

Work Status

Eva Valladolid Gallego
IFIC-CSIC

TileCal Valencia Group Meeting
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TileMuld status

TileMuld status, is reported bi-weekly in Muon Slice Trigger Software meetings.

- Updates in TrigTileMuFex (FEX algorithm used to match the TileCal muon candidates with Inner Detector tracks)
 - Timeout handling implemented
 - New tag TrigTileMuld-00-02-01 submitted to SVN
 - Use of IMagFieldAthenaSvc to check the magnets status in order to apply the φ extrapolation of the Inner Detector tracks to the TileCal radius checked with Monte Carlo and real cosmics data
 - New tag TrigTileMuld-00-02-02 submitted to SVN and collected for release 16

TileMuld status

- TileMuld talk on Muon HLT On-Call Expert Training

<http://indico.cern.ch/conferenceDisplay.py?confId=72146>

- Histograms described in:

[https://twiki.cern.ch/twiki/bin/view/Atlas/MuonSliceData
QualityMonitoring](https://twiki.cern.ch/twiki/bin/view/Atlas/MuonSliceDataQualityMonitoring)

TileMuld 'On-going tasks & To do list'

- Implementation of error monitoring histograms in TrigTileRODMuAlg when trying to retrieve missing data, providing new code in TileROD_Decoder inside TileByteStream package
- Finish the implementation to retrieve the energy thresholds from the database for the algorithms (Athena, ROD)
- Long term: calculation of efficiencies and fraction of fakes with release 15.

Conclusions

- Working on TileMuld tasks
 - Tasks for new release
- I will be Muon HLT On-Call Expert
 - Different shifts one week period
- Plan to be integrated (with Victoria) in physics analysis group.