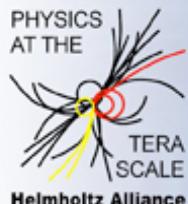


PDF SCHOOL 2008

ANALYSIS CENTRE and OUTLOOK AND GOODBYE

Thomas Schörner-Sadenius
(Analysis Centre / DESY)

PDF School
DESY Zeuthen, 14 November 2008



PHYSICS AT THE TERASCALE
Strategic Helmholtz Alliance



ANALYSIS CENTRE

What can it do for you?

THE HELMHOLTZ ALLIANCE

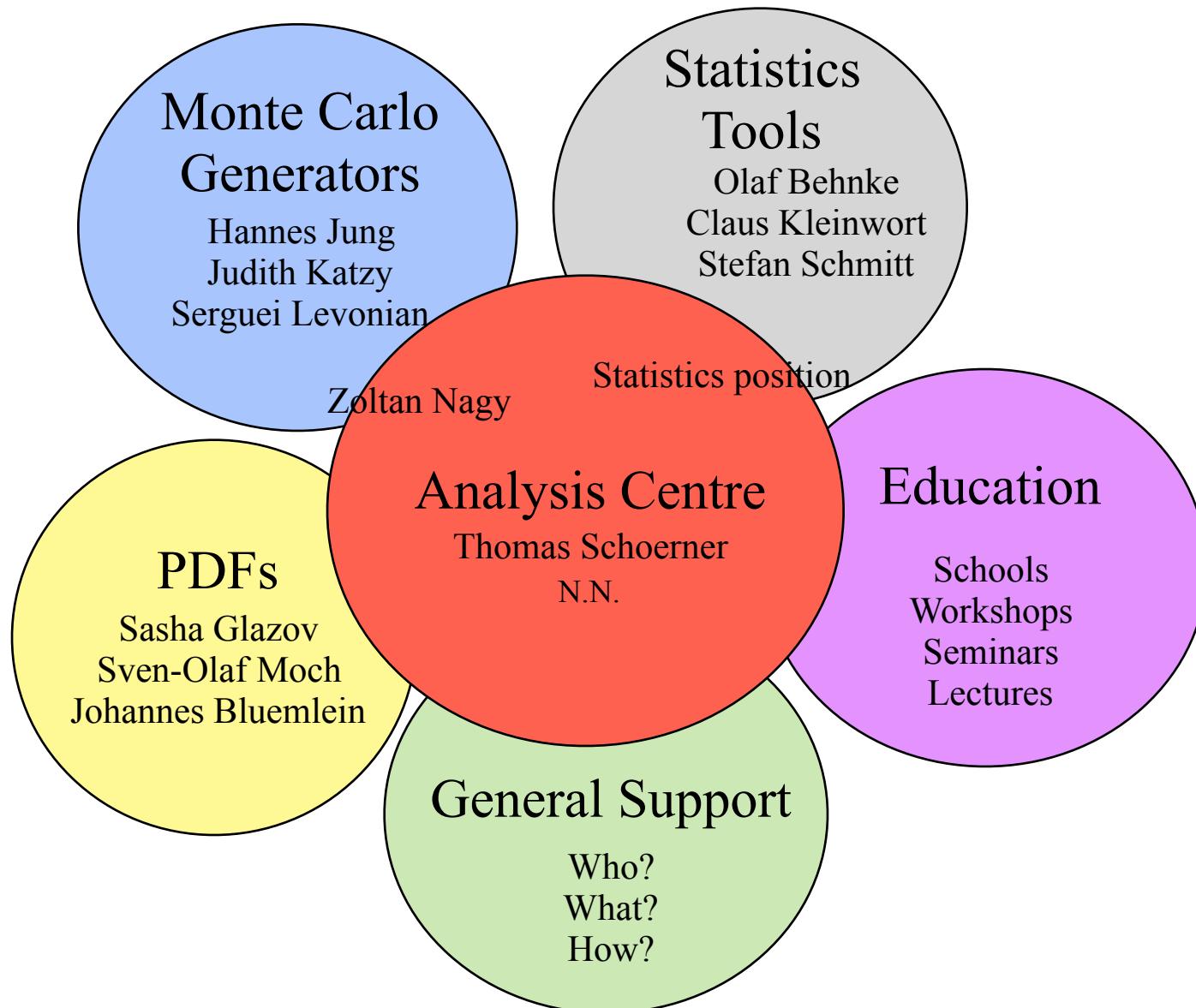
Physics at the Terascale

	Physics Analysis	Grid Computing	Detector Science	Accelerator Science
Scientific Goals	Data Analysis <ul style="list-style-type: none"> Understanding LHC Detectors Physics at the LHC The path to the ILC Analysis Tools <ul style="list-style-type: none"> Algorithms and Techniques Simulation Tools Theory/Phenomenology <ul style="list-style-type: none"> Monte Carlo Generators Precise Predictions New Models 	Improved Grid <ul style="list-style-type: none"> Virtualization Application-driven monitoring Development of NAF tools Data Storage + Retrieval <ul style="list-style-type: none"> Mass storage Data Access 	ILC Detectors <ul style="list-style-type: none"> Vertex Detector Tracking Calorimetry Forward Detectors (s)LHC Detectors <ul style="list-style-type: none"> Vertex Detectors Tracking Trigger Luminosity Monitor 	Optimizing the ILC <ul style="list-style-type: none"> Acceleration Technology Sources Beam Dynamics
Work Packages	Analysis Network <ul style="list-style-type: none"> Alliance Working Groups Monte Carlo Group Virtual Theory Institute Analysis Centre at DESY Training and Exchange	Virtual Computing Centre <ul style="list-style-type: none"> Tier 2 National Analysis Facility High performance network R&D on Grid Tools: Mass storage Collaborative & Interactive tools User friendliness	Virtual Detector Lab <ul style="list-style-type: none"> VLSI & Electronics Support Sensor Design & Characterization Detectors Systems Support R&D Projects	Advancing Accelerator Science R&D Projects

Backbone Activities

Management – Young Investigator Groups - Fellowships – Equal Opportunities – Outreach – Interim Professorships

ANALYSIS CENTRE



FORTHCOMING EVENTS

Past:

- MC School, 100 participants
- Statistics Tools School, 120 participants
- PDF School, 40 participants.

In preparation:

- Fitting Workshop, March 30 - April 1.
- MC School 2009, April 20-24.
- Computer Algebra School, March 29 - April 3.

In planning:

- CTEQ+MCNET+Alliance School 2010
- Introduction to HEP statistics
- Limits+Combination Workshop
- Yearly introductory course to beginners
- Grid tools workshop
- Scientific computing
- non-basic ROOT

Your ideas?

CONTACTS AND SUPPORT

Analysis Centre:

- anacentre@desy.de: general address for distributing information
- anacentre-manage@desy.de: individual questions, information, concern, ...

MC:

- hannes.jung@desy.de, judith.katzy@desy.de, serguei.levonian@desy.de,
zoltan.nagy@desy.de
- anacentre-mc@desy.de

Statistics Tools:

- olaf.behnke@desy.de, stefan.schmitt@desy.de, claus.kleinwort@desy.de
- anacentre-statistics@desy.de

PDF:

- sven-olaf.moch@desy.de, alexandre.glazov@desy.de,
johannes.bluemlein@desy.de
- anacentre-pdf@desy.de

... and all of the persons above directly, of course ...

Which is the best way to organise support?
(mailing list, WIKI, FAQ, hypernews, ...)

Need to try it out !

DISCUSSION WEEKS/DAYS

Analysis Centre Discussion Weeks

- Bring together small number of experts to work on well-defined problem for limited period of time, ~1 week.
- Provide creative atmosphere, a bunch of experts, work space, opportunity for discussion and exchange ...
- mid/long-term effect: Accumulation of experience and knowledge in the centre.

First two discussion days took place in October and yesterday:

P. Marchesini: Criticism of the dipole approach.

~20 people attending directly / via EVO. Very productive discussion.

J. Huston: PDF4MC

Planned discussion weeks:

- MC group: - Minimum bias, underlying event and MPI (Gieseke, Lund)
- PDF group: - PDFs and luminosity determination (R. Thorne, P. Nadolsky)
 - Heavy flavour in PDF fits (A. Vogt, S. Alekhin)
 - role of strangeness in PDFs (R. Thorne, N.N. from HERMES)

Open for your suggestions and wishes!



PHYSICS AT THE TERASCALE

Strategic Helmholtz Alliance



From Wofwiki

Main Page

site notice:

Welcome to the Terascale Alliance Wiki

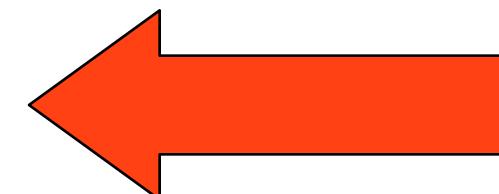
This wiki is meant to collect and contain information pertaining to the activities and topics covered by the Terascale Alliance, and to enable the community to communicate and create the content collaboratively.

Getting Started

Until further notice, everyone can participate after [creating an account](#).

To practice editing use the [Sandbox](#).

For questions, use the mailing list wiki-users@desy.de.



The Analysis Centre at DESY

General information on the Analysis Centre can be found on the [Terascale web pages](#). The Analysis Centre is currently structured into three groups:

- [Monte Carlo Generators](#)
- [Statistical Tools](#)
- [Parton Distribution Functions](#)
- [Collaborative Tools](#)

Please refer to the WIKI pages of these groups for relevant information.

Imported Content LHC-D Workshop

- [LHC-D Workshop](#)
- [ILC](#)

WIKI for discussions / documentation
of MC / PDF / Statistics / general issues.

GOOD-BYE

... and thanks a lot for your attendance,
your questions and contributions!

Thanks a lot to all speakers for their presentations!

Thanks to the organizers Sven, Johannes, and Sasha!

Hope to see you soon at another Analysis
Centre school or workshop, or in one of the
Analysis Centre groups!