

Newsletter of the Analysis Centre in the Helmholtz Alliance “Physics at the Terascale” December 9, 2010

Introduction and News

The **fourth Annual Alliance workshop** in Dresden took place last week. Close to 300 participants turned it into a lively event. The discussions, especially in the parallel sessions of the Alliance research topics and the LHC-D working groups, showed once more the usefulness of a forum for intensified exchange between the different experiments and between experiment and theory.

The severe weather conditions in Dresden (which for some of the participants turned the trip to Dresden into quite an adventure) also made clear that winter has arrived and that soon the year 2010 will be history – time to plan 2011 and to think even further.

An overview of the larger events scheduled for 2011 can be found below or at http://www.terascale.de/schools_and_workshops.

Concerning the wider future – in Dresden the discussion about possibilities for **the time after the Alliance end** in 2012 started. The idea is to come up with a proposal for a “Helmholtz Portfolio” topic “Physics at the Terascale” that focuses very much on the LHC data analysis and builds on the experience of the Terascale Alliance, while bringing in several new aspects. The discussions will now be taken to the Project Boards of the four research topics, and individual workshops for designing a proposal are being planned for early 2011. We will keep you informed!

The Analysis Centre would like to thank you all for your interest in the Terascale Alliance and for your contributions in 2010. We wish you a peaceful and merry christmas and hope to see you again at some Alliance event in 2011.

Upcoming Meetings and Events

(the relevant EVO connections can be found on the INDICO web pages)

- **Unfolding meeting:** 15 December 2010, 14:30
<https://indico.desy.de/conferenceDisplay.py?confId=3742>

Upcoming schools and workshops

Introduction to Terascale Physics, 21-25 February 2011, Hamburg

Yearly school for bachelor students and other newcomers to the field.

<http://www.terascale.de/intro2011>

Monte Carlo School 2011, 14-17 March 2011, Hamburg

This year with a focus on QCD, jets and the underlying event.

<http://www.terascale.de/mc2011>

Computer Algebra and Particle Physics, 21-25 March 2011, Zeuthen

Education and training on the interface between modern computer algebra and particle physics.

<http://www.terascale.de/capp2011>

Statistics Tool School, 4-7 April 2011, Mainz

Yearly school on statistical data analysis.

<http://www.terascale.de/statistics2011>

Geant4 Training Event, 10-13 May 2011, Zeuthen

Focusing on Geant4 simulation of modern calorimeters

<http://www.terascale.de/geant2011>

Workshop on Standard Model Benchmarks at the LHC and elsewhere, 15-17 June 2010, Zeuthen

In collaboration with the other LHC physics centres

<http://indico.desy.de/conferenceDisplay.py?confId=3577>

Single-top production and fourth generation quarks, 5-6 September 2011, Hamburg

Second workshop in the series.

<http://indico.desy.de/conferenceDisplay.py?confId=3531>

LHC Precision Predictions for Pedestrians, 10-14 October 2011, Freiburg

School on the contents of modern MC generators and fixed-order calculations.

<http://www.terascale.de/lppp2011>