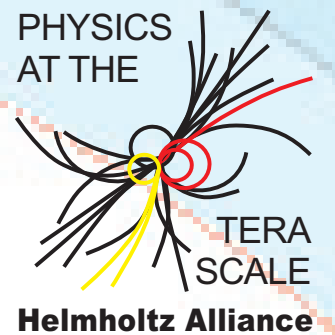


Workshop on Detector Understanding with First LHC Data



PHYSICS AT THE TERASCALE

Helmholtz Alliance

Deutsches-Elektronen Synchrotron DESY +++ Forschungszentrum Karlsruhe GmbH +++ Max-Planck-Institut für Physik München +++ Rheinisch-Westfälische Technische Hochschule Aachen +++ Humboldt-Universität Berlin +++ Rheinische Friedrich-Wilhelms-Universität Bonn +++ Universität Dortmund +++ Technische Universität Dresden +++ Albert-Ludwigs-Universität Freiburg +++ Justus-Liebig-Universität Gießen +++ Georg-August-Universität Göttingen +++ Universität Hamburg +++ Universität Heidelberg +++ Universität Karlsruhe +++ Johannes Gutenberg Universität Mainz +++ Ludwig-Maximilians Universität München +++ Universität Regensburg +++ Universität Rostock +++ Universität Siegen +++ Julius-Maximilians-Universität Würzburg +++ Bergische Universität Wuppertal +++

29 June - 3 July 2009, DESY, Hamburg Site

Topics:

- Muon ID and reconstruction
- Jets and missing transverse energy
- Tau ID and reconstruction
- Electrons and photons
- Tracking, vertexing and b-tagging
- Trigger
- Alignment and calibration
- Hands-on exercises for object reconstruction

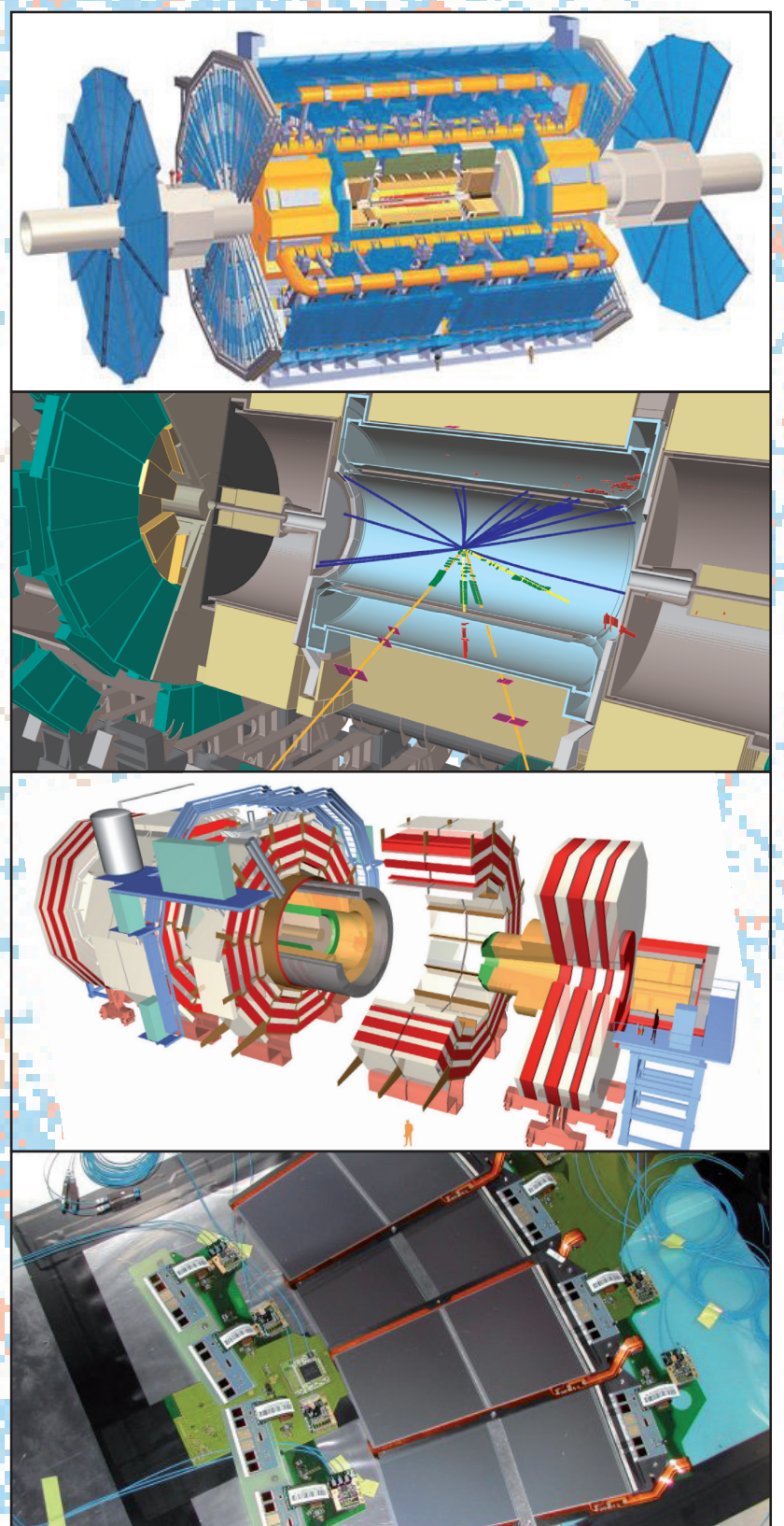
The workshop is aimed at Ph.D. students and young postdocs who want to learn about the different physics objects, their reconstruction, access and usage (in the experiment-specific software environment), and about related problems like calibration, resolutions, alignment, etc. The workshop consists of lectures, computer exercises, and invited talks on selected subjects.

Invited talks:

- The first 100 days of Tevatron
- Minimum Bias Physics and the Underlying Event at the LHC
- Physics with first data at the LHC

Registration deadline: 31.05.2009

Please register via the school webpage.



Organising Committee:

W. Ehrenfeld (DESY), J. Haller (Hamburg), K. Hoepfner (Aachen), O. Kortner (MPI Munich), I. Melzer-Pellmann (DESY), S. Menke (MPI Munich), A. Meyer (DESY), K. Moenig (DESY), J. Schieck (MPI Munich), Th. Schoerner-Sadenius (DESY), M. Schumacher (Freiburg), G. Steinbrück (Hamburg)

<http://www.terascale.de/detector09>