MC group meeting - 29. April 08

- report from the MC school
- MC position
- next projects:
  - HEPMC
  - GENSER - validation
  - PDF4MC
  - RIVET
  - QCDwiki
- AOB

MC position

- MC position is announced
- selection committee not
  defined: aim is to have
  representative from MC
  joining.

DESY, Hamburg location, is seeking:

A Scientist

The Analysis Centre of the Helmholtz Alliance "Physics at the Terascale" at DESY supports physicists at German universities and institutes working on analyses at ATLAS, CMS and ILC in areas like Monte Carlo generators, parton distribution functions and statistics tools. The Monte Carlo group is one of the major activities of the Analysis Centre and provides maintenance, support, validation and tuning of existing Monte Carlo event generators.

The position

- Active contribution to and shaping of the above topics
- Participation in new developments of general purpose Monte Carlo generators

Requirements

- Ph.D. in physics
- Experience in the simulation of higher order contributions and the development of parton showers in Monte Carlo event generators is welcome

The position will be for an initial duration of five years and can become permanent in case of positive evaluation. If the successful candidate already holds a permanent position it can be made permanent from the beginning.

For further information you may also contact Klaus Mönig (klaus.moenig@desy.de) and Hannes Jung (hannes.jung@desy.de).

Applications including a letter of application, CV, academic records as well as a list of publications and the names of three persons who can provide further information about the candidate should be addressed to:

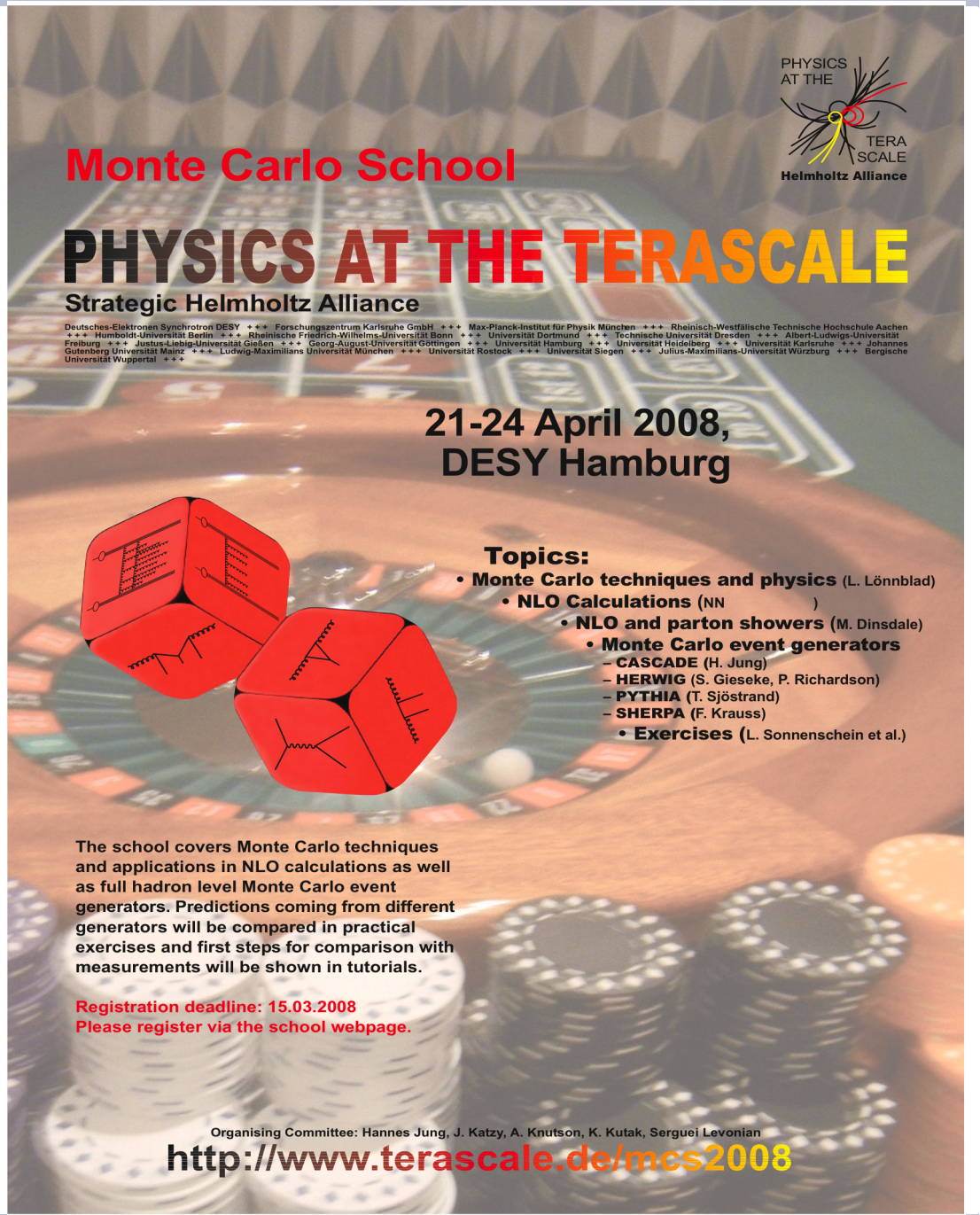
Prof. Ian Brock (Scientific Manager of the Helmholtz Alliance) DESY, Notkestraße 85, D-22607 Hamburg (Ian.Brock@desy.de)

Salary and benefits are commensurate with those of public service organisations in Germany. DESY operates flexible work schemes. Handicapped persons will be given preference to other equally qualified applicants. DESY is an equal opportunity, affirmative action employer and encourages applications from women. There is an English-speaking Kindergarten on the DESY site.

Closing date for applications is 15 June 2008.

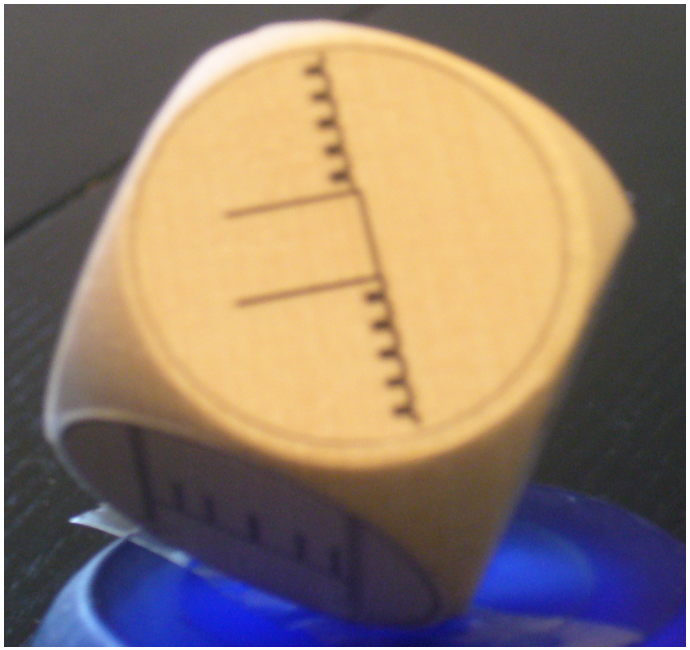
MC school

- more than 100 registered participants
- good response
- need to analyse the questionaire...

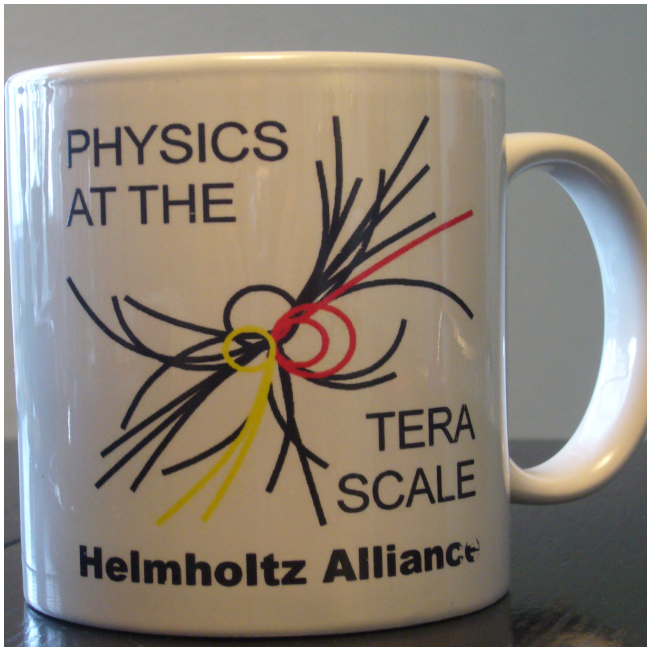


Get your Monte Carlo school toys ...

- The necessary tool for a true Monte Carlo event generator:
  Dices with LHC processes are available at the registration desk: 2 Euro



- For your Coffee/Tea breaks:
  cups with Terascale Logo are available at the registration desk: 5 Euro



Thanks

- Many thanks for coming
- Many thanks to all lecturers
  - ➔Leif Loennblad, Zakaria Merebashvili, Tornjorn Sjostrand, Stefan Gieseke, Steffen Schumann, Michael Dinsdale, Henrik Hoeth, Albert Knutsson, Krzysztof Kutak, Lars Sonnenschein
- Many thanks to MCnet for support
- Many thanks to all participants in the exercises

Thanks

- Many thanks to all those who produced the plots for this morning session (and spend the whole night for this...)
- Many thanks to those who gave a presentation this morning (and spend the business dinner...)

➔ Cano AY, Evelyn SCHMIDT, Sebastian ECKWEILER; Carsten HANDEL,Fred-Markus STOBER, Julia RUIZ, Deniz SUNAR, Ringo SCHMIDT, Dörthe LUDWIG, Michael BöHLER, Matthias MEYER, Christian SPECKNER, Peter STEINBACH, Kathrin LEONHARDT

Thanks

- Many thanks to those doing all the work (in the background)
  - R. Eisberg, O. Knak for recording, video and sound
  - H. Lehmann and crew for PCs, PC cluster
  - S. Lehmann, U. Lindemann for WLAN
  - T. Tempel for school user accounts
  - B. Lewendel for PC cluster/NAF and all questions concerning computing during this school
  - Hostel: H. Hummerjohann and crew
  - B. Liebaug for poster
  - M. Mayer for poster, folder, fotos
- Many thanks to DESY and Alliance for support

Thanks

- Many thanks to excursion guides:

  E. Wuensch, M. Vogt, Yves Kemp
- Many thanks to those helping preparing the exercises:

A. Cholewa, W. Wuensch, N. Gogitidze, A. Fomenko, A. Borrisov
- Many thanks to my co-organisers:

  J. Katzy, A. Knutsson, K. Kutak, S. Levonian
- Many thanks to the "Lady of the Dices":

  Karen Troeger
- Many, many thanks to:

  Michaela Grimm, Alla Grobowsky, Sabine Platz

next projects

- HEPMC: problems during the MC school... can we solve them
  - check also the PYTHIA -CASCADE comparison
- GENSER for 64 bits
- further GENSER issues ?

next projects

- GENSER validation (proposal by M. Kirsanov)

Ordinary tests

pythia8

1. EP - conservation, multiplicities — M. Kirsanov
2. Cross section of processes (use pythia6 test4 as the list) — A. Polyarush
3. Double interactions — M. Kirsanov

powheg

1. Basic tests to be defined

tauola

1. Test with Higgs production and decay to tau
2. As 1, but with pythia8

herwig++

1. Improve test1: Z+jet instead of Z — M. Kirsanov
2. Print final cross section from the user part
3. Run herwig++ through the ThePEG framework — M. Kirsanov?
4. Basic tests: EP - conservation, multiplicities
5. Test with Higgs production and decay to tau (spin correlations as in tauola)
6. Radiative corrections (as in photos)?

next projects

- GENSER validation (proposal by M. Kirsanov)

  Ordinary tests

  sherpa

  1. Basic test with event analysis

  photos

  1. Test with pythia8

  evtgenlhc

  1. Test with photos

  CASCADE ????

  Rivet tests

  ---

next projects

- PDF4MC
  - what needs to be done ?
    - 1st checks and tests until summer ?
  - who can/wants to work on this (Federico von Samson-Himmelstjerna, ?)

next projects

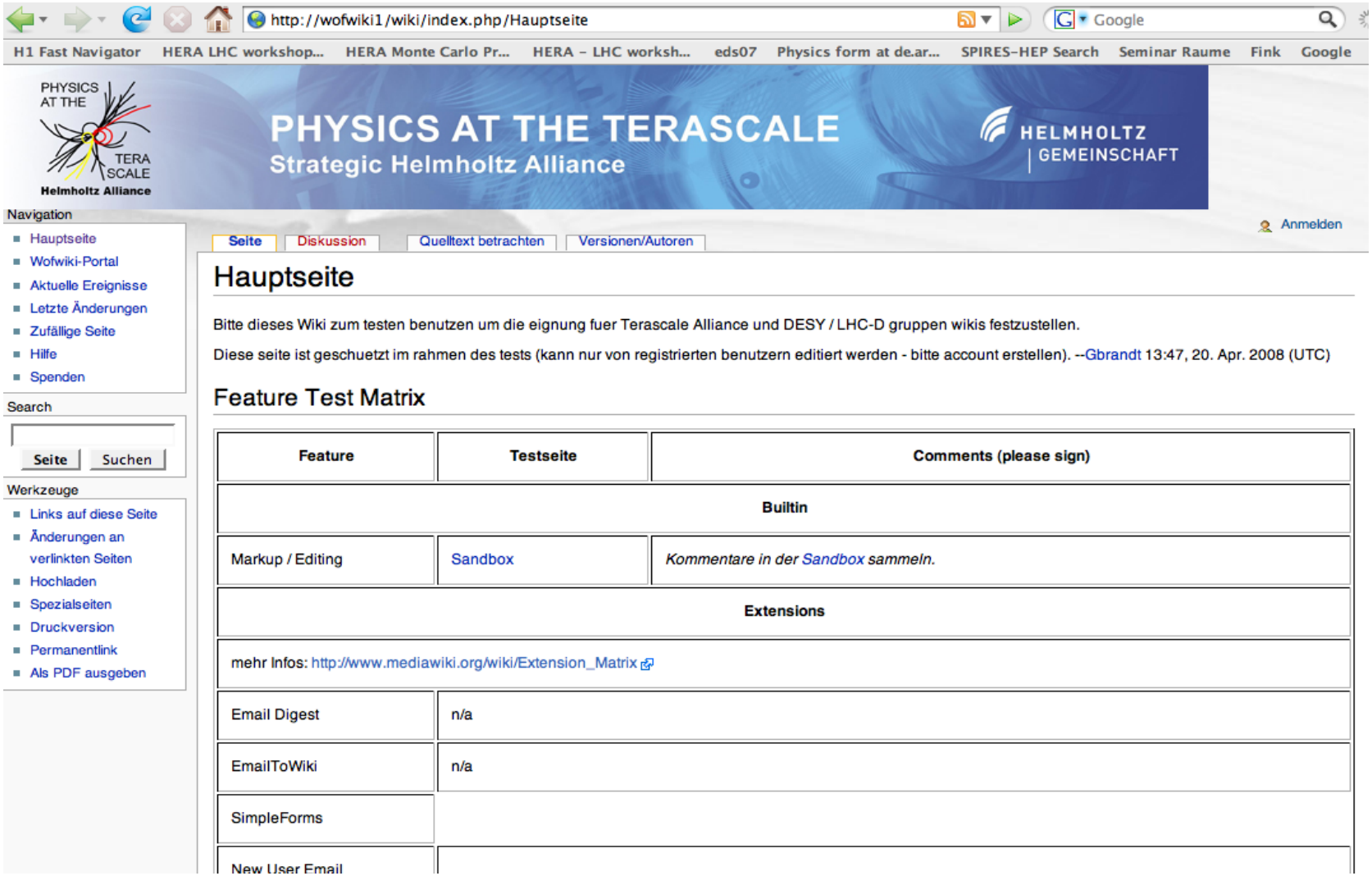
- RIVET
  - what needs to be done ?
  - who can/wants to work on this

next projects

- QCDwiki
  - idea of wikipedia for QCD including HERA results
  - get web-office experts involved (have now very good experience with IT support...)

next projects

- web based tools:
- twiki pages ?



http://wofwiki1/wiki/index.php/Hauptseite

H1 Fast Navigator | HERA LHC workshop... | HERA Monte Carlo Pr... | HERA – LHC worksh... | eds07 | Physics form at de.ar... | SPIRES-HEP Search | Seminar Raume | Fink | Google

PHYSICS AT THE TERASCALE
Strategic Helmholtz Alliance

HELMHOLTZ GEMEINSCHAFT

Navigation
- Hauptseite
- Wofwiki-Portal
- Aktuelle Ereignisse
- Letzte Änderungen
- Zufällige Seite
- Hilfe
- Spenden

Search

Seite | Suchen

Werkzeuge
- Links auf diese Seite
- Änderungen an verlinkten Seiten
- Hochladen
- Spezialseiten
- Druckversion
- Permanentlink
- Als PDF ausgeben

Seite | Diskussion | Quelltext betrachten | Versionen/Autoren | Anmelden

Hauptseite

Bitte dieses Wiki zum testen benutzen um die eignung fuer Terascale Alliance und DESY / LHC-D gruppen wikis festzustellen.

Diese seite ist geschuetzt im rahmen des tests (kann nur von registrierten benutzern editiert werden - bitte account erstellen). --Gbrandt 13:47, 20. Apr. 2008 (UTC)

Feature Test Matrix

Feature	Testseite	Comments (please sign)
Builtin		
Markup / Editing	Sandbox	*Kommentare in der Sandbox sammeln.*
Extensions		
mehr Infos: http://www.mediawiki.org/wiki/Extension_Matrix		
Email Digest	n/a	
EmailToWiki	n/a	
SimpleForms		
New User Email		

AOB

- next meeting: 8 May together with kickoff for stat. tools

  DESY internal Kick-off-Meeting for

  'Statistical tools' in the Analysis Centre

  Date: May 8th (thursday), 11:00-13:00 Venue: Sem. 2

  Tentative Agenda:

  - Introduction (O. Behnke, C. Kleinwort, S. Schmitt) (10+5)
  - Statistical tools for unfolding, fitting and other things (V. Blobel) (10+5)
  - Available tools and software in HEP (NN) (10+5)
  - Discussion on the role, targets and 'work mode' of the ST group (Convenors) (15)
  - Planning, e.g. organisation of Alliance Statistical Tools
    + Workshop @DESY 19.6.
    + School @DESY 29.9.-2.10.

  All interested people are welcome!