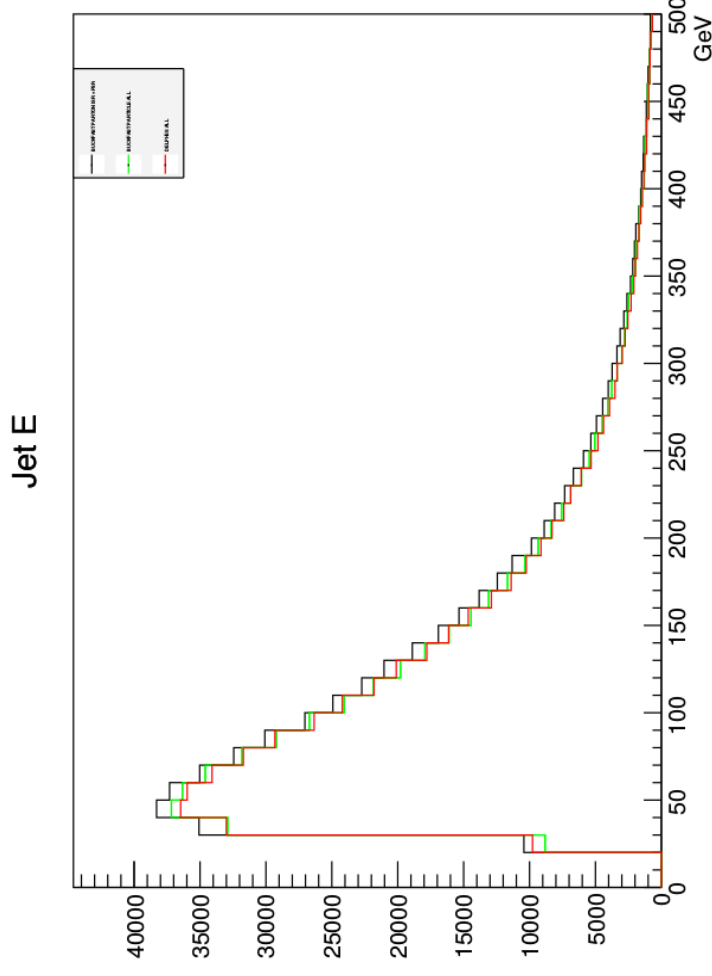


The ColliderBit approach: Detector simulation

- Have an interface to DELPHES (a standard LHC detector simulation)
- Have also written a faster detector simulation based on four-vector smearing
 - results agree very closely with DELPHES



- A custom “cluster-based” smearing simulation is also in development
- The simulation is run in the main event loop, so that it is implicitly parallelised