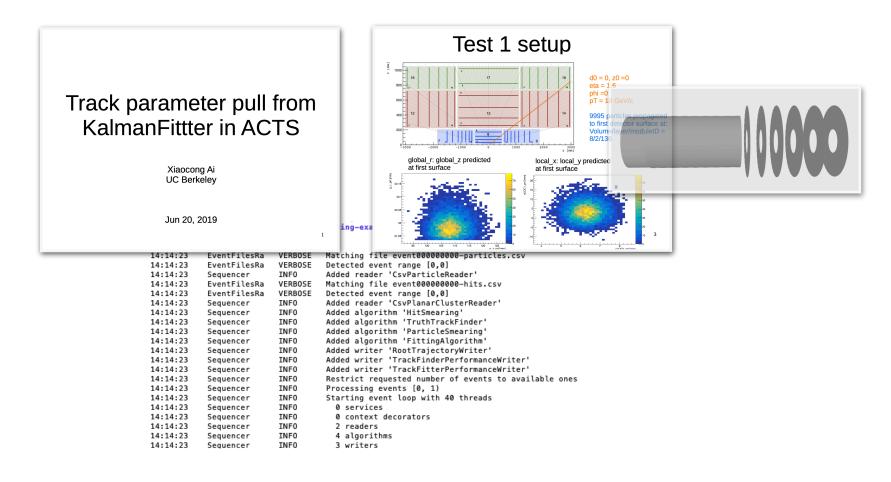
Frankfurt: Work with Standalone CBM CA Track Finder

- - Vectorization and parallelization of the algorithms (CA track finder)
 - Kalman filter for search of short-lived particles (KF Particle package)
- Learn finding of tracks by the cellular automaton, and fitting tracks by the Kalman filter in CBM
- Investigate specific features of the CA implementation for strip and pixel detectors in non-homogeneous magnetic field
- ☑ Isolate and make a standalone version of the CBM CA track finder



Frankfurt: Work with ACTS - Installation and Tests

- Start with a Kalman filter track fit example of Xiaocong Ai
- Communicating with the author to implement the whole chain and reproduce his results
- Simulation were done with ACTFWGenericFatrasExample using Pythia8
- Preparation of CA interfaces for ACTS data format is in progress



- An ACTS framework with common (A+F) geometry and simulated data (more like CMS or ATLAS?)
- ACTS Workshop in May at DESY