

## Meeting CERN Local SUSY Working Group, 30-May-2006

30-MAY-06, 13:15-15:00, 40-R-C10

During the recent rush, Jamie and others identified a number of issues, which are listed below (what's missing?).

- On AOD/EventView/SUSYView:
  - ◆ ETmiss in ATLFAST seems to be wrong
  - ◆ give feedback to ATLFAST production team on corrupted files
  - ◆ jet reconstruction issues
  - ◆ PID issues (in particular photon ID)
  - ◆ identify the topology we are interested in, and understand combinatorics
  - ◆ speed
- On SFrame:
  - ◆ define the most suitable Cycle structure
  - ◆ finalise completely general event-weighting algorithm
  - ◆ define selection Cycle
  - ◆ fully integrate TMA
- On MC production:
  - ◆ find j4, Z+jets, W+jets, tt+jets fully simulated AOD samples
  - ◆ understand low cross section of SU3 sample (seem to be ok)
  - ◆ once the tools are validated (in particular SUSYView and before), we need to develop a plan for efficient ntuple production and analysis; this includes automated quality control of the samples (full simulation and ATLFAST)
  - ◆ use the new CAT computing resources advertised by Markus [in](#) particular learn to use the Castor pool disks (this must be coordinated with the other CATPhys groups, to avoid duplication).
- On CSC notes:
  - ◆ physics: 1 lepton inclusive, and 2+ leptons (semi)exclusive analyses
  - ◆ detector: lepton-id, ETmiss reco (including fake ETmiss)
- Other issues:
  - ◆ we should also begin to think about how we can extract a signal
  - ◆ don't miss tomorrow's SUSY meeting [in](#)

-- AndreasHoecker - 30 May 2006

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