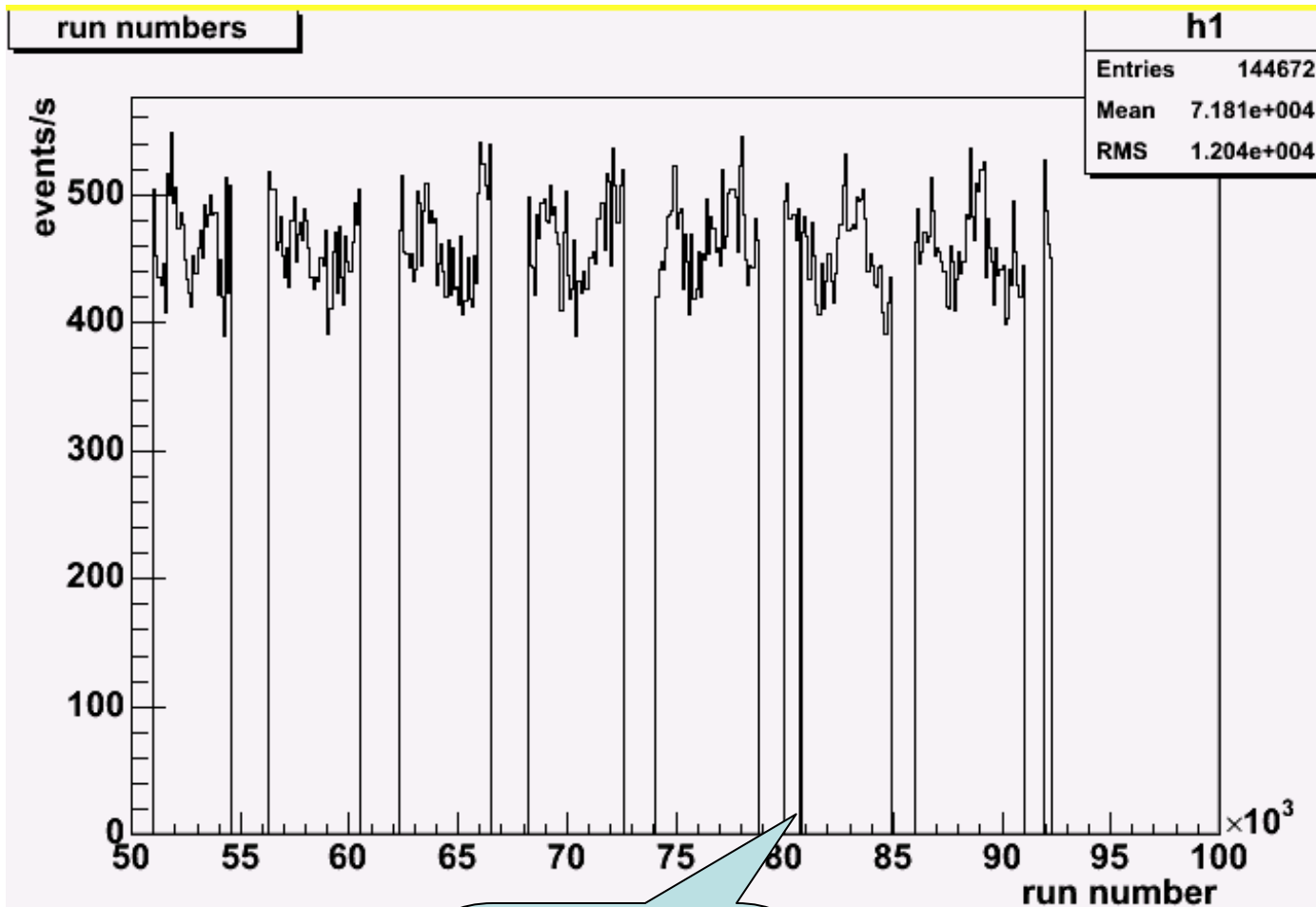


Background runs at the UW “farm”

- A little background: we have installed the GRID-standard *condor* from the other UW in Madison.
 - Currently 6 CPUs available, including 2 on new hyperthreaded machine just for batch jobs
 - Many more in principle available in department
 - *glast-ts* is the submit machine, supplies one CPU to farm
 - Worker machines get *Glast* software using mapped *glast-ts* drive
- Using the DC2 proposed scheme
 - Two jobs, first creates incoming list for 1 orbit-second, second processes
 - Assign run number: second after launch. Run only every 100th run.
 - Should allow replay. (But see later)
 - Run recon only if triggers and passes onboard filter
 - Trigger includes LOCAL only for now, no throttle
 - 8 kHz trigger rate, 450 Hz downlink (not counting SAA or deadtime)
 - running ~250 jobs/day.
 - Started run 51000 with HEAD1.594 on Friday, up to 93000 now
 - Fastest machine (new 64-bit processor. 3000 Mips) takes 30 min/job, slowest (1000 Mips) 100 min.

Runs



80600
missing?

Reproducibility test

- Used HEAD1.585, run 2000
 - Make a run/event list from the “downlink” events, extract these incoming particles
 - Run job #2 on this sampled input file
 - Compare the two tuple files entry by entry
- **Results: not a disaster**
 - Using criteria that if CalEnergyRaw is identical (to 6 figures), about 1/2 pass.
 - Suspect a RandGauss flag is not being reset. Used by Acd, Cal, Tkr.
 - But pass ratio is energy dependent. ☹