Data Taking And The Full LAT

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Data Taking Plans For The Full LAT

• December data taking:
  – Will happen late December
  – Calibrated data for analysis in early January
  – MC samples are available now!
  – Making new ones as the software evolve
    – But it's pretty stable now! Unless you are looking at ToT in Tower 15 ....
    – No excuse for waiting!

• January runs for the record with FSW:
  – Same hardware as in December
  – Different software!

• SLAC is busy with infrastructure work:
  – Need your help to do analysis!
  – Big Thanks to Nico and Monica!

We have 10 Italians at SLAC right now! :-}
Analysis Tasks I

- **ACD:**
  - New ACD SVAC variables:
    - Lots of new variables ....
      » Useful for learning about the ACD
      » And all at the ntuple level. No need for RootTree Analysis!
    - Are any useful variables missing?
    - Starting looking at the MC now will give us a heads up!
  - Learn how to use ROI as vetos:
    - Different thresholds in different tiles?
  - Mapping out the tile geometry with data
  - Tomography:
    - PHA signal vs location in a tile
  - ACD (in)efficiencies
  - Lots of things to do with the TKR-ACD intersection information!
    - Already available in the SVAC ntuple!
  - See also Eric's talk about the ACD!
Analysis Tasks II

• Alignment:
  – Inter-tower
  – Preliminary code in cvs from Tracy and Hiro:
    – AlignmentContainer

• CAL MIP finder:
  – Define MIPs in the CAL without using the tracker
  – Nice sample for TKR studies
  – .......

• Photon sample etc etc ..... 

• Baseline analyses for FSW:
  – Final runs for the record in January:
    – Same hardware as in December
    – Different software
  – Should define baseline analyses to make sure FSW works!
    – Science quantities should not change with FSW!