

Overview of STAR Software & Computing

In support of Physics Production

Jérôme Lauret, Analysis Meeting, June 2003

Rapid summary of production ...

dAuMinBias	14.5 M
dAuCombined	14.4 M
dAuTOF	2.6 M
UPCCCombined	3.8 M
dAuFPD	1.1 M
ppTrans	2.1 M
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HTonly	0.2 M
zeroBias	0.4 M
testJPsi-3	0.4 M
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	~ 40.0 M events

Almost in parallel of the
run taking, thanks to
many people

Lidia, Gene, David, Jeff ...

Production summary ...

Little bit more in dAuMinBias missed 16.6 M / 14.5 M

In pp, lots more ...

ppRamp	14.9 M
ppFPDTOFu	5.3 M
ppMinBias	8.0 M
ppMixed	1.2 M
ppTrans-1	8.9 M / 2.1 M
ppTune	8.3 M
ppLong-1	7.6 M

But also ...

Hijing

dAu200 minbias year2003	1.30 M	
dAu200 minbias (wideZ) year2003	0.16 M	
dAu200 minbias year2003 (<i>gheisha</i>)	0.4 M	/ 1.2 M [new hijing]

Pythia

pp200 minbias year2003	1.3M	
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Eric, Lidia, Maxim

Sub-systems

- **Calibration runs for the FTPC group**

Data does not come for free (did you know that ??)

Special thanks to

Janet Seyboth & Joern Putschke

Results generating lots of interest and in order ...

EbyE, Spectra & Strangeness, High Pt, Spin

- **Runs for the SVT**

- **ITTF production support**

Rene Bellwied

Other ...

- Embedding work (or re-work)
- dE/dx calibration
- **Space Charge correction (Jim ☺)**
- Work with the TOF (Geometry etc ...)

Olga Baranikova

David, Eric, Yuri, ...

Yuri Fysiak

Gene Van Buren

Frank Geurts

- Simulation : **Maxim & Ron**

New Hijing version, corrected geometry, Geisha vs GCALOR, propagation of new quantities (Ncol, Njet), D0 decays discussions, ...

The end ...

- TPC centric behind us now ...
- Scheduler
- FileCatalog
- rootd deployment
- LSF5
- Grid
- MuDst and IO work (Victor) : StarRoot

All of this in an attempt to increase user's productivity

Computing meeting is at the usual time : Wednesday noon
Three Hypernews lists + 2 new added recently