Production status and plans

- **top studies**
  - **$t\bar{t}$ inclusive:** running at LBL *(PDSF, M. Leltchouk)*
  - **$t\bar{t}$ for m_t>200 GeV**: finished (35 000 events) *(PCSF, I. Efthymiopoulos)*
  - **Z+jets:** running (or finished?) *(PCSF, I. Vichou and H. Ruiz)*
  - **other channels:** not yet scheduled, possibly to run on PCSF

  A CERN based contact person should be nominated by the top studies community to take over coordination of the top productions outside CERN.

- **Z -> ee**
  - in progress, ~45000 events *(PCSF, J.B. Hansen and I. Efthymiopoulos)*

    most ATLAS production jobs cannot run on CSF client nodes (swap space problems)

- **b-tagging**
  - **m_H = 400 GeV**
    - **H -> $b\bar{b}$**
      running in Cracow *(SPP1600/XA and HP Exemplar S2000, A. Kaczmarska et al)*,
      > 10000 events processed mostly with 97_6 (recently switched to 98_2)
    - **H -> $u\bar{u}$**
      running in Cracow *(SPP1600/XA and HP Exemplar S2000, A. Kaczmarska et al)*,
      > 14000 events processed mostly with 97_6 (recently switched to 98_2)
    - **H -> $c\bar{c}$**
      running in Cracow *(SPP1600/XA and HP Exemplar S2000, A. Kaczmarska et al)*,
      > 10000 events processed mostly with 97_6 (recently switched to 98_2)
    - **H -> gg**
      running in Cracow *(SPP1600/XA and HP Exemplar S2000, A. Kaczmarska et al)*,
      > 14000 events processed mostly with 97_6 (recently switched to 98_2)

- **m_H = 100 GeV**
  - **H -> $b\bar{b}$**
    rerunning with 98_2 on WGS *(most of the data had been processed with 97_12)*
  - **H -> $u\bar{u}$**
    finished on WGS *(last 4000 events were processed with 97_12 => to reprocess, first 16000 events were processed with 97_6 => keep)*
  - **H -> $c\bar{c}$**
    finished on WGS *(first 5000 events were processed with 97_12 => to reprocess, last 15000 events were processed with 98_2 => keep)*
  - **H -> gg**
    running in Glasgow *(Alpha stations, S. Thompson)*, > 5000 events processed with 98_2

- **jets 17 GeV (97_6 and maybe barrel 97_12)**

  - **electron stream filtering**
    not yet started *(to be run on WGS by P. Pralavorio)*
  - **jet stream filtering**
    not yet started *(to be run on WGS, volunteer needed)*

- **jets 35 GeV**
  ~ 500000 events produced *(PCSF, S. O'Neale)*

- **H -> $\gamma\gamma$**
  to start *(BASTA, S. Simion)*

- **H -> 4l**
  to start in September with new muon geometry *(Munich LINUX or SGI (?), T. Trefzger)*

- **calorimeter scans**
  in progress, necessary for calorimeter calibration for all analyses => top priority *(SHIFT, R. Mekhtiev)*

- **single particles for e-gamma studies**
  finishing *(WGS, J.B. Hansen)*

- **ttH**
  rerunning *(BASTA, G. Eynard)*

- **Heavy Higgs**
  plans to be finalised *(P. Loch)*

- **MSSM Higgs**
  plans to be finalised *(E. Richter-Was)*

- **minimum bias**
  10000 events with no η cut produced - being checked *(F. Gianotti)*

- **single particles with non-uniform magnetic field**

  no clear plans yet, samples requested by reconstruction developers

- **trigger**

  done (?)

- **muons**

  to run in Munich *(LINUX, SGI)* and Boston *(SGI) (G. Stavropoulos et al)*

- **B-physics**

  in progress with 98_2 or awaiting new muon geometry (Innsbruck, Milano, RAL, Roma, Sheffield, Praha, Genova, London UC, Lund, M. Smizanska et al)

- **other?**

For details, where available, please follow links from
http://atlasinfo.cern.ch/Atlas/GROUPS/SOFTWARE/HELP/productions.html

CONCLUSIONS

- Good progress for most running productions
- Productions outside CERN sometimes problematic mainly due to lack of or differences in infrastructure at the institutes (tape media, ftp transfers etc)
- Plans for some productions remain to be finalised
- CSF so far unusable for productions (swap space problems) - anyway dedicated queue available only till end September - future???
- Impressive performance of PCSF => hope to finish all scheduled productions by November at the latest => possible to allow for some production with latest layouts and non-uniform magnetic field
- **A production coordination meeting has to be scheduled early September!**