

Analysis Centre Meeting

February 2013

Thomas Schörner-Sadenius 

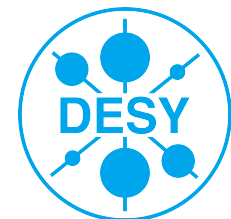
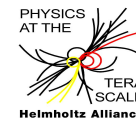
DESY Hamburg
5 February 2013



Helmholtz Alliance

PHYSICS AT THE TERASCALE

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 + + +



AGENDA

- > News
- > Schools and Workshops
- > Theorist of the Month
- > C++ courses in 2013
- > Next meeting: Tuesday, 12 March 2013, 14:30 hrs
- > AOB



> PDF positionS in the Analysis Centre

- > Will have two new colleagues in the Analysis Centre working on PDFs starting April / May 2013.
- > Focus is on HERAFitter development and support.
- > Then full AC team of 2 * MC + 2 * PDF + TSS full.



SCHOOLS 2013

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Schools

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August 2013

 05 Aug - 09 Aug [Monte Carlo School 2013](#)

March 2013

 18 Mar - 22 Mar [Introductory Statistics School 2013](#)

 11 Mar - 15 Mar [Computer Algebra and Particle Physics - CAPP 2013](#)

February 2013

 25 Feb - 01 Mar [Introduction to the Terascale 2013](#)

January 2013

 15 Jan - 17 Jan ["Fast Detector Simulation in High Energy Physics"](#)

+ 1-2 Computing events
+ advanced Statistics @ MPI

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WORKSHOPS 2013

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General

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July 2013

 15 Jul - 17 Jul [PSR13 Event Generator and Resummation](#)

May 2013

 06 May - 08 May [SUSY Workshop 2013](#)

April 2013

 15 Apr - 16 Apr [Workshop on GPUs](#)

February 2013

 26 Feb - 01 Mar [6th Detector Workshop of the Helmholtz Alliance "Physics at the Terascale"](#)

 19 Feb - 21 Feb [Monte Carlo Methods in Natural Sciences, in Engineering and in Economics](#)

+ Top Workshop
+ Anomalous Quartic Gauge Couplings???
+ PDF / SM???

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TOM 2013

Theorist of the Month

www.terascale.de/research_topics/rt1_physics_analysis/analysis_centre/theorist_of_the_month/

PHYSICS AT THE TERASCALE
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Home positions General Information Research Topics Schools and Workshops Career Calendar News Wiki Internal

Physics at the Terascale » Research Topics » RT1: Physics Analysis » Analysis Centre » Theorist of the Month

Theorist of the Month

The "Theorist of the Month" is a concept installed in order to improve the exchange between theory and experiment and to strengthen the theory background of experimental Ph.D. students. The Theorist of the Month will spend about one week at DESY and in this time give one basic seminar on his/her research topic, be available for all kinds of theory questions and discussions, and at the end of his/her stay summarise the discussions and questions of the week.

Next "Theorist of the Month" is Michael Krämer (RWTH Aachen)



Michael Krämer stays at DESY from **25 February - 1 March** and can be found in room O2.332 (bldg. 1b, 2nd floor) and he is available on phone 049-40-8998-4399.

Future "Theorist of the Month"

- 25-30 March, 2013: Iain Stewart
- 15-19 April, 2013: Matteo Cacciari (LPTHE Paris)
- 20-24 May, 2013: Stefano Frixione (CERN)

LHC Centres

- [LPCC @ CERN](#)
- [LPC @ FNAL](#)
- [Analysis Centre @ DESY](#)
- [National Analysis Facility](#)

One click to the Terascale

- ☒ Contact us
- ☒ Alliance mailing lists
- ☒ Fast Navigator
- ☒ Terascale Calendar

- Should be geared towards experimentalists
- Not just 3rd party funding for theory colleagues ;-)
- Include Q&A session?



COMPUTING EVENTS IN 2013

- > Basic – buts & bolts, do's & don'ts
 - > Basics, inheritance, overloading, constructors
 - > Type conversion
 - > Exceptions
 - > Const & static
 - > Call / return by reference / value
 - > STL
 - > Templates
 - > ...
 - > Advanced – Dresden-style
 - > Patterns
 - > Good design
 - > Re-engineering
 - > Git etc.
 - > Speed issues
 - >
- When how what?
 - Your experience and input is valuable!



AOB

- > Next meeting (suggestion): Tuesday, 12 March 2013, 14:30 hrs

