PHOBOS
Run 5 Progress

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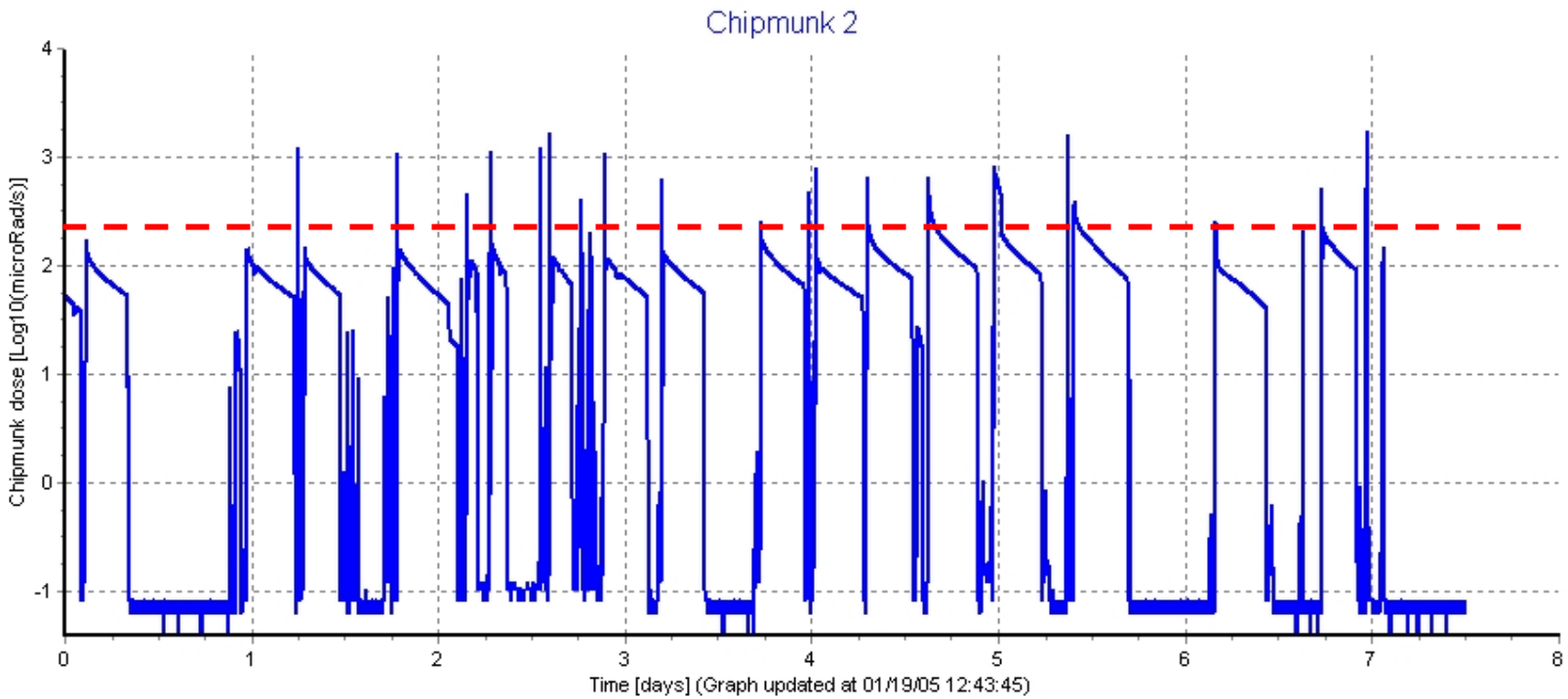
January 26, 2005

Run Status

- Detector fully comissioned
  - Still working out kinks w/ trigger detectors, readout, etc.
- DAQ fully comissioned
  - Stable and running at 400 Hz to tape
  - Major HPSS hiccup last night – we have substantial buffering (18 hrs or so), but RCF initial response was slow (no-one at on-call number).
- Trigger configuration declared certified for production running since Jan 12
  - Triggering on vertex within $-25 < z < 20$ cm
- RHIC has run with all three field polarities
  - Agreed to flip polarity each morning
  - Need about 10% of data with field off – will make proposal soon
- Magnet trips eliminated

Last Week in Chipmunk 2

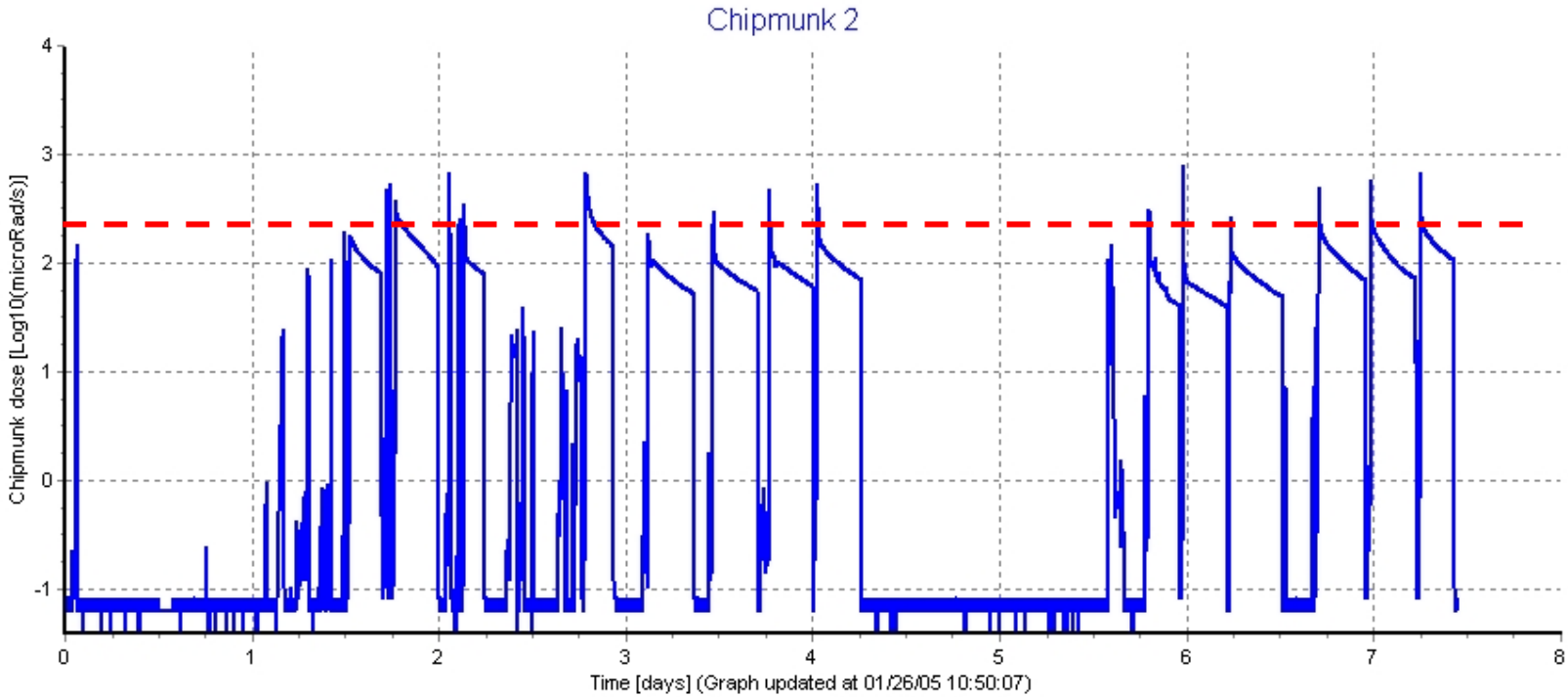
- A very consistent week



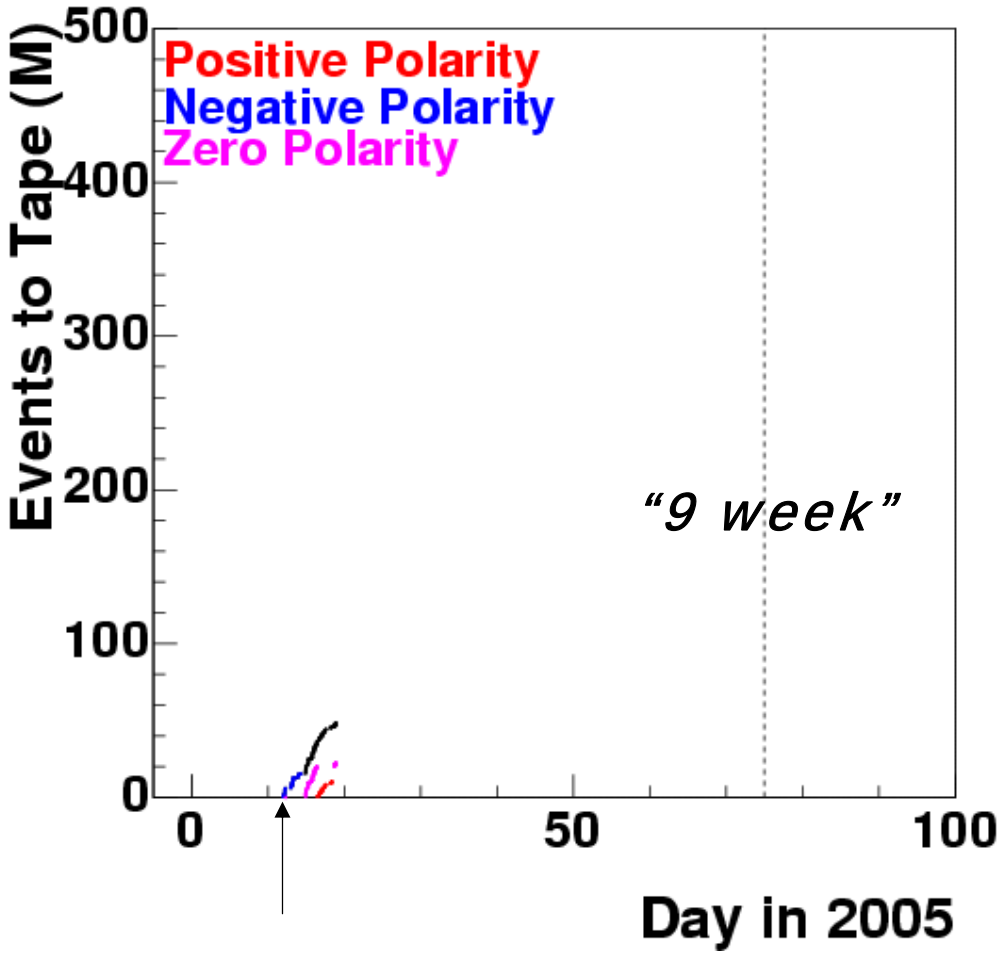
- Only one case of vacuum breakdown
  - Will not run during high backgrounds, provided they stay short

This Week in Chipmunk 2

- No substantial cases of vacuum breakdown, but low intensity stores until last night

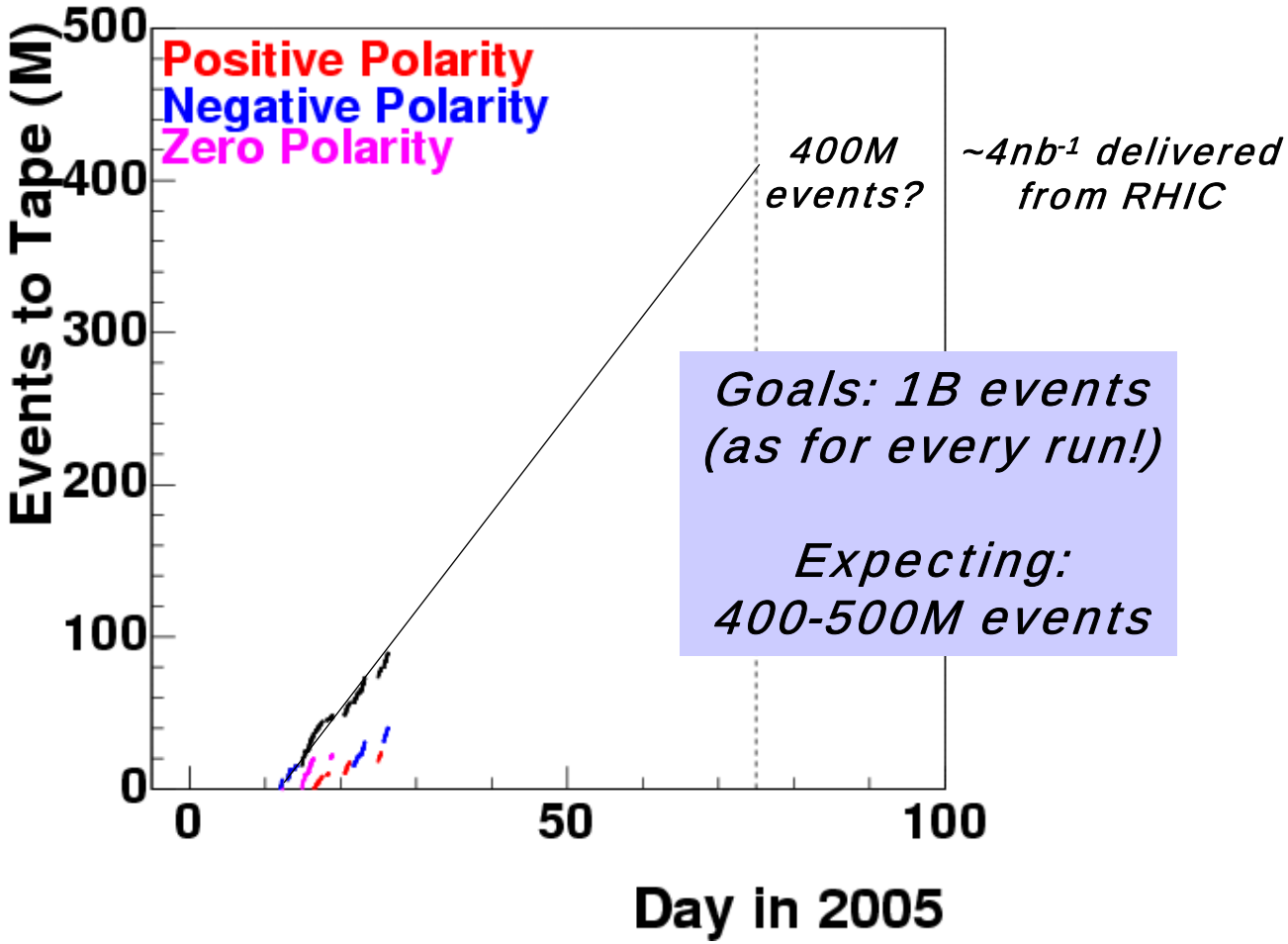


Run Statistics Last Week



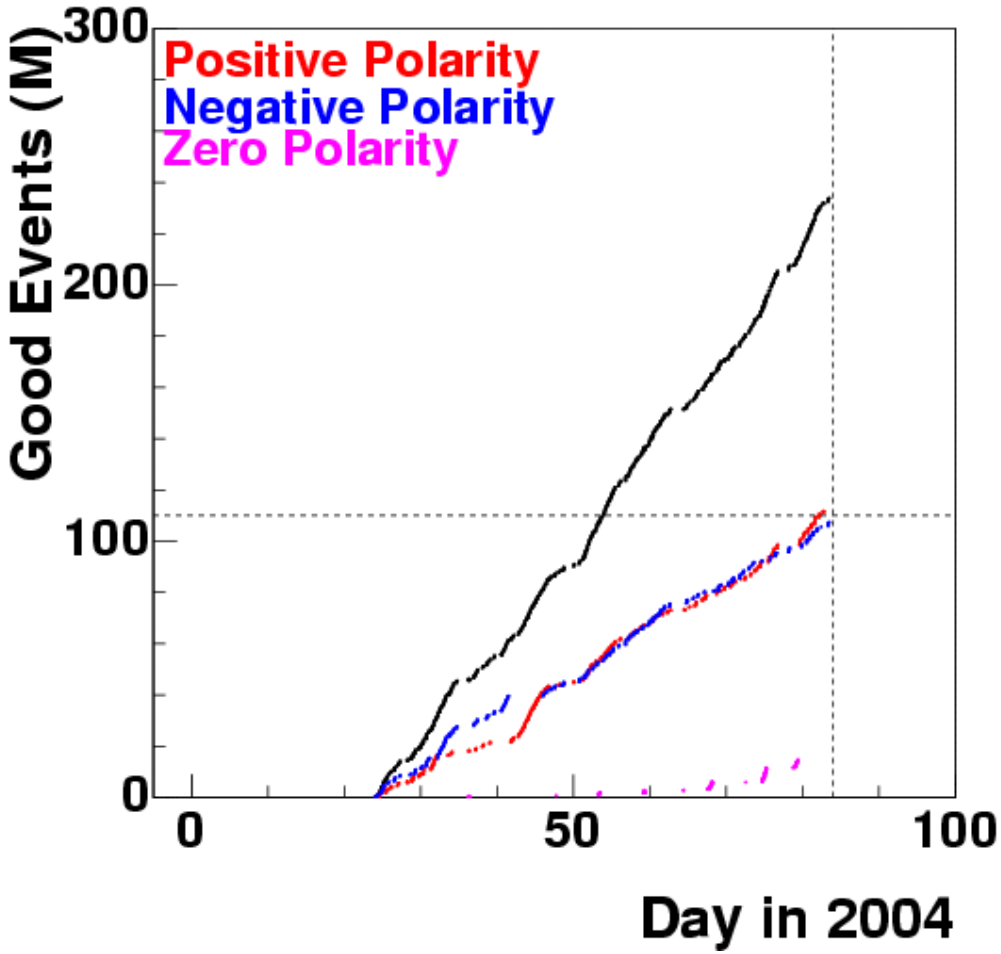
- Restarted our "clock" for physics on January 12, just after RHC declared physics

Run Statistics This Week

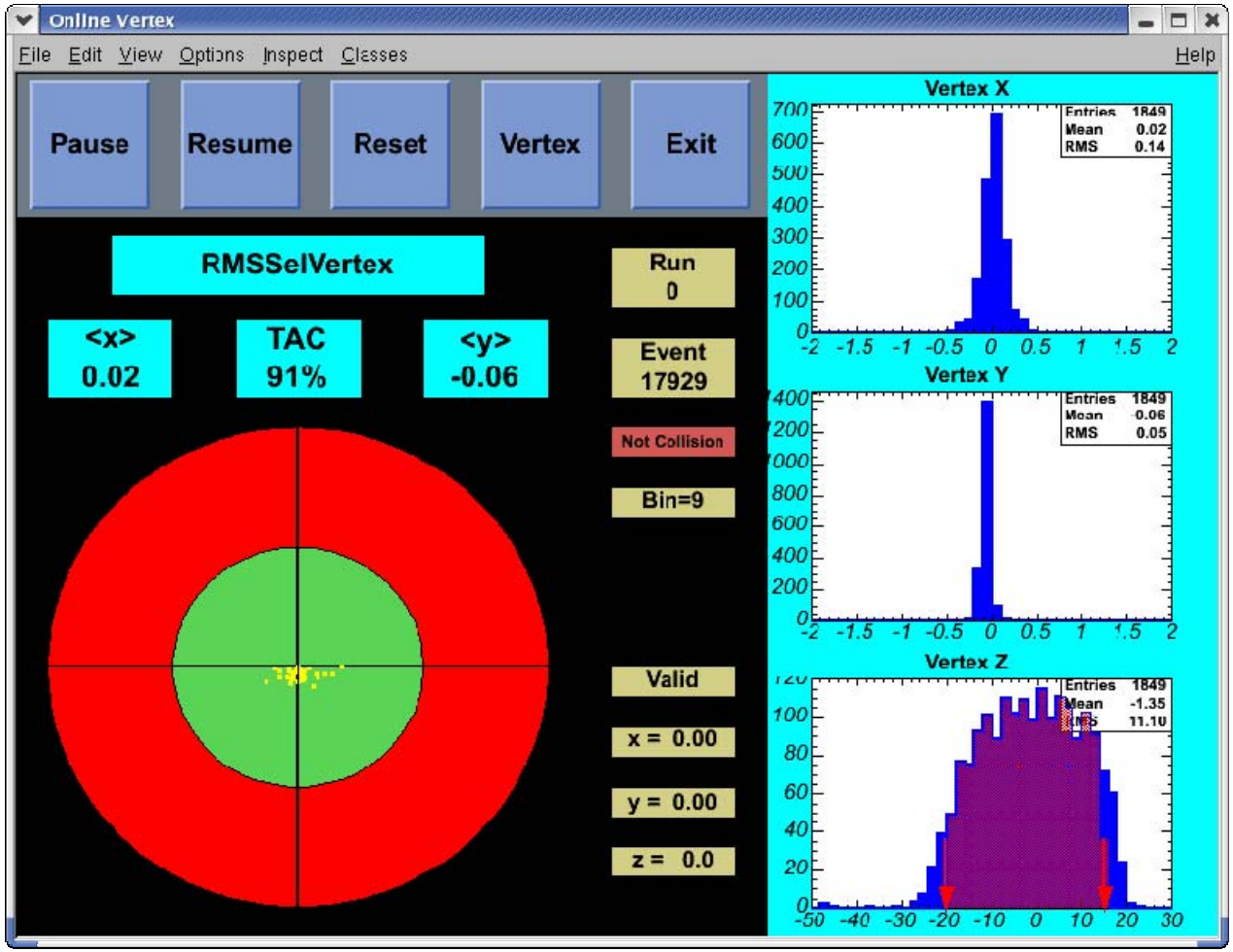


Polarity flips now once/day

Comparison to Run 4



Online Vertex



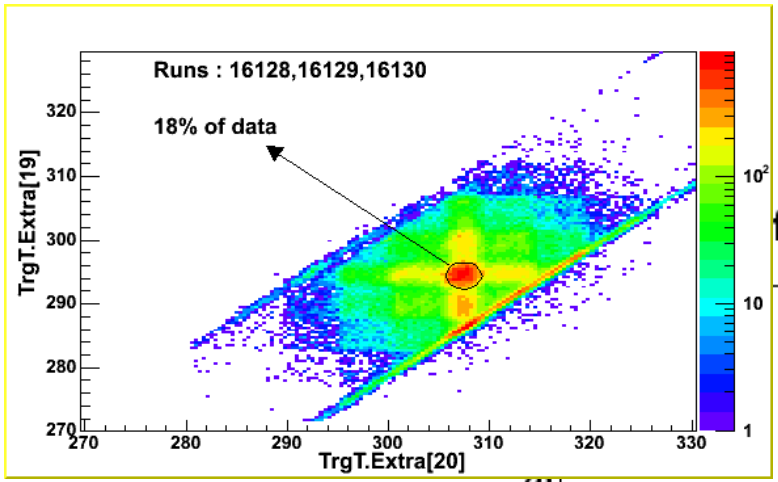
Currently shipping centroids in x,y to RHIC via CDEV.
Mechanism tested – need policy for applying bumps

Issues

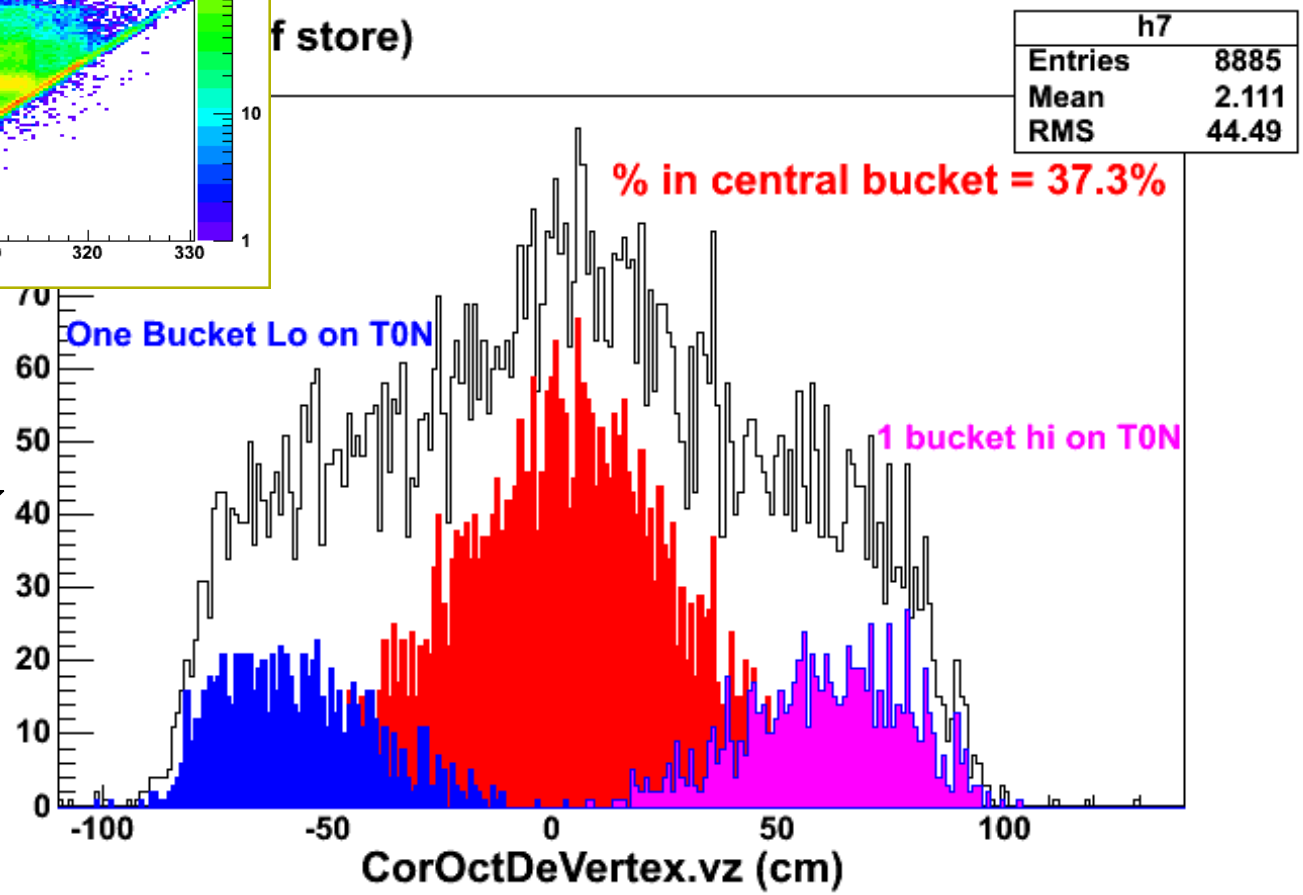
- Luminosity is adequate: we are running top speed (~400Hz after dead time) early on and dropping to 270 Hz (40% live) by the end of a store
  - Can easily handle more luminosity, if provided
- Have seen only a few stores with (short-lived) large vacuum rise.
  - No impact on data taking yet
  - Should we be reporting high backgrounds using BERT?
- We plan to shut off when asked
  - During end-of-store gap cleaning (when asked) – so we lose running time when we stop doing continuous gap cleaning
  - NOT during routine collimation

Satellite Bunches

- We definitely see them



In T0 timing plots



In Si vertex plots