

# Random DAQ updates for the run

## DAQ is working

- In general CODA seems more stable than before (cross your fingers)
- Didn't get to high rate tests last week
- FIX DAQ shifter scripts/puttuns are built but not fully tested

## Single Event Upset monitor working

- Pushing to server logs
- Need some more testing (longevity test, injection of errors at random, behavior at error)
- Need to add EPICS+MYA connection
- Need to decide how to stop run

## Summary GUI

- Summarize and defines the status
- Links to expert GUIs

Bank structure seems to work. Not sure why.

# APV Tuning

Finished 2D scan (Vfs,Isha)

- Significant t0 resolution improvement
- Power consumption spans goes up to 0.62A (0.42A default)
- Identified operating points we'd like; configurations cre:

SVT baseline runs taken for those point

- Noise analysis show same behavior as devboard
- t0 resolution verification in progress

Observe dip in certain samples during t0 scans starting at large Isha values

- May have correlation with occupancy dependence
- Plan to start from default and then take multiple APV scan runs (need 0.5mm and nominal current)
- This is mostly done; need to extract the threshold files for all of them (1day)

