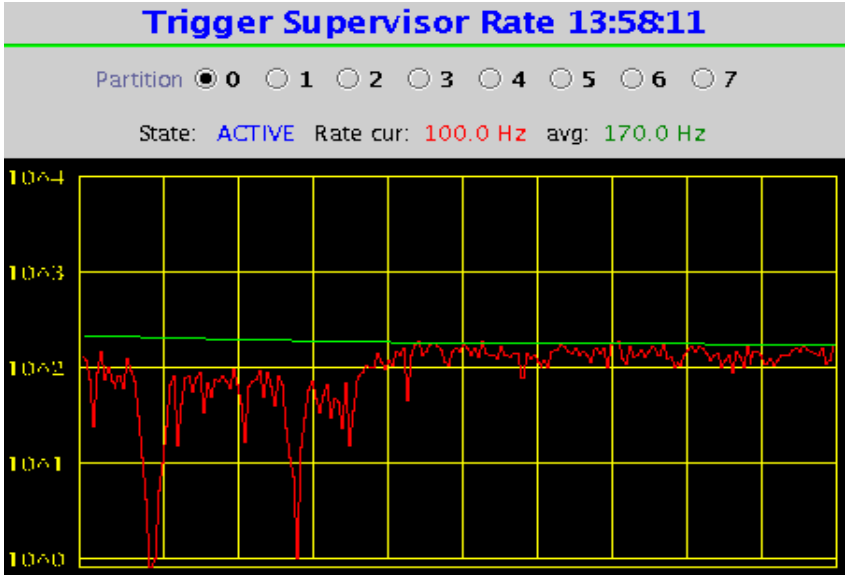
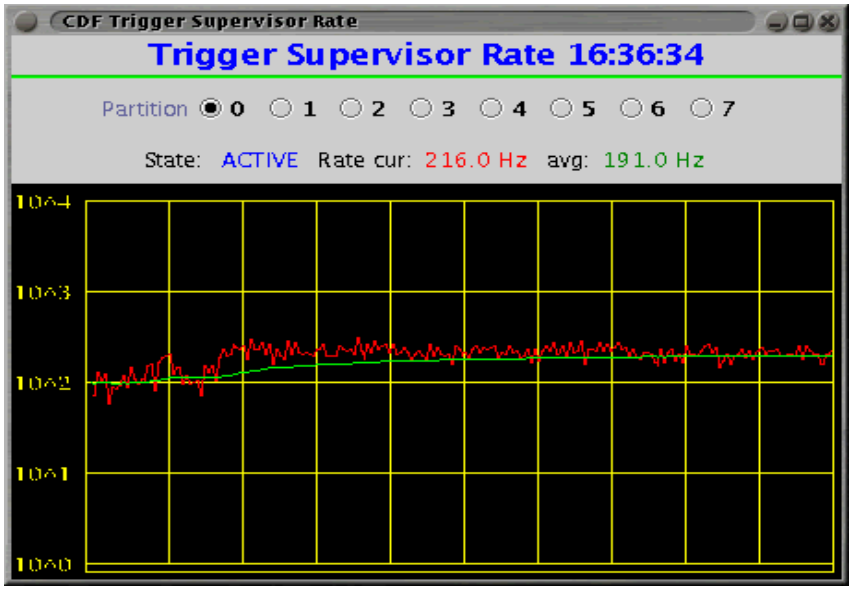
Arnd Meyer
Mar 22, 2001

DAQ Integration

- Level 3 torture test
  - 20hrs, Saturday evening to Sunday evening (+ ongoing)
  - 2 configurations (~ 20MB/sec)
    - Small events (50-80kB) and high rate (up to 400Hz)
    - Large events (340kB) and low rate (60Hz)
  - Level 3 pass-through
  - Multiple streams
  - Observed rate fluctuations, slow rate decay etc. - not fully understood yet
- Also exercising regular "dry runs"
  - collision-like trigger table
  - long runs reading out "everything" (except Silicon, SVT)
  - Exercise consumers, stability, find problems etc.





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DAQ Integration

- 11 multi-million (>1) event runs last week (8 on Saturday/Sunday)
- Problems with Level 3 monitoring - dies after some time of running → fixed (?)
- Smartsockets problems (single server, licenses exhausted) - have to avoid running redundant programs
- Remote reset problems - CPU being replaced today
- Many drop-outs of muon TDC's - suspicion (hope?) is ongoing work on first floor
- Still see strange noise in COT crates: once every few minutes several whole crates would show many hits per channel
- Scaler crate hangs sometimes
- Trigger manager in strange state - missing diagnostic tools
- Memory leaks in calorimeter crate software (→ frequent reboots)
- Corrupt data from b0pcal03 (rare, maybe observed once a day)