

# Detector Understanding


... with First LHC Data

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# ... IMPRESSIONS ...

- Lectures overall well received.
- Tutorials: Stable audience for ATLAS, significant losses to the CMS crowd – due to heat?
  - Very difficult to get the right level, and wide spectrum of participants.
- Smoothly working NAF; some hickups in tutorials
  - Need still better preparation?
- Very nice welcome reception and dinner – thanks to the weather gods.
- Now looking forward to your feedback.



The poster is titled "Workshop on Detector Understanding with First LHC Data" and "PHYSICS AT THE TERASCALE". It features a background image of a particle detector cross-section. The text includes the dates "29 June - 3 July 2009, DESY, Hamburg Site", a list of topics such as "Muon ID and reconstruction", "Jets and missing transverse energy", and "Trigger", and a list of invited talks including "The first 100 days of Tevatron" and "Minimum Bias Physics". It also mentions the registration deadline of 31.05.2009 and provides the website <http://www.terascale.de/detector09>.

Workshop on  
Detector Understanding with First LHC Data

PHYSICS AT THE TERASCALE  
Helmholtz Alliance

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. Eitenheld (DESY), J. Haller (Hamburg), K. Koppner (Aachen), O. Kurlner (MPI Munich), I. Wolter-Pedermann (DESY),  
S. Wenke (MPI Munich), A. Meyer (DESY), K. Moenig (DESY), J. Schieck (MPI Munich), Th. Schoerner-Sadenius (DESY),  
W. Schumacher (Freiburg), G. Steinbrück (Hamburg)

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

# THANK YOU!

- > To the many people who helped to put this school in place.
- > M. Grimm for the smooth organisation
- > G. Steinbrück and W. Ehrenfeld (and others) for getting CMS and ATLAS tutorials smoothly running
- > all the NAF staff, DESY IT and technicians, UHH IT, ...
- > To all the lecturers!
- > To all the tutors!
- > To all participants for their input, questions, feedback, etc.
- > ... and, last but not least, to the Alliance for their financial support, and to DESY for hosting the event.



# ORGANISATIONAL ISSUES

- > Hostel: Hopefully everybody picked up their bills?
- > Lectures will be put on the web (both slides and MP4).
- > The tutorials are documented on the respective WIKI pages in ATLAS / CMS → should be accessible via workshop INDICO page:  
<https://indico.desy.de/conferenceDisplay.py?confId=1811>
- > In case of questions connected to the workshop, don't hesitate to contact tutors, lecturers or the Analysis Centre, [anacen@desy.de](mailto:anacen@desy.de)
- > ... anything else?



... AND NOW ...

... have a good trip home, and come  
back at some point for another Alliance event...

