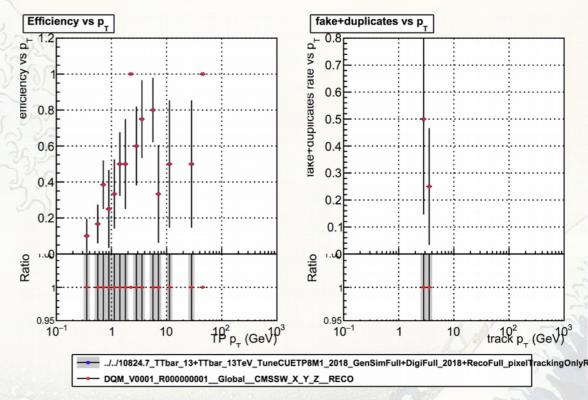


Work done today

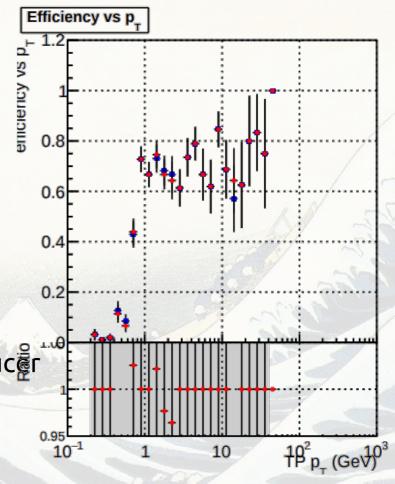
- Marco
 - done: made Eigen more CUDA-friendly (again)
 - done: porting the Riemann Fit to GPUs and CUDA
 - use one thread per fit / track
 - identical results on GPU vs CPU



- Vincenzo
 - ongoing: MC truth associator for the GPU products
 - done: CPU version of the algorithm

Work done today

- Andrea
 - ongoing: teach CLANG to link CUDA device code
 - ongoing: help with Eigen
- Felice
 - done: porting the Cellular Automaton to a heterogeneous producer
 - slight change to the algorithms
 - similar results on the CPU and GPU
- Matti
 - done: heterogeneous "raw to cluster" producer
 - add clusterizer to the CPU implementation
 - produce a "heterogeneous product"



For this afternoon ...

- Matti
 - to do for the heterogeneous "raw to cluster":
 - convert the heterogeneous output product to the standard CPU version
 - requires copy ctor / clone method in the edmNew::DetSetVector
 - next step
 - make the following step in the chain consume the heterogeneous product
- Felice
 - to do: make a pull request with the heterogeneous CA
- Marco
 - to do: make a pull request with the Riemann Fit
- Andrea
 - to do: integrate the changes to Eigen in the CMS distirbution
 - to do: test and integrate those PRs!