

Online Monitoring

1. Preparation of reference histograms
Saving histograms in database
Responsible: M. Knecht, N Chiapolini

TELL1 Emulation

1. Achieve bitwise emulation of clusters
Responsible: A. Keune
2. Header crosstalk algorithm development
Responsible: J. Luisier

Threshold setting

1. Setting of thresholds from XML to PVSS
/ Feedback to CONDDB
Responsible: J. Luisier

CondDB Development

1. Implement production ids in conditions database
2. Implement noise values
3. Anything else ?

TT Dead strips

1. Implementation of dead strips from burn in tests
Responsible: Viktor

IT XML

1. Implementation of sensor survey offsets in Conditions
Responsible: V. Fave

TT XML

1. No new development foreseen
Responsible: C. Salzmann

IT Alignment

1. Try to learn maximum we can from TED data/Monte Carlo/Cosmics
Responsible: V. Fave, L. Nicolas, A. Hicheur, F Maciuc

TT Alignment

1. Validate TT survey
Responsible: C. Salzmann, J van Tilburg
2. Try to learn maximum we can from TED/Monte Carlo/Cosmics
Responsible: C. Salzmann, J van Tilburg

Simulation

- 1 . Provide reference histograms
- 2 . Validation of latest Gauss/Geant4

DQ/Offline monitoring

- 1 Define quantities to be monitored.

Core Development

1. Changes to NSZ decoding to allow decoding of banks containing 1,2,3,4 pp
Responsible: M. Knecht
2. Finish development of new ST monitoring base class
Responsible: M Needham
3. Tools for splitting data by service box, tell1 board, ...
Responsible: M Needham
4. Cluster killing tools
Responsible: M Needham

Other Projects

1. Study of remaining noise clusters, where do they come from, why do they have a hard component in the ADC spectra. Identify hotspots
2. Detailed study of Landau's in TED: do we see differences for modules that are known to faulty [e.g. the one with very large common mode]
3. Preparation of tools to merge events
4. Preparation of tools to measure efficiency/collect hits around a track
5. Preparation of a spillover rejection tool using signal size + neighbour sum [build likelihood ?]