

Towards 6.1.1...

Cdf Simulation Meeting 20/04/2005

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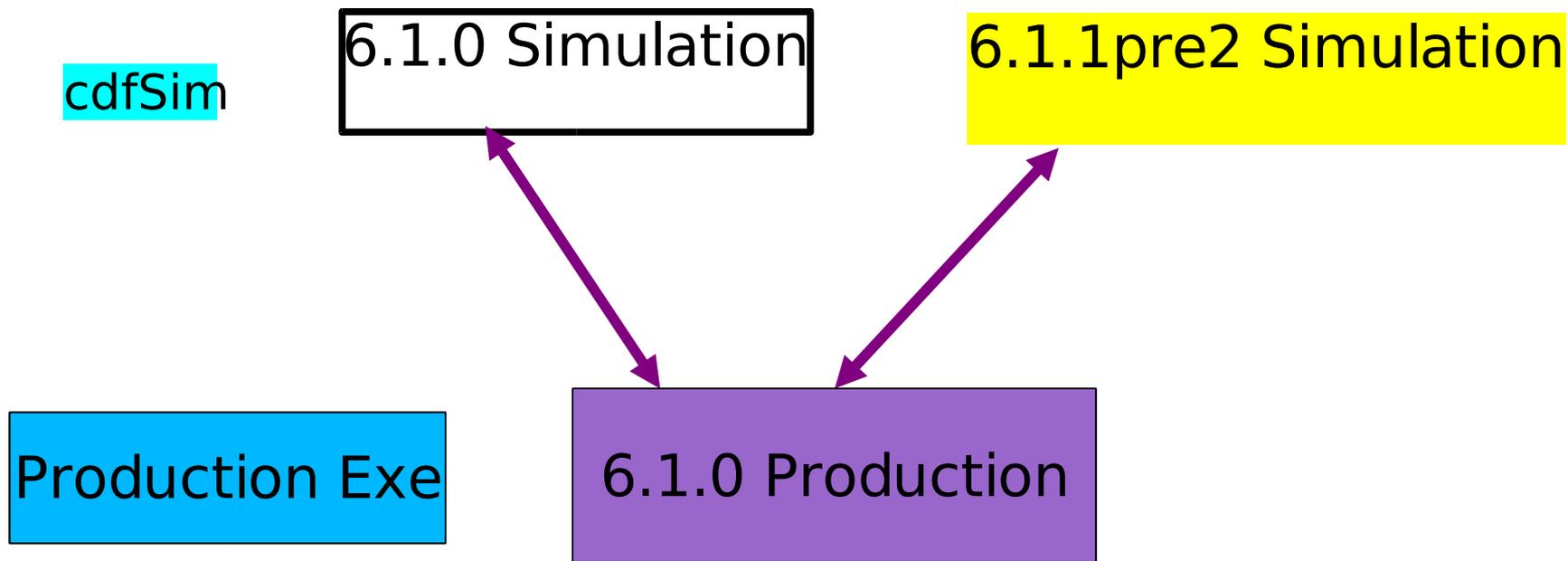
6.1.1pre2 vs 6.1.0 MC Validation

MC Processes

Current list of MC processes from Simulation group

SimulationMods/validation/validation.list

We have run 50k events of each of the 14 MC processes



We start with **exactly** the same random number seeds 2

Results

Web page of reports:

<http://lpnhe-lc.in2p3.fr/sidoti/val.html>

Some graphical and substantial improvements!

In particular **red background** on plot means that $\chi^2/\text{dof} > 3$
between distribution is

Dots : 6.1.0

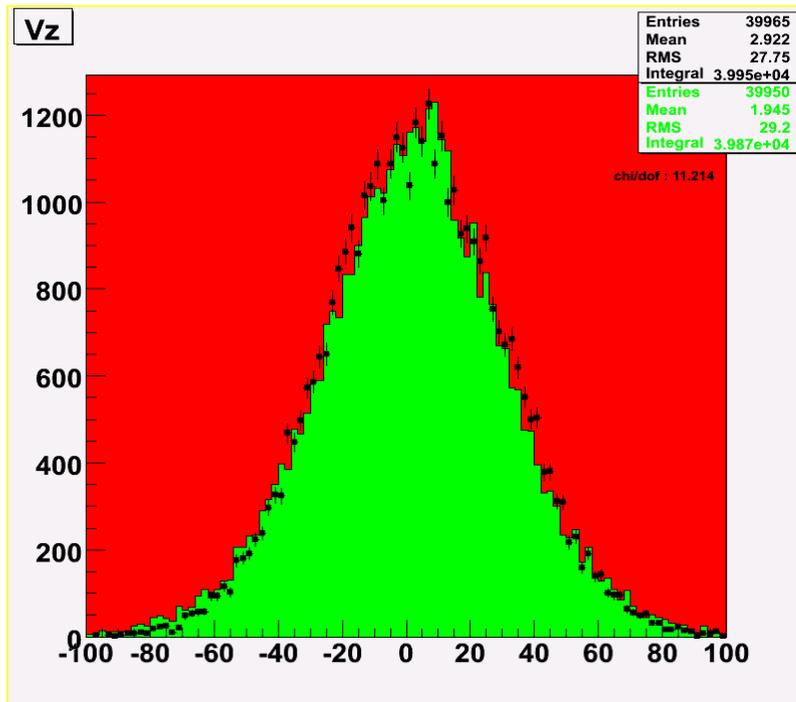
Green histo: 6.1.1pre2

Many crashes and high memory consumption ($\sim 710\text{MB}$)

In particular impossible to run ttbar with EvtGen since problem in the decay table

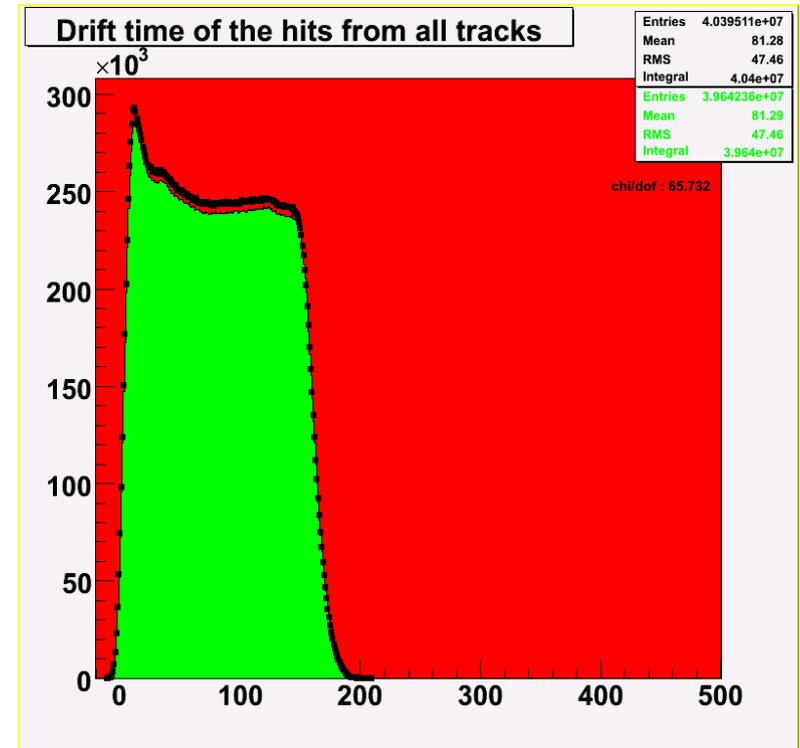
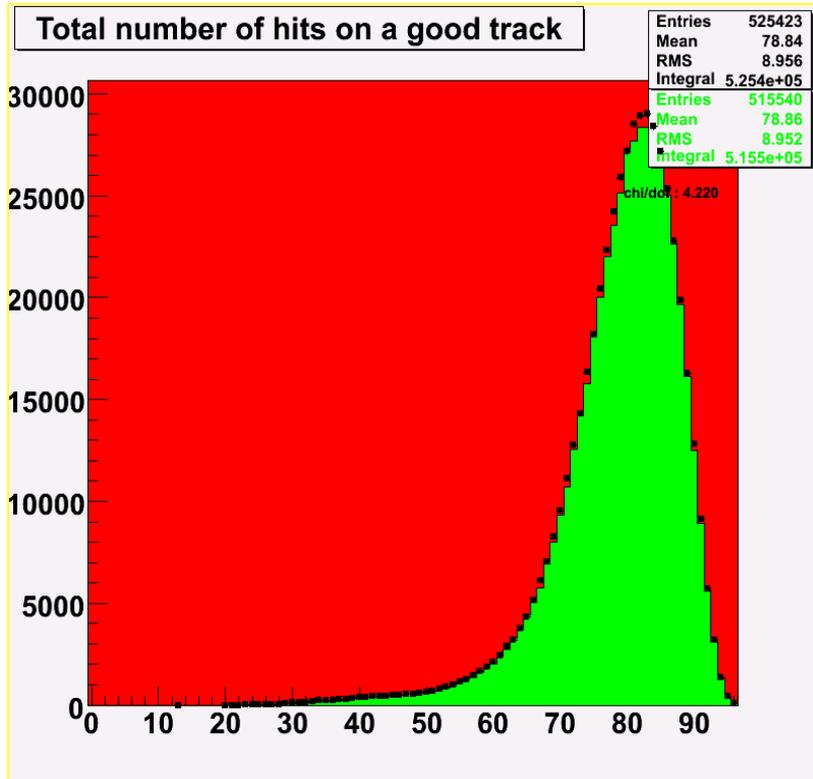
ttbar QQ

One validation module failed (ElectroWeakValidation)
As usual I report the problems. Other plots on the web
pages



Primary Vertex Distribution:
probably caused by non standard
cdfSim_BEAM_BetaStarZVertex

Tracking Issues: COT



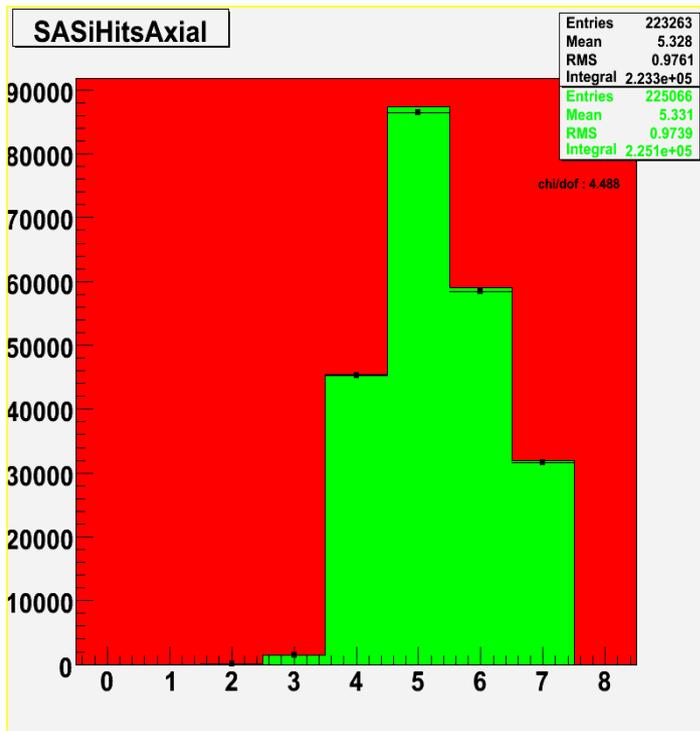
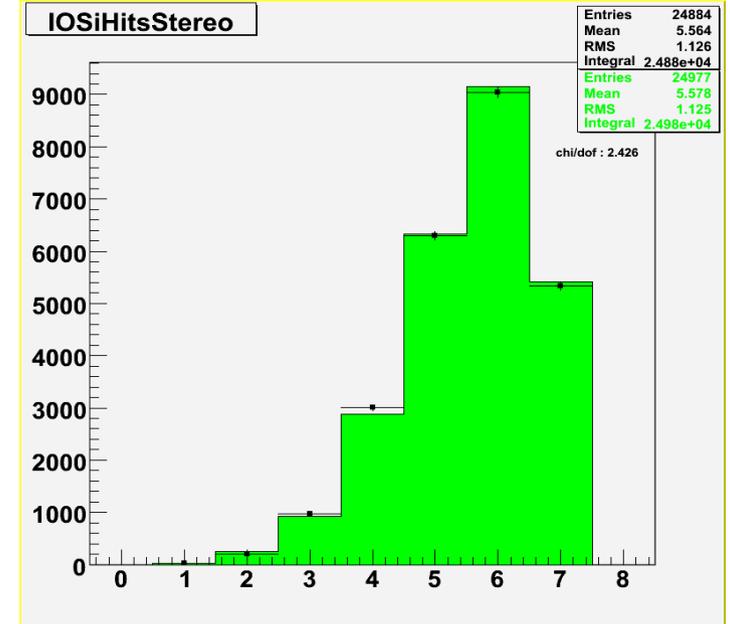
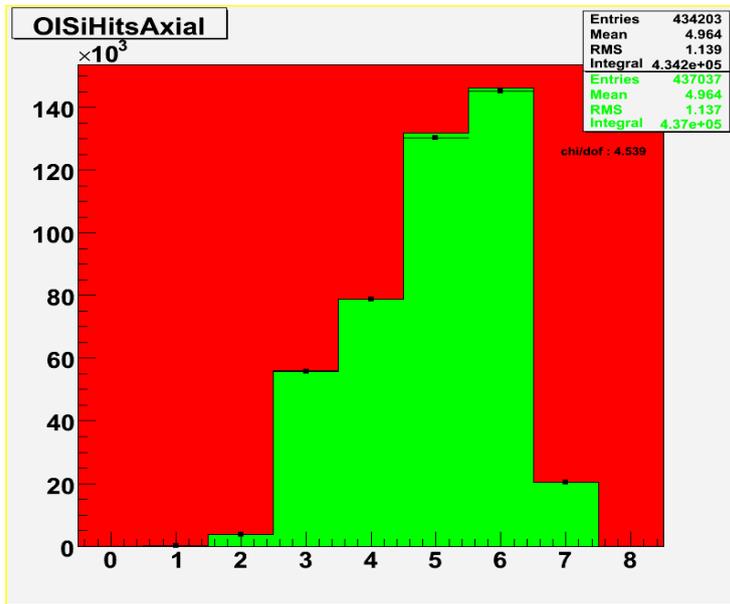
ttbar QQ

etc...

seems more a tracking “efficiency” issue rather than differences in shapes

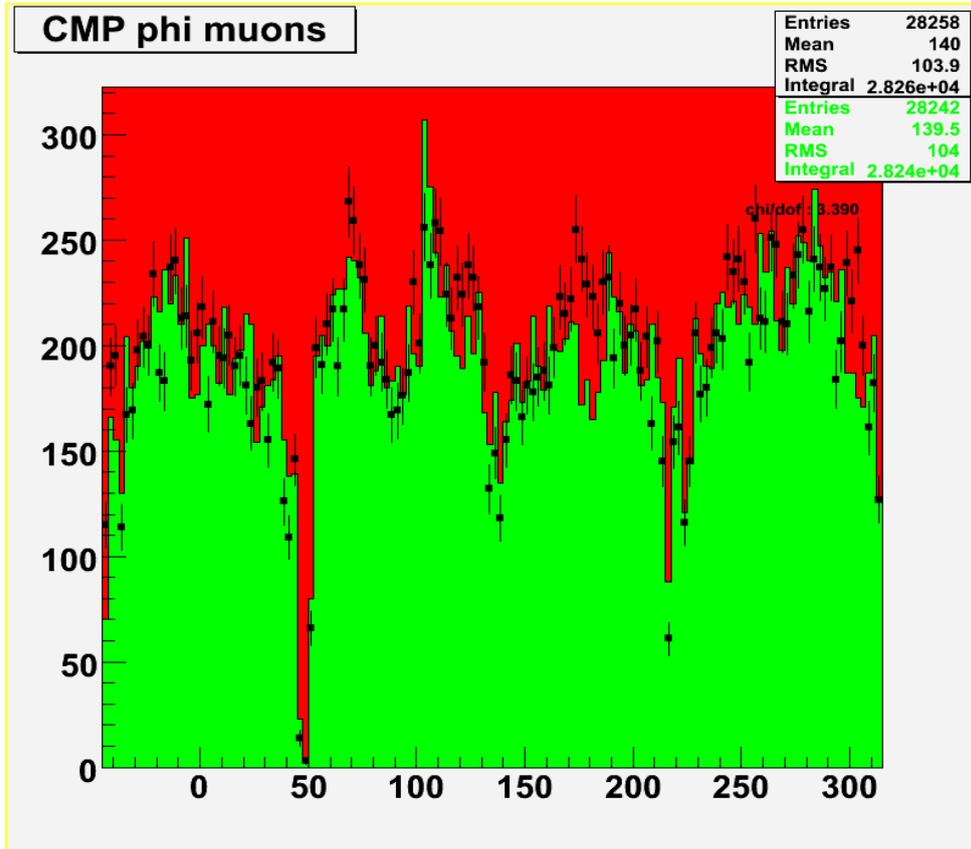
Related to plots on next slides

Tracking Issues: Silicon



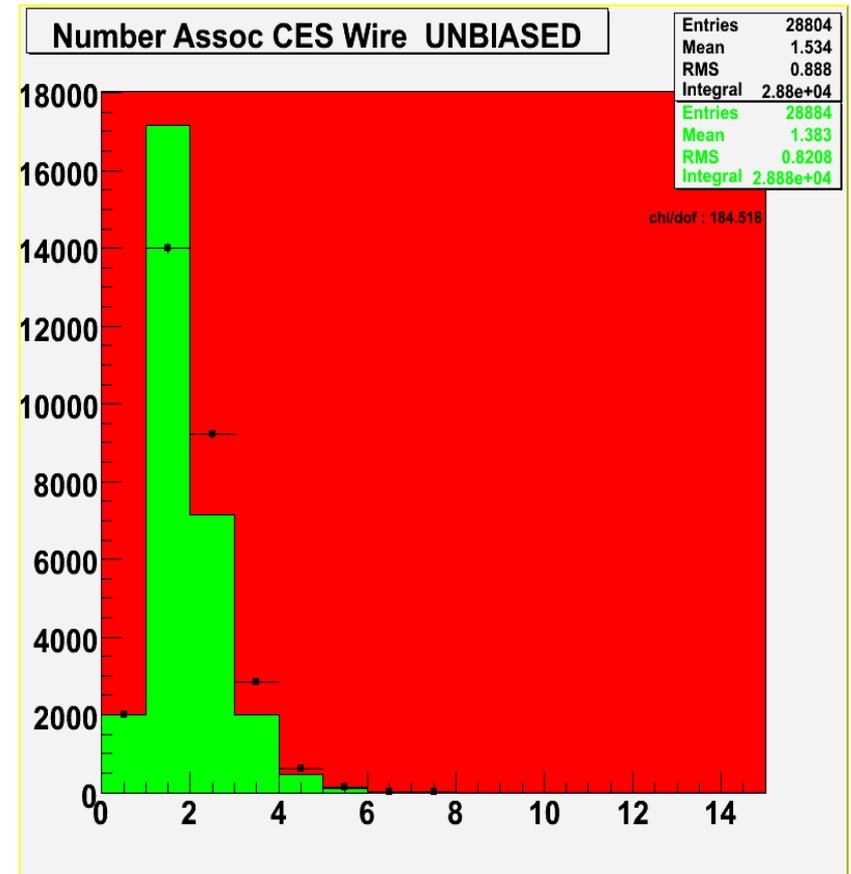
Z->mumu
Increased “efficiency” for Silicon tracks

Muons and Electrons: Issues



Phi of CMP muons

Z->mumu



Number of CES Wire Associated

W->enu

Conclusions

ttbar plots updated since last friday (much better agreement NOW)

Seems to have higher efficiency on Silicon tracks

CES wires associated decreased

TODO:

Check memory leaks

many crashes