

GDS Group
Generator
Project Review

Stephen Mrenna
17 Apr 2007

Generator “deliverables”

Pythia

v_6_4_11

CEDAR/HepForge

Patriot datasets

Generator “services”

Run2 physics program

how to run generators

best parameters or usage

focus on immediate problems

theory consultations

Research

Generator development

Tool validation and tuning

Organization

contact between CDF & D0

contact between Run2 & LHC

contact between Theory & Expt

HepForge > SVN / CVS > CVS - CEDAR - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://hepforge.cedar.ac.uk/hf/vc/cvs/pythia6/?only_with_tag=MAIN

Fermi Linux Fermilab FermiLinux Linux Distros

Fermilab Webmail HepForge > SVN / CVS > CVS ...



CEDAR HEPDATA JETWEB HEPFORGE HEPML

- Home
- About
- Register
- Projects
- SVN / CVS
 - ◊ Subversion
 - ◊ CVS
- Downloads
- Documentation

HepForge version control

[pythia6] Project Root:

Current tag: MAIN
Files shown: 0

File	Rev.	Age	Author	Last log entry
pythia6/				

Show files using tag:

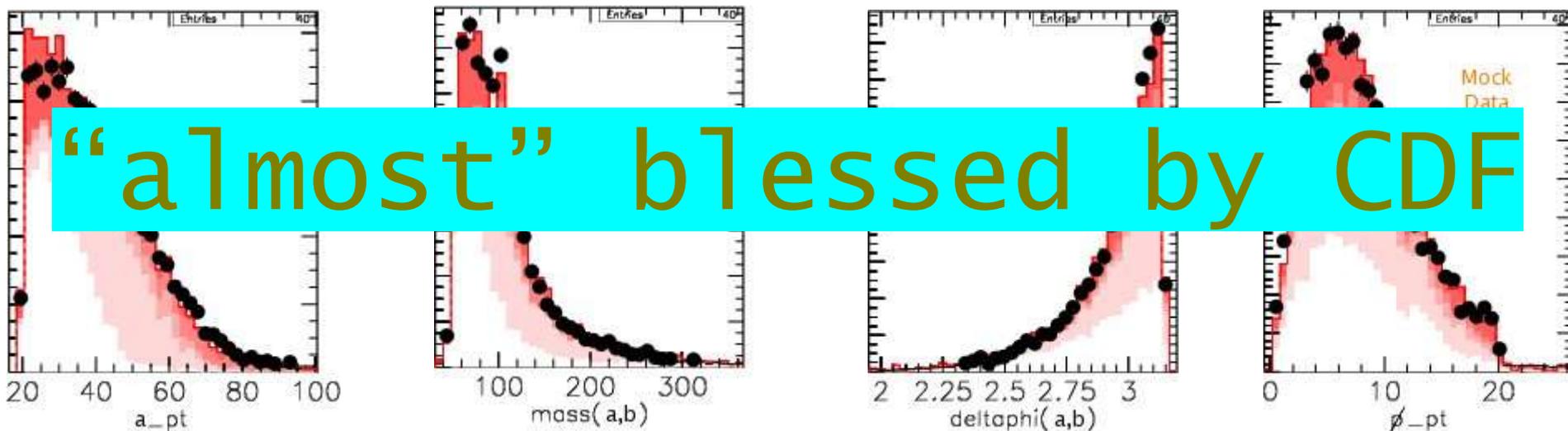
hepforge@cedar.ac.uk
Powered by ViewCVS 1.0-dev



Done

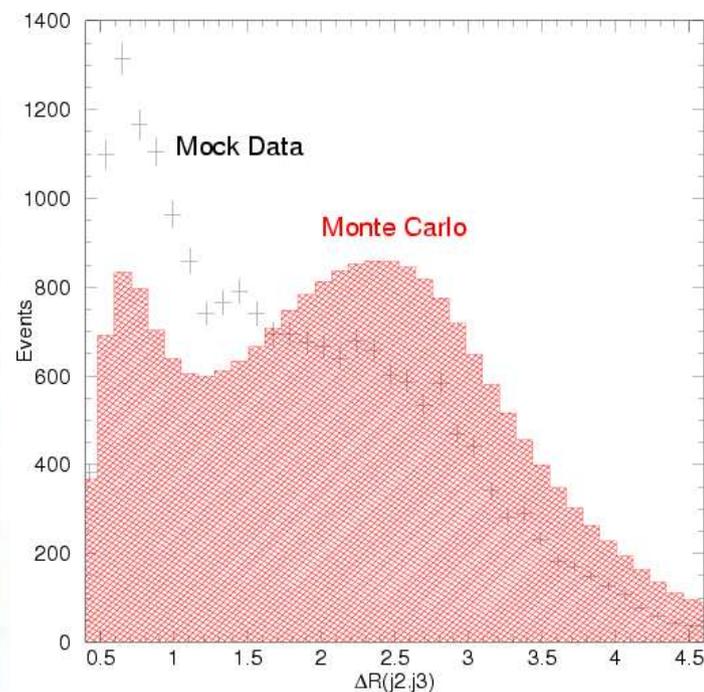
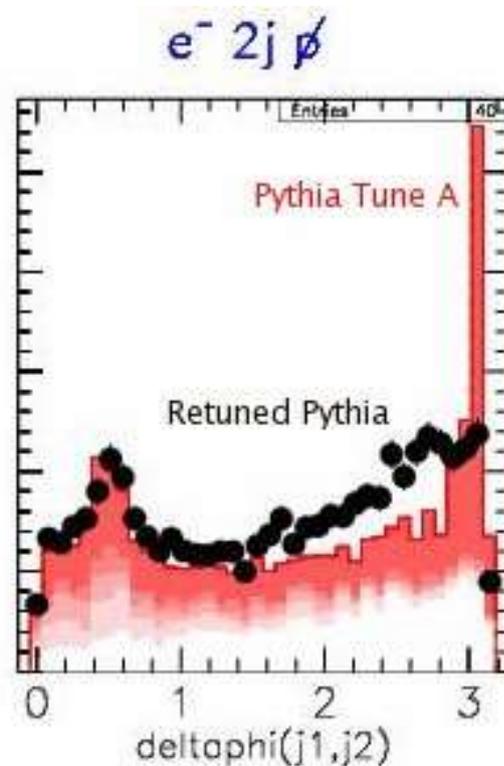
Taking advantage of existing resources to facilitate code management.

Automatic comparison of many distributions:



Monte Carlo issues we identified and addressed first.

How does this fit into early CMS Monte Carlo validation?



Transition to CMS

Discussing role in CMS generators group

- generator “choices” for initial Monte Carlo generation

- mixing the cocktail of Standard Model processes

- testing consistency of different data samples

- plan for tuning and responding to discrepancies

Organizing June visit of generator convenors

- highlight resources available in US and FNAL

I have made several LPC presentations

- Dan Green has encouraged me to formalize my position

Staying with Run2

Increased datasets mean generators are being tested!

- new generator development

- different mixes of the Standard Model cocktail

- testing consistency of different data samples

- actualization of tuning and response to discrepancies

Helping organize CDF “Method2” Workshop

Request to join/advise D0 “W/Z+Jets Task Force”

Aim is to coordinate CDF/D0 efforts for a Fall workshop

Search for a suitable CD-post-doc candidate

Generator projects with outside people

Strengthening FNAL theory contact