


MC group meeting - 27. Feb 08

- Announcements
- web infos/web page
- MC school
- interface for HEPMC to all GENSER generators
- installation of GENSER at DESY
- AOB

Announcements

- GENSER - HEPMC meeting: 5 March 16:30






LCG Generator Services monthly meeting

Wednesday 05 March 2008
from 16:30 to 18:30
at CERN (32-1-A24)

Description: LCG Generator Services monthly meeting.
EVO video-conference: community="WLCG", title="LCG Generator Services".
Telephone conference: title="LCG Generator Services", organized by "A.Ribon".

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16:30 Introduction (10')	  Slides )	Alberto Ribon (CERN)
16:40 HepMC : status and plan for a new release (40')		Lynn Garren (FNAL)
17:20 Open discussion (40')		all

HEPMC - GENSER 1 (A. Ribon)

LCG Generator Services:
HepMC releases

Alberto Ribon
CERN PH/SFT

Introduction

- ❑ HepMC is a *de facto* standard event record used by ATLAS, CMS, LHCb, and MC authors.
- ❑ The users of HepMC expect and desire to have a mature and stable package: only bug-fixes and very few truly necessary changes should be allowed.
- ❑ Pure bug-fixes in HepMC should be promptly included in patch-releases, without other changes. I hope we all agree on that... so that we can instead concentrate on the next item:
- ❑ How to incorporate in HepMC changes, additions, and new requirements?

HEPMC - GENSER 2 (A. Ribon)

LCG Generator Services:
HepMC releases

Guiding principle

Alberto Ribon
CERN PH/SFT

- ❑ HepMC should remain **simple** and **minimal**.
- ❑ **Conservative** approach: changes of HepMC only when their expected benefits clearly outweigh the problems and efforts they could bring.
- ❑ **Minimal risk** : if a change of HepMC can be implemented in different ways, we should take the simplest solution with the minimal impact.
- ❑ **Backward compatibility**: we want to be able to read back old ROOT-persistified HepMC events.
- ❑ Priorities should be based on the perceived impact on the **LHC community**.
- ❑ Frequency of HepMC releases: no more than 1 (ideally) or 2 (max) per year.

HEPMC - GENSER 3 (A. Ribon)

LCG Generator Services:
HepMC releases

Proposal

Alberto Ribon
CERN PH/SFT

- ❑ To have 1 (ideally) or 2 (max) LCG Generator Services monthly meetings dedicated to the next HepMC release. Today's meeting is the first one!
- ❑ The collected requests and proposed solutions will be presented by Lynn. Slides should be available at least few days before the meeting.
- ❑ An open discussion on the proposal will follow the presentation. Hopefully an agreement/compromise on the actions to be taken will be reached.
- ❑ Minutes will be written and circulated. Users will have a second chance for comments.
- ❑ After ≈ 2 weeks, the final actions will be decided. Finally Lynn will include them in the new release.

Announcements

- Position for Leader of Analysis Center
 - selection committee is active (who is in ?)
- 19 applications
- short list produced
- further infos from Klaus and Ian ?

Announcements

- **MC position in MC group at DESY:**

tuning of MC.

PDF4MC for MC generators

Underlying events including diffraction and saturation

Calculation of ME (also automatized) and matching to kT factorized PS
MCs

Further development of kt-dependent MCs

User Support

→ **DESY directorate agrees to advertise tenure track**

MC position

→ **communicated by Klaus and Ian yesterday**

→ **next steps:**

draft position announcement within next week (who will be involved ?)

publish it as soon as possible ...

MC school

- **Organising Committee:**

H. Jung, J. Katzy, A. Knutsson,
K. Kutak, S. Levonian and help
from M. Grimm

web page:

<http://www.terascale.de/mcs2008>

- **already now: 27 registrations....**

The poster features a background image of a roulette wheel and stacks of casino chips. At the top right is the logo for 'PHYSICS AT THE TERA SCALE' with a stylized particle detector icon and 'Helmholtz Alliance' text. The main title 'Monte Carlo School' is in red, followed by 'PHYSICS AT THE TERASCALE' in large, bold, yellow and red letters. Below this is 'Strategic Helmholtz Alliance' and a long list of participating institutions in small text. The dates '21-24 April 2008, DESY Hamburg' are prominently displayed. A central graphic shows three red dice with Feynman diagrams on their faces. To the right, under 'Topics:', are bullet points for Monte Carlo techniques, NLO calculations, event generators (CASCADE, HERWIG, PYTHIA, SHERPA), and exercises. A paragraph at the bottom left describes the school's content. The registration deadline '15.03.2008' and website are listed. The organizing committee names and the website are at the very bottom.

Monte Carlo School

PHYSICS AT THE TERASCALE

Strategic Helmholtz Alliance

21-24 April 2008,
DESY Hamburg

Topics:

- Monte Carlo techniques and physics (L. Lönnblad)
- NLO Calculations (NN)
- NLO and parton showers (M. Dinsdale)
- Monte Carlo event generators
 - CASCADE (H. Jung)
 - HERWIG (S. Gieseke, P. Richardson)
 - PYTHIA (T. Sjöstrand)
 - SHERPA (F. Krauss)
- Exercises (L. Sonnenschein et al.)

The school covers Monte Carlo techniques and applications in NLO calculations as well as full hadron level Monte Carlo event generators. Predictions coming from different generators will be compared in practical exercises and first steps for comparison with measurements will be shown in tutorials.

Registration deadline: 15.03.2008
Please register via the school webpage.

Organising Committee: Hannes Jung, J. Katzy, A. Knutsson, K. Kutak, Serguei Levonian

<http://www.terascale.de/mcs2008>