Tag&Probe, Configuration file & others

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Comparison



Toturial: configuration file --PYTHON time

http://indico.cern.ch/getFile.py/access?contribId=0&resId=0&materiaIId=slides&confId=37576

the CMS-specific configuration file language The Python coding language

https://twiki.cern.ch/twiki/bin/view/CMS/WorkBookConfigFileIntro

https://twiki.cern.ch/twiki/bin/view/CMS/SWGuideAboutPythonConfigFile

The Python configuration language

Motivation

- Many tools handling configurations are written in Python
- □ In the long run easier maintenance
- More flexibility for the end user, which means for you!
- In coming
- Official transition to new system for CMSSW 2_1_0
- Old config be deprecated

An example

import FWCore.ParameterSet.Config as cms import Foo.Bar.data.somefile

```
process = cms.Process("RECO")
```

process.out = cms.OutputModule("PoolOutputModule", fileName = cms.untracked.string("test2.root"))

#add the contents of Foo.Bar.data.somefile to the process process.extend(Foo.Bar.data.somefile)

```
process.p = cms.Path(process.tracker * process.out)
```

Major CMS Exercises for 2008

- □ CCRC (May)
 - Combined Computing Readiness Challenge (LHC-wide)
 - Functionality and performance tests in February
 - 4 week challenge in May
 - Emphasis for CMS is a stress test of computing operations for data-taking at scale simultaneously with other expts.

□ iCSA08 (May)

- Initial CSA08 activities run simultaneously during CCRC
- CMS offline workflows to demonstrate readiness for LHC data (calibration, skims, express analyses)
 - □ Focus on 1, 10 pb⁻¹ scenarios

□ CRAFT (June)

- Cosmic Run at 4T
 - Emphasis on CMS online and offline workflows to demonstrate readiness for data-taking operations

□ fCSA08 (July)

- Final CSA08: further exercises for LHC collisions, or the real thing!
 - □ Focus on 10, 100 pb⁻¹ scenario

DBS/Data Discovery

- main gateway for physicists to find out data in CMS
- support several search interfaces (Navigator, Finder, Sites, Runs)
- support ORACLE & MySQL back-ends, right now lookup data
- from 16 DBS instances at CERN (14 ORACLE and 2 MySQL)
- used by production and FNAL ROC teams for monitoring
- a few sites in US, Germany, Brazil already use it to lookup local data
- □ support all major browsers (Firefox, Safari, IE)