

Conveners Meeting

- Announcements
- results, comments, critics from this meeting
- next meeting at CERN (dates)
- how to prepare for next meeting (forming subgroup to work on specific topics etc..)
- preparation of proceedings
- continuation of the HERA - LHC workshop series after 2008 ?
- AOB

Announcements

- WG reports on Friday:
 - 35-40 min (leaving 5 min for discussion)
 - Please try to give a resumé of also the discussions

What LHC needs in 2007/2008 ?

- LHC will have first data at 900 GeV end of this year ..
 - First 14 TeV data in summer 2008
 - LHC experiments are preparing Monte Carlo data for 14 TeV analysis now...
so need to fix parameters now
 - Examples:
 - Which PDFs to use ...
 - HERA ?, LO/NLO ? Which scheme ?
 - Underlying event/multiple interaction parameters need to be fixed soon ...
- **Need feedback from HERA now**

What is still left to do – a few examples

- what is the present and expected precision of the **parton densities** obtained using HERA data and what are the resulting **theoretical uncertainties** for benchmark cross section measurements in the first days
 - **Fit group of experts from HERA, LHC & theory**
- do we have the tools to understand the basic QCD cross section measurements: inclusive jets, W/Z xsections, heavy quarks including top
- do we have the tools to understand the **underlying event and multiple parton interactions ?**
 - **Is PYTHIA MI/Jimmy the final answer to MI and underlying events ? Do we understand MI enough to just tune MCs ? Are further investigations also from HERA needed ?**

What is still left to do – a few examples

- do we have the necessary measurements and informations to obtain **best tuned Monte Carlo event generators**
- ➔ **Tuning of MCs.** Are data available in computer usable form (Hzztool, Rivet) ? Which pdfs to use in MC generators (LO,NLO, Msbar, DIS, ... uPDFs) ?
- do we have all needed MC generators ready and do we have the tools ready for tuning when the first LHC data arrive ?
- what are the prospects for the 1st LHC papers: are the necessary preparations done and are the tools available (example: underlying events - are the analysis strategies clear; is it sure, that the necessary measurements can be done(angular coverage etc..), etc ...)?

Please answer those questions in the WG summaries

Resumee for this years meeting

- Propose that WGs write a short summary of the results:
 - Example:
 - Discussion in HQ group on F2c fits.... would be good to have written the differentent statements
 - MI/Underlying events: define benchmark x-section and try to get χ^2 numbers
 - etc

Next Meeting

- Next meeting in 2008 at CERN:
spring (March) or later
- Preparation of next meeting:
 - In the WGs (maybe even forming subgroups):
 - FitPDF group
 - MI/underlying event group
 - TOOL for fitting and tuning
- Preparation for the next proceedings:

Continuation of HERA-LHC workshops

- until now, pretty good participation

1 st workshop	March 2004 CERN	(~ 250 participants) -
	March 2005 DESY	(~ 150 participants)
2 nd workshop	6-9 June 2006 CERN	(~ 120 participants)
3 rd workshop	NOW DESY	(> 160 participants)

- continue workshop after 2008 ?