

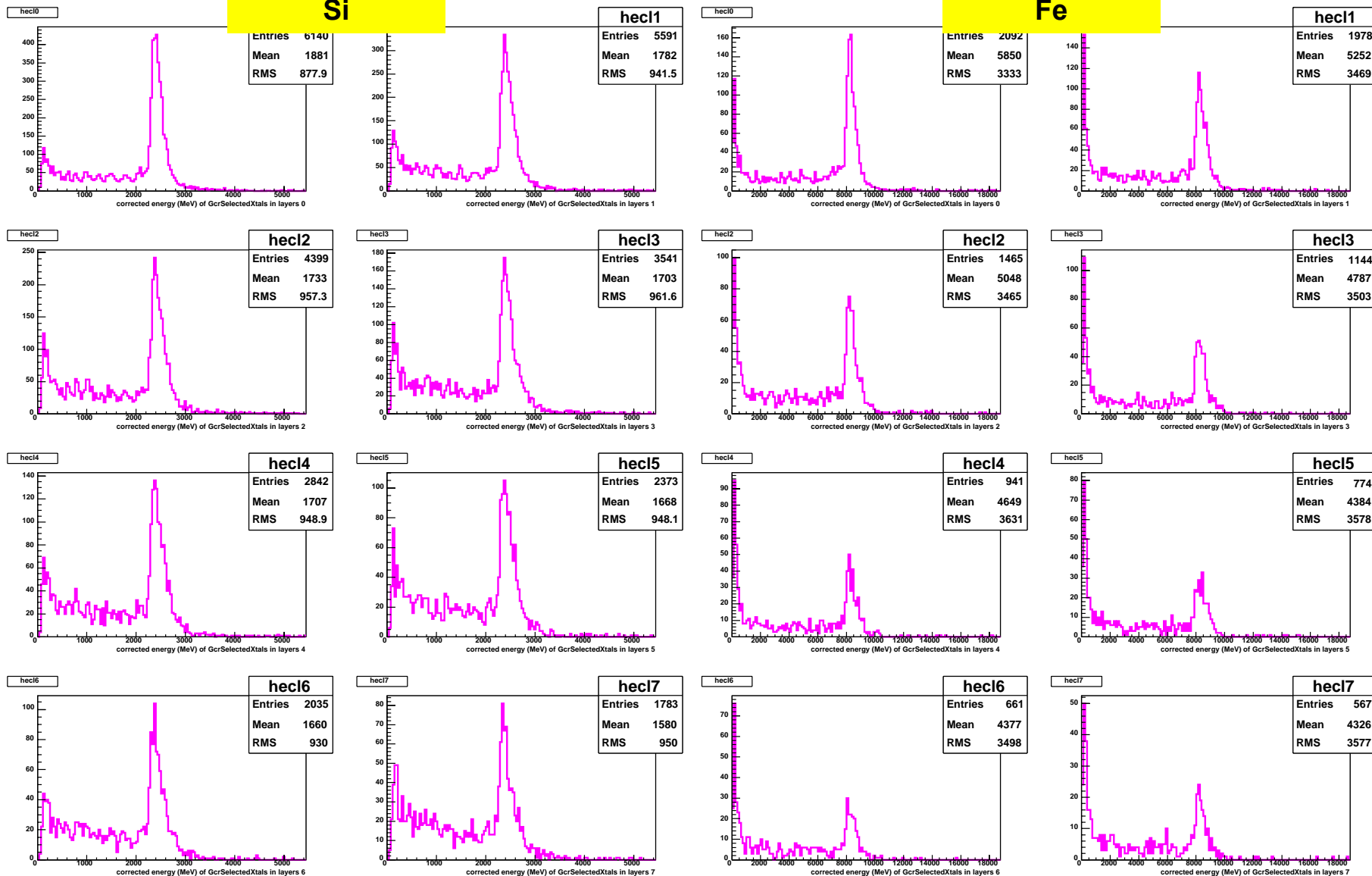


GCRRecon and GCRSelect status 1/2

- **GCRSelect**
 - bug fixed: bottom layers always selected even if interaction identified
 - improvement: bottom layers kept for **inter-tower events**
 - stats increases by a factor of a few in these layers
 - additional background introduced at low energy
 - increasing with Z (see next slide)
 - need for an improved filtering procedure including:
 - a global (all tower) multiplicity criterium
 - an additional criterium based on **layer-to-layer energy correlations**
 - efficiency study pending
- **Next simulations**
 - a few 500k events for $Z=6, 14, 18, 22, 26$
 - estimate of **equivalent time spent in orbit**



Simulations of Si and Fe (CrHeavylonPrimary)





GCRRecon and GCRSelect status 2/2

- **TkrRecon turned ON**
 - check CPU consumption
 - Cal3 sequence added to JO file containing GCRCalib algs
 - after full TkrRecon
 - **TKR best track used in GCRRecon** and stored in recon.root (along with MC initial direction)
 - no error available (KF assumes electrons)
- **Code status**
 - inheritance of GcrSelectedXtals from GcrXtals fully implemented (TDS & ROOT classes)
 - decoding of “crossed faces” variable implemented
 - packages:
 - G4Propagator & GlastSvc no more modified
 - CRflux: CrHeavylon source available for each Z (through a parameter in xml file)
 - to be put in CVS?
 - **ready for migration** to GR v9r14 (or latest...)
 - local compilation against GR v9r14
 - CVS
- **CNO trigger and OBF**
 - CNO trigger available in last GR version
 - OBF?