

Conveners Meeting

- Working groups and summaries
- Proceedings
- Future of HERA and the LHC workshops
- AOB

Working groups

- 4th HERA-LHC workshop marks the end of an era:
running HERA machine - before the start of LHC
- try to get the most out, from the data and phenomenology
- Questions (obvious....)
 - do we have the necessary tools for the LHC start?
 - pdfs, jets, HQ, diff, MCs ?
 - where are areas, which need urgent further work ?
 - where are areas, where progress can be made in the next 1-2 years ?
 - what has been achieved compared to 2006, what is still missing ?
 - identify the most relevant questions in your WG ... do we have answers ?
 - mainstream physics
 - critics of mainstream approaches
 - identify relevant measurements at HERA and what is still missing

Questions... for the summaries ..

- PDFs
 - which are the best PDFs to be used in which calculation, NLO and MC ?
 - understanding of uncertainties, extrapolations etc ?
 - where is small x relevant ?
- Jets
 - status of underlying event/multiple interaction, reliability of tunes ?
 - which jet algos to use
 - small x effects
 - hadronization parameter fits, can we just use LEP tunes ?
- HQ
 - production mechanism, simulation etc ?
 - heavy quark fragmentation functions etc ?
 - benchmark cross sections

WG summaries

- Speakers for friday session ?

Questions ... for the summaries..

- Diffraction
 - factorisation breaking and diff PDFs
 - Saturation - multiple interactions
- MC & tools
 - status of MC programs
 - mainstream and alternatives
 - tuning of MC program including HERA data
 - tuning of initial/final state parameters
 - tuning of hadronization parameters
 - tuning of underlying event
 - which PDFs to be used
 - standard PDFs, PDF4MC ?
 - uPDFs relevant and where ?
 - are all HERA measurements in HZTOOL/RIVET ?

Questions for the proceedings ...

- What are the relevant questions, HERA could answer ?
- Which measurements should/could be performed (still) with the precise HERA data ?
- Which theoretical/phenomenological investigations can be done with HERA measurements which will help understanding of LHC ?

Check summary of discussion session at DIS08 and list of topics.

Proceedings

- Consistent and common report per working group
 - with subsections covering different areas
- Define the goal of the WG and describe what has been achieved
- not only a collection of writeups of presentations
- 100 pages per WG
- do we want some general overview articles ?

- deadline for 1st draft of WG report: 1 Sept 2008
 - final version deadline: 15 Sept 2008
 - style file as for 2006 proceedings, will be available from web page
- print proceedings in October, published in November 2008
- proceedings online, but also printed (at DESY)
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Future of HERA - LHC workshops

- 4th HERA - LHC workshop marks the end of an era:
 - running HERA and before LHC data taking starts
 - end of this era marked by proceedings, which should summarise the state of the art....
- still lot's of HERA data are to come, and even suggestions might come from the proceedings and the discussion concerning further analyses.
- the spirit of the HERA-LHC workshop is good (have now > 180 participants), showing there is still interest in this topic

Should we continue with HERA - LHC workshops, say 1 - 2 years at least until first LHC data are available and most of HERA data are released ?

AOB