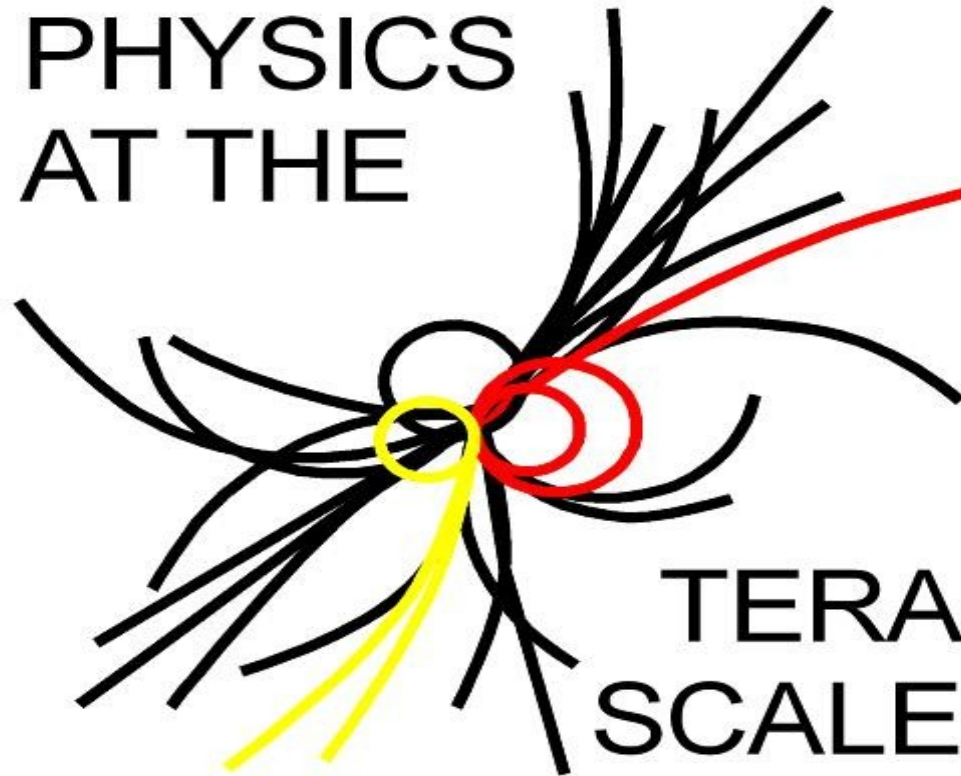


The Analysis Centre in the

PHYSICS
AT THE



TERA
SCALE

Helmholtz Alliance

Analysis Project Board: Stefan Dittmaier, Herbi Dreiner, Michael Krämer (theo. chair), Klaus Mönig (exp. chair), Markus Schumacher, Peter Schleper

Analysis in the Alliance

- **Analysis:** Several Young Investigator Groups and fellows to work on LHC analysis (Positions mostly filled or being filled, few still open)
- **Theory:** Several YIGs and fellows, Virtual Theory Institute to improve collaboration between German theorists
- **NAF:** Dedicated computing power for analysis in Germany

Analysis in the Alliance (II)

- **Analysis Working Groups:** Small analysis groups spread over several institutes
- **Monte Carlo Group:** A YIG in Karlsruhe will work on generator development, further MC support from the **Analysis Centre**
- **Analysis Centre at DESY:** Central Hub for Analysis, support for analysis groups and organisation of tutorials and workshops

Analysis Centre at DESY

- Support of physics analysis in Germany
- Areas:
 - Monte Carlo (user support, tuning...)
 - Parton distribution functions
 - Statistics tools
 - Collaborative tools (Web based information system etc.)
- In all cases the groups will be integrated into the working groups of the experiments or common workshops

Manpower

- Leader position will be filled soon
- Interim leader: KM
- About 10 people from DESY contribute to the Analysis Centre
- More will come
- An MC position, paid by the alliance, is being filled, two more positions will come
- It is assumed that all members work actively on research about half of their time

The Analysis Centre as a Hub

- In the analysis centre there will be basic knowledge on relevant topics of general interest and time to help newcomers
- DESY has the infrastructure to host guests for longer time
- We thus can offer German physicists to come to the analysis centre for few weeks to get into an analysis or to finish it together with their colleagues
- The presence of the community will increase the knowledge base making it more attractive to come for others

Workshops

- We have foreseen to hold workshops ranging from beginners tutorial to expert workshops
- The program will be updated to your needs, so please send us your inputs
- Plans up to now
 - ◆ Monte Carlo school (done)
 - ◆ Statistics (29. 9. - 2. 10.)
 - ◆ Parton distribution functions (12.-14. 11.)

Conclusions

- The Analysis Centre at DESY is starting
- We offer support in analysis, organise workshops and contribute to research
- You are also welcome to spend part of your time here at DESY
- The Analysis Centre is flexible to adapt to your needs
- The success of the Analysis Centre depends on all of us
- All information will be at http://www.terascale.de/research_topics/rt1_physics_analysis