



The DESY-ATLAS Group



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Group structure

- DESY-F + Uni Hamburg
 - 12 staff, 8 postdocs, 5Phd, 4 diploma students
 - Staff and postdocs mostly part time
- Humboldt Universität zu Berlin
 - 3 staff, 2 postdocs, 5 diploma students
- DESY IT(HH)+DV(Zeuthen)
 - ~10 staff+postdocs mostly part time
- **DESY+Uni HH+HUB work as one group!**

Presence at CERN

- At the moment we have nobody permanently at CERN
- Starting from July we gradually have at least two staff, one postdoc, two PhD students at CERN

Main Projects

- Trigger configuration
- Trigger monitoring
- Fast shower simulation
- ALFA
- Tier2 and grid tools
- Generator maintenance in ATHENA
- Minimum bias trigger

Generator Maintenance

- DESY (with help from Göttingen) takes over the generator maintenance from Berkeley starting 9/07
- Main actors from DESY: Judith Katzy, E. Lobodzinska, S. Levonian + 2 postdocs + H. Vogt for 64bit conversion
- Ian will visit us end of August
- First real task: Preparation of release 14

Physics

- In the beginning we concentrated on service tasks
- Now also physics work is starting
- Areas of interest:
 - SUSY (already substantial work done)
 - Standard Model (profit from HERA experience)
 - Top quark physics
- In all cases try to collaborate with DESY theory group

Helmholtz Alliance

“Physics at the Terascale”

- The Helmholtz alliance is an alliance of all German labs and universities working in ATLAS, CMS, ILC under the leadership of DESY
- It contains data analysis, grid computing, detector development and accelerators
- It is financed by the HGF with 25Meuro over 5 years

Analysis in the Alliance

- The alliance will enable close collaboration between German groups on analysis
- In an Analysis Centre at DESY we will hold workshops from beginners tutorials to expert workshops on specific topics
- Also German theorists are involved in the alliance

The National Analysis Facility

- The alliance includes a National Analysis Facility (NAF) that provides computing power to German groups beyond what is included in WLCG
- The NAF should span the range from raw/ESD analysis to interactive ntuple analysis
- Details are currently being worked out