

Analysis Centre

Monthly Meeting

Agenda:

- News
- PRC report
- Schools and workshops in 2010
- Newsletter
- AOB and next meeting

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DESY

14 December 2009

- > MCNet collaboration
- > Contacts to LHC Physics Centre (M. Mangano)
- > PDF meeting
- > News from the MC and Statistics groups?
- > News from the single projects.
- > Analysis Centre seminar:
 - Gregory Schott – Rootstats (January)
 - Fabio Maltoni – MadGraph (February)
 - Ideas for March: Markus Diehl (Theory errors), V. Blobel (LVMINI), J. Conrad, A. Lichtenstein / S. Kettemann (solid state MC), ...
- > Theoretician of the week:
 - Want to get started in March, perhaps with Tilman Plehn (?)
- > Studentships (and projects on web pages) → Feedback?



PRC REVIEWER REPORT

- 68. PRC included presentations and written report from Analysis Centre and NAF.
 - Altogether excellent feedback; in closed session there was still a strong statement about the need for strong(er) DESY support in terms of manpower. This vanished in the written report:

The mission of the Helmholtz Alliance analysis center is to enhance the physics potential of the German LHC/ILC community by providing analysis infrastructure and by supporting topics of general relevance such as education, training, basic research, tools development, LHC/ILC analysis support, and networking. It will become the focus of LHC/ILC analysis at DESY and it aims at having major impact on important projects and programs. The analysis centre already plays an important role in stimulating cooperation between analysis groups in Germany. The promising road taken should be followed further and possibilities for closer collaboration with institutes are to be explored. The PRC recommends that the indispensable support by DESY for the analysis centre be complemented by the collaborating institutes.



SCHOOLS AND WORKSHOPS

- > Numerous plans already now; need to fix dates and exact scopes.
- > Further ideas? Financing discussed this afternoon in MB session!

Name	Expected participants	Date, place	Amount [€]
Introduction to HEP*	50	8-12 March, DESY	20.000
Statistics (basics)	70	Spring, DESY	5.000
Contribution to CTEQ/MCNet school		June (?), Black Forrest	5.000
PDF 2010	40	Autumn, Zeuthen	4.000
C++	40-50	September (?)	4.000
School on MC, PDFs and NLO	50	Unclear, Feiburg	6.000
Follow-up of „detector understanding“ school	40	Unclear, ???	5.000
Advanced Statistics	50	Autumn, Göttingen	5.000
Standard Candles at LHC (PDF group)	25	May, Zeuthen	4,000
Additional funds for short-term ideas			10.000
Total			68.000

Plus OODesign (Dresden, March) and SUSY school (Bonn, Summer).



> Going out tomorrow. Last-minute feedback?

http://www.terascale.de/research_topics/rt1_physics_analysis/analysis_centre/newsletter/



Newsletter of the Analysis Centre

in the Helmholtz Alliance "Physics at the Terascale"
15 December 2009

Comments and input to anacen@desy.de

Introduction and News

The year 2009 saw a quite remarkable development not only of the Analysis Centre, but of the Helmholtz Alliance as a whole. Concerning the centre, a number of milestones were reached:

- All positions at DESY foreseen for the centre could be filled. Overall, that makes 4 dedicated positions at DESY (2 in the field of MC, one in the Statistics Tools group, 1 overall organisation) plus about 10 other strongly involved DESY colleagues and a slightly smaller number of contributors from other institutes.
- Altogether 8 schools and workshops with several hundred participants were organised. The events covered topics of general interest (basic schools on MC, PDFs, statistics), but also more specialised issues (workshop on "single top and fourth-generation quarks").
- The three working groups on MC, PDFs, and Statistics Tools have been well established, doing dedicated research, integrating in the global efforts in their respective fields and bundeling the Alliance expertise.
- A number of people attached to the Analysis Centre or the Analysis research topic of the Alliance are driving forces behind German outreach activities (like for example the Bonn "Teilchenphysikshow").
- Numerous further activities have been put in place, and ideas for stronger LHC data analysis support are being discussed.

All in all, the Analysis Centre is on a good way, and I would like to thank everybody who contributed to any of the Analysis Centre activities for their effort and input: Thanks a lot!

This is the last newsletter in 2009. The Analysis Centre wishes all Alliance members and their families and friends a very merry christmas and a happy new year. We will come back to you in 2010 with not just m*ore of the same", but also with a number of fresh activities and initiatives!

Meetings this and next week

- **24/25 December 2009: Meeting with Santa Claus / Weihnachtsmann / joulupukki / père Noël / ded moros ...**
... unfortunately not on EVO!

http://www.terascale.de/research_topics/rt1_physics_analysis/analysis_centre/newsletter/



Upcoming schools and workshops

Please take note of the following two schools that will take place early in 2010:

MC-PAD & Alliance Training Event "Geant4 detector simulation and ROOT data analysis", 4-6 March 2010, DESY (Hamburg)

This combined MarieCurie MC-PAD / Helmholtz Alliance training event on Geant4 and ROOT data analysis is designed for young scientists from the Helmholtz Alliance. The events will combine introductory lectures and hands-on experience on topics like fitting with ROOT, Geant4 simulation, statistical data analysis of simulated data, tracking and (simulated) detector characterisation. For more information see http://www.terascale.de/schools_and_workshops/geant2010/ or contact the organisers (anacen@desy.de).

"Introduction to Terascale Physics", 8-12 March 2010, DESY (Hamburg)

The "Introductory School on Terascale Physics" aims at providing the essential information and techniques on the subject that bachelor students may find very helpful for a productive thesis. The programme consists of lectures and adapted computer exercises on physics, data analysis and technical issues. The school takes place at DESY (Hamburg) from 8-12 March 2010. For more details and the developing programme see the INDICO web page: http://www.terascale.de/schools_and_workshops/istp2010/. Registration and selection for participation is via a mail to the [Analysis Centre](mailto:anacen@desy.de) (anacen@desy.de) of the Helmholtz Alliance, specifying your interest and/or involvement in high-energy physics and the name of your recommending supervisor and his/her institute.

... AND THEN:



See you again in 2010 !