

ICEBERG Commissioning and Operation Meeting

Implementation of fddaq at ICEBERG

DAQ version update

- Fddaq-v4.4.1 – used for several months before update
 - Seemed to be working OK
 - Potential cosmic trigger issues – 1 Hz vs .5 Hz ???

V4.4.2 → v4.4.3

- Initially 4.4.2
- missing/inconsistent data
- Shekhar magic shutdown
- Disable irqbalance service, implement cpu pinning
- 3 forms of running: cosmics, pulser, wibpulser
- tc_type_name discussions
 - “kDTSCosmic”, “kDTSPulser”
 - offline_data_stream: “cosmics”, “calibration”
- → v4.4.3

LarASIC pulser vs WIB pulser

- Configuration edits – pre and post generation

Next steps

- Photon Detector Data
 - ARAPUCA → DAPHNE → FELIX
 - Isolated (e.g. fdaq), then integrated
- TPG – lower priority (limited personnel availability (vacation, mu2e)), let NP04 gain experience

Other work

- Metadata file creation script
 - Adapt Kurt's NP04 script