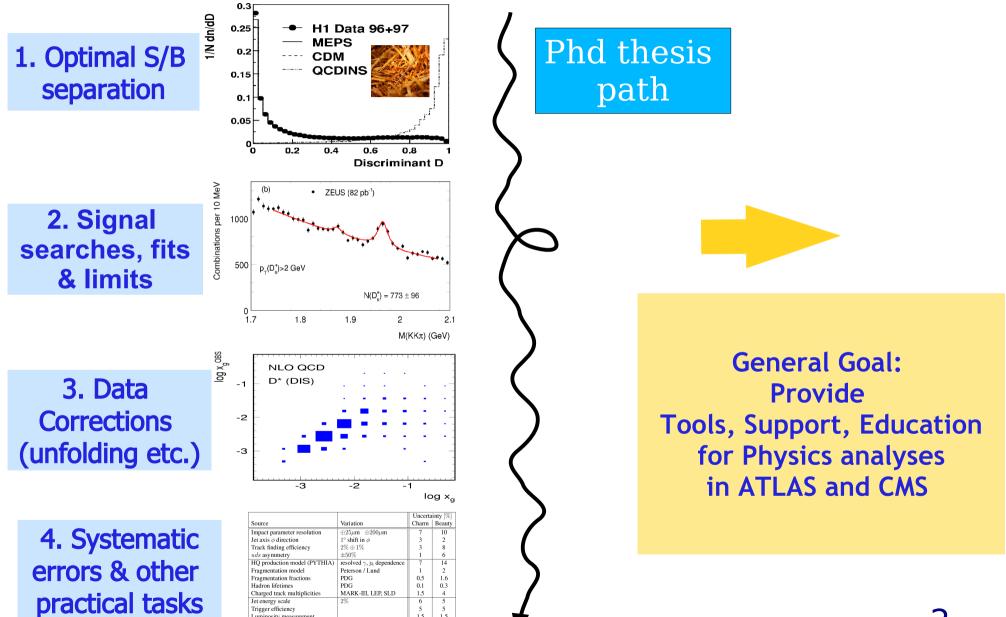
Welcome!

I. Terascale Statistics Tools Miniworkshop

19 june, 2008, DESY

Olaf Behnke, Claus Kleinwort, Stefan Schmitt (all DESY)

Terascale Statistics Tools group: Main areas and goals



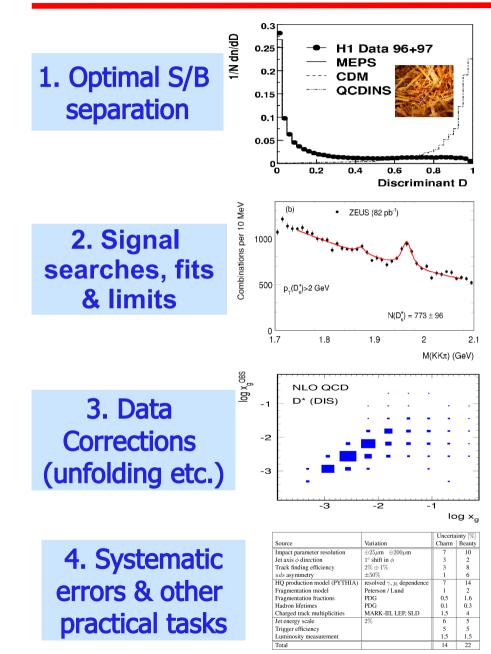
Luminosity measurement

Total

1.5 1.5

14 22

Terascale Statistics Tools: Special expertise @ DESY



 HERA analyses: experiences in multivariate analyses

- V. Blobel fitting package(s)
- HERA analyses: experiences in limit determination
- V. Blobel unfolding package(s)

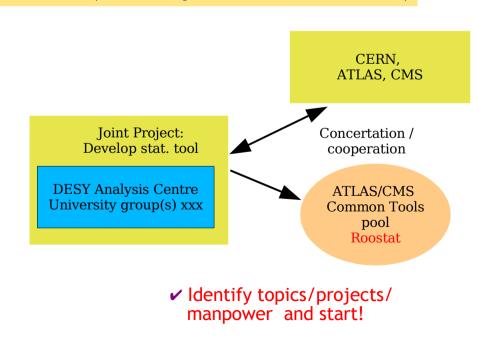
 HERA analyses: Vast experience in practical problems of precision measurements: *from calibrations to PDF uncertainties*

Terascale Statistical Tools project overview

Mission:

- Provide tools/support education for
 - 1. Optimised S/B
 - 2. Signal searches, fits, limits
 - 3. Data corrections (Unfolding)
 - 4. Sys. Errors and other practical stat. problems/tasks in LHC physics analyses

1. Tools (development, validation)



Who:

- ✓ DESY Analysis Centre: C.K, S.S., O.B,
- + further dedicated manpower cross connections to MC and PDF groups
- ✓ HEP groups @ DESY, universities and other institutes in the alliance

2. Support / Help

- Install common platform(s) in analysis centre:
 - Moderated discussion forum for (all kind of) questions
 - Use mediawiki/twiki

3. Education

- ✓ Miniworkshop 19.6.
- ✓ School on stat. Tools 29.9.-2.10.
- Regular seminars, e.g. on how to treat pdf uncertainties

For Today:

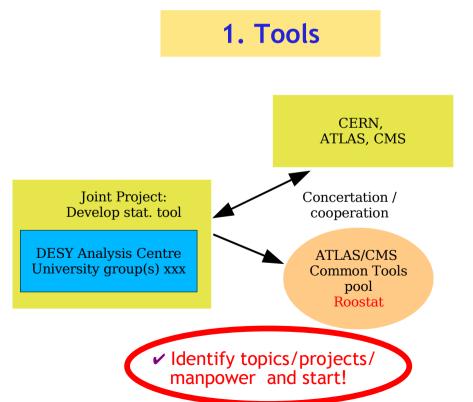
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