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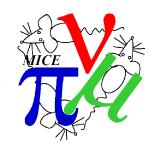
Concept

- We need to relay to analysis group what happened in the control
 - Did any alarms sound?
 - Did anything happen?
 - MICE log can have detail, but if people want to automatically find the right data (we will have 1000s of runs) then it is not sufficient
 - "data quality"
- Also what happens outside of the control room
 - Did the data move?
 - Did the data reconstruct okay?
- Set of flags
 - True means "okay for analysis"
 - Written to DAQ stream on a per-spill basis
 - Written to CDB as a logical AND of every spill
- Propose following list of flags
 - Please help where I have asked, or think of flags that are missing

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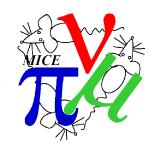
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Beamline



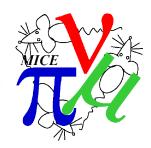
- Beamline
 - ISIS has current
 - Target frame lowered
 - Target frame actuating
 - 12 Beamline magnets have correct currents
 - D1 has correct polarity
 - D2 has correct polarity
 - proton absorber has correct setting
 - diffuser has correct setting
 - beam stop has correct setting





- Detector hardware
 - Luminosity Monitor
 - TOF0
 - TOF1
 - TOF2
 - CkovA
 - CkovB
 - KL
 - EMR
 - Tracker1
 - Tracker2





- DAQ
 - DAQ crate voltages okay
 - GDC okay
 - 6 LDCs okay
 - Online Monitoring okay
 - Online Reconstruction okay
 - Trigger gate okay

GRID/Recon

MICE

- Data compacted okay
- Data moved okay
- Data reconstructed okay
- For each reconstructed MAUS version number we get 1 bit per detector indicating "that detector reconstructed okay"
 - "reconstructed okay" should be defined by detector software experts
 - Typically look at things like reconstruction efficiency versus number of triggers (triggering detector) and digits (other detectors)

Comments

MICE

- Comments?
- Criticisms?
- Suggestions?