Summary of ATLAS-D Computing Questionaire for B-physics

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General remarks

- asked several colleagues from Siegen and Munich
- B-physics uses AODs for the analyses; there are some DAODs which are pre-skimmed AODs.

Summaries by question:

Data access

- Many use MC AODs on Grid, several still MC08 AODs (finishing PhD theses)
- Data AODs are used (MinBias and Muon streams)
- Ntuples are typically downloaded to local storage
- CERN (lxplus) often used as hub to download ntuples.

Data transfers

- MC08 data were transferred to DESY-ZN_PHYS-BEAUTY by ATLAS B-physics group disk space manager (J. Catmore)
- ntuples were downloaded from Grid to local sites (typically several 10 GB per user)
- bandwidth is ok
- One user was impacted by a (several days long) downtime of a storage element at one site (NIKHEF) that prevented him from accessing the ntuples for several days.

Data processing

- Typically analysis jobs running on AODs on the Grid.
- Ntuple analysis on local sites.
- Generally good processing speed.
- Job success rate about 90% (one user giving this info for MC jobs)

NAF

- not yet really used (except for some try-outs)

Optimization of turn-around time

- Vetoing certain sites or specifying a certain cloud (e.g. DE).
- Job / dataset splitting

Group disk

- The ATLAS B-physics group uses the group disk space for the following purposes:
  - Distribution of centrally produced ntuples for J/psi and Onia analyses
  - Sharing of DAODs (pre-skimmed AODs).
  - Sharing of privately produced ntuples
  - MC08 AODss still needed for a number of PhD theses in the finishing phase.
- DESY-ZN_PHYS-BEAUTY currently holds >= 2.6 TB, of which 2.3 TB are MC08 AODs.