MC4LHC - 2006

Report of Contributions

Contribution ID: **0** Type: **not specified**

HERWIG++

Thursday 20 July 2006 15:30 (30 minutes)

Presenter: GIESEKE, Stefan (Karlsruhe University)

Session Classification: MC tools, status reports

Contribution ID: **1** Type: **not specified**

PYTHIA8

Thursday 20 July 2006 16:00 (30 minutes)

Presenter: SJOSTRAND, Torbjorn (LUND/CERN)

Session Classification: MC tools, status reports

Contribution ID: **2** Type: **not specified**

SHERPA

Thursday 20 July 2006 16:30 (20 minutes)

Presenter: KRAUSS, Frank (Dresden University)

Session Classification: MC tools, status reports

Contribution ID: **3** Type: **not specified**

MC@NLO

Thursday 20 July 2006 16:50 (15 minutes)

Presenter: FRIXIONE, Stefano (INFN, Genova)

Session Classification: MC tools, status reports

Contribution ID: **4**	Type: **not specified**

MADGRAPH

Thursday 20 July 2006 17:05 (15 minutes)

Presenter: ALWALL, Johan (Universite' Louvain)

Session Classification: MC tools, status reports

Contribution ID: **5**   Type: **not specified**

ALPGEN

Thursday 20 July 2006 17:20 (15 minutes)

Presenter: MANGANO, Michelangelo (CERN)

Session Classification: MC tools, status reports

Contribution ID: **6** Type: **not specified**

HELAC/PHEGAS

Thursday 20 July 2006 17:35 (15 minutes)

Presenter: PAPADOPOULOS, Costas (Demokritos, Greece)

Session Classification: MC tools, status reports

Contribution ID: **7**   Type: **not specified**

TopReX

Thursday 20 July 2006 17:50 (15 minutes)

Presenter: SLABOSPITSKY, Sergey (IHEP, Protvino)

Session Classification: MC tools, status reports

Contribution ID: **8** Type: **not specified**

PHANTOM

Thursday 20 July 2006 18:05 (15 minutes)

Presenter: MAINA, Ezio (University and INFN, Torino)

Session Classification: MC tools, status reports

Contribution ID: **9** Type: **not specified**

CompHEP

Thursday 20 July 2006 18:20 (15 minutes)

Presenter: Dr DUDKO, Lev (Moscow State University)

Session Classification: MC tools, status reports

Contribution ID: **10** Type: **not specified**

AcerMC

Thursday 20 July 2006 18:35 (15 minutes)

Presenter: KERSEVAN, Borut (University of Ljubljana)

Session Classification: MC tools, status reports

Contribution ID: **11**   Type: **not specified**

Welcome and introduction

Thursday 20 July 2006 09:00 (15 minutes)

Session Classification: MC tools, use in the experiments

Contribution ID: **12** Type: **not specified**

ATLAS: MC experience and needs

Thursday 20 July 2006 09:15 (40 minutes)

Presenter: KERSEVAN, borut (University of Ljubljana)

Session Classification: MC tools, use in the experiments

Contribution ID: **13** Type: **not specified**

CMS: MC experience and needs

Thursday 20 July 2006 09:55 (40 minutes)

Presenter: DE ROECK, Albert (CERN)

Session Classification: MC tools, use in the experiments

Contribution ID: **14**   Type: **not specified**

LHCb: MC experience and needs

Thursday 20 July 2006 11:00 (30 minutes)

Presenter: ROBBE, Patrick (LAL, Orsay)

Session Classification: MC tools, use in the experiments

Contribution ID: **15** Type: **not specified**

ALICE: MC experience and needs

Thursday 20 July 2006 11:30 (30 minutes)

Presenter: MONTENO, Marco (CERN)

Session Classification: MC tools, use in the experiments

Contribution ID: **16**   Type: **not specified**

HepPDT and HepMC

Thursday 20 July 2006 12:00 (30 minutes)

Presenter: GARREN, Lynn (FERMILAB)

Session Classification: MC tools, use in the experiments

Contribution ID: **17**   Type: **not specified**

CEDAR and associated tools

Thursday 20 July 2006 13:30 (30 minutes)

Presenter: BUTTERWORTH, Jon (University College London)

Session Classification: Proposed work projects

Contribution ID: **18** Type: **not specified**

Supporting Monte Carlo generators at the LHC

Thursday 20 July 2006 14:00 (20 minutes)

Working group meet on Tuesday 18th AM.
The general support of Monte Carlo services for the LHC is currently delegated to
LCG. The workshop offers an opportunity to re-evaluate some of the issues
dealing with the development and maintenance of the Monte Carlo software
relevant for both the experimental and the theoretical communities.

Presenter: BARTALINI, Paolo (University of Florida)

Session Classification: Proposed work projects

Contribution ID: **19**   Type: **not specified**

Minimum Bias and Underlying Event

Thursday 20 July 2006 14:20 (10 minutes)

Working group meet on Friday 21st AM.

Session Classification: Proposed work projects

Contribution ID: **20** Type: **not specified**

Jet algorithms

Thursday 20 July 2006 14:30 (30 minutes)

Presenter: HUSTON, Joey (Michigan State University)

Session Classification: Proposed work projects

Contribution ID: **21** Type: **not specified**

Priority data sets for JetWeb

Saturday 22 July 2006 09:30 (15 minutes)

Session Classification: CEDAR and associated tools

Contribution ID: **22** Type: **not specified**

Priority data sets for JetWeb

Saturday 22 July 2006 09:50 (20 minutes)

Presenter: SJOSTRAND, Torbjorn (Department of Theoretical Physics)

Session Classification: CEDAR and associated tools

Contribution ID: **23**   Type: **not specified**

Priority MC models to be validated

Saturday 22 July 2006 10:40 (30 minutes)

If the experiments can provide a list of the top priority MC
models you would like to see in JetWeb, that would be very
helpful.

Session Classification: CEDAR and associated tools

Contribution ID: **24** Type: **not specified**

Rivet and RivetGun

Saturday 22 July 2006 11:10 (20 minutes)

These projects are supposed to be C++ replacements for HZTool/HZSteer in providing generator-independent particle-level analysis routines.

Presenter: Dr BUCKLEY, Andy (Durham University)

Session Classification: CEDAR and associated tools

Contribution ID: **25**   Type: **not specified**

CEDAR and GENSER discussion?

Saturday 22 July 2006 11:30 (20 minutes)

Presenter: Dr BUCKLEY, Andy (Durham University)

Session Classification: CEDAR and associated tools

Contribution ID: **26** Type: **not specified**

Continuation of HepMC/CLHEP discussions (if necessary)

Saturday 22 July 2006 12:00 (20 minutes)

Session Classification: CEDAR and associated tools

Contribution ID: **27** Type: **not specified**

LCG MCDB

Friday 21 July 2006 09:25 (30 minutes)

Status report on LCG MCDB project

Presenter: Dr DUDKO, Lev (Moscow State University)

Session Classification: LCG Monte Carlo Services (LCG Generator)

Contribution ID: **28**   Type: **not specified**

LCG HepML

Friday 21 July 2006 09:55 (30 minutes)

Presenter: SHERSTNEV, Alexander (University of Cambridge)

Session Classification: LCG Monte Carlo Services (LCG Generator)

Contribution ID: **29** Type: **not specified**

CEDAR HepML

Friday 21 July 2006 10:25 (20 minutes)

Discussion on the proposed merged schemas, common areas, etc
etc.

Session Classification: LCG Monte Carlo Services (LCG Generator)

Contribution ID: **30**   Type: **not specified**

LHA-I in Pythia

Friday 21 July 2006 11:15 (20 minutes)

Session Classification: LCG Monte Carlo Services (LCG Generator)

Contribution ID: **31** Type: **not specified**

Higgs production via VBF: Comparison between generators

Friday 21 July 2006 13:30 (10 minutes)

Presenter: MELLADO GARCIA, Bruce (University of Wisconsin)

Session Classification: EW/QCD background simulations

Contribution ID: **32**   Type: **not specified**

Multi-jet final states: ALPGEN experience in CMS

Friday 21 July 2006 13:40 (10 minutes)

Session Classification: EW/QCD background simulations

Contribution ID: **33**   Type: **not specified**

Heavy Particles and Hard Jets

Friday 21 July 2006 13:50 (20 minutes)

Presenter: Dr SKANDS, Peter (FNAL)

Session Classification: EW/QCD background simulations

Contribution ID: **34**   Type: **not specified**

Merging Matrix Elements and Parton Showers with Sherpa

Friday 21 July 2006 14:10 (20 minutes)

Presenter: SCHUMANN, Steffen (Institute of Theoretical Physics, Dresden Univ. of Technology)

Session Classification: EW/QCD background simulations

Contribution ID: **35** Type: **not specified**

Ariadne and CKKW

Friday 21 July 2006 14:50 (10 minutes)

Presenter: LÖNNBLAD, Leif (Lund University)

Session Classification: EW/QCD background simulations