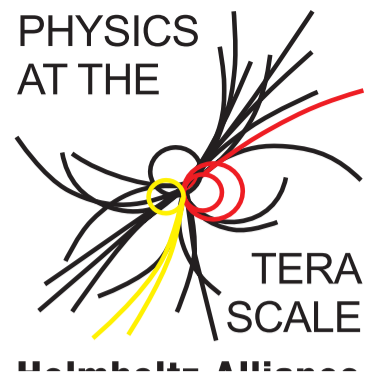


Helmholtz Alliance

PHYSICS AT THE TERASCALE



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

Introductory School “Terascale Physics”

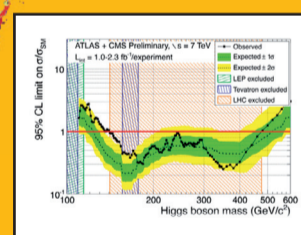
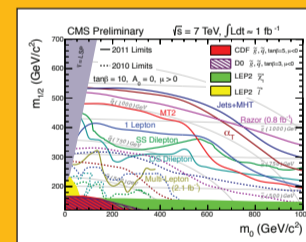
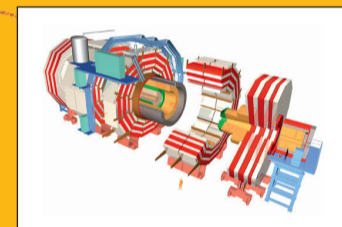
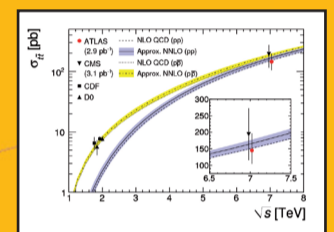
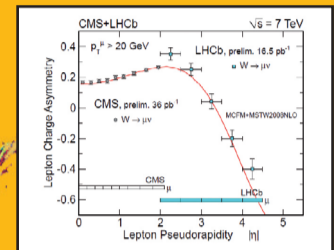
5-9 March 2012
DESY, Hamburg

The “Introductory School on Terascale Physics” aims at providing the essential information and techniques on the subject that bachelor students will find very helpful for a productive thesis.

The programme consists of lectures on the following topics:

- Physics at the Terascale
- LHC detectors
- Electroweak physics at LHC
- QCD at LHC
- Top quark physics
- Higgs physics
- Searches for new physics

In addition, a tutorial covering three afternoons will highlight many of the lecture contents and will provide hands-on experience with typical data analysis problems and techniques.



Admission to the school will be through a selection by the organisers.
Please send an email to anacen@desy.de, mentioning the name and institute of your supervisor, together with your experience in high-energy physics (if any).
The deadline for registration is 15 February 2012. The school fee will be 50 Euros.
Support for travel and accommodation can be granted on request. For more details see

www.terascale.de/intro2012