

Inclusive $b \rightarrow J/\psi X$: FastSimu & dataset

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About forthcoming FastSimu

Weekly Offline Meetings

Mon 24 Nov. 2008 -- Fri 28 Nov. 2008

**Many problems
in HLT validation**

- CMSSW_2_2_0 has been released
 - dedicated to first reprocessing of CRAFT data
 - no AlCaReco RelVals with 220. Validation for CRAFT reprocessing with test samples
- CMSSW_2_2_1 will have wider scope: FastSim production for physics
- CRAFT reprocessing: essentially ready to go, clarifying some harvesting issues

Inclusive b data samples

□ **/BtoJpsiMuMu/Summer08_IDEAL_V9_v1/GEN-SIM-RECO**
 18 Sep 2008, 2,033,294 evts, 266 files, 4 blocks, 442.5GB, 2 sites
 T2_US_Purdue : dcache.rcac.purdue.edu 2,033,294 442.5GB
 T1_DE_FZK : gridka-dCache.fzk.de 2,033,294 442.5GB

□ **/JPsi/Summer08_IDEAL_V2_JPsi_v1/RECO**
 14 Jul 2008, 1,413,803 evts, 686 files, 7 blocks, 1.4TB, 2 site
 NO NAME : cmsdca2.fnal.gov
 T1_DE_FZK : gridka-dCache.fzk.de 1,413,803 1.4TB

□ **/JPsi/Summer08_IDEAL_V6_v1/GEN-SIM-RAW**
 20 Aug 2008 , 570036 evts, 338 files, 6 block(s), 345.5GB, 4 sites

□ **/MuonPT5/CSA08_CSA08_S156_v1/GEN-SIM-RECO**
 26 May 2008, 10,398,576 events, 5006 files, 147 blocks, 6.8TB, 3 sites
 T1_FR_CCIN2P3 : ccsm.in2p3.fr 10,398,576 6.8TB
 srm.cern.ch 2,188,430 1.4TB
 T2_ES_CIEMAT : srm.ciemat.es 10,398,576 6.8TB

□ **/InclusivePPmuX/Summer08_IDEAL_V9_v4/GEN-SIM-RECO**
 17 Nov 2008, 4,614,651 events, 1160 files, 29 block(s), 1.3TB, 1 site
 T1_ES_PIC : srmcms.pic.es 4,614,651 1.3TB
 k0L, pi, k decay

□ **/ppMuX/Summer08_STARTUP_V5_v1/GEN-SIM-RAW**
 16 Aug 2008, 2,256,949 events, 1239 files, 14 block(s), 1.8TB, 4 sites



CMSSW_2_1_8

Re-production

CMSSW_2_0_9

Ok for use but
waiting for v218

CMSSW_2_1_2

CMSSW_2_1_7

CMSSW_2_1_8

CMSSW_2_1_2

QCD

QCD samples

InclusiveppMuX_10TeV

```
processParameters = cms.vstring('MSEL=1
! User defined processes',
'MSTJ(22)=4 ! Decay particles in a cylinder',
'PARJ(73)=1500. ! max. radius forMSTJ(22)=4',
'PARJ(74)=3000. ! max. Z for MSTJ(22)=4',
'MDCY(C130,1)=1 ! decay k0-longs',
'MDCY(C211,1)=1 ! decay pions',
'MDCY(C321,1)=1 ! decay kaons'),
.....
process.mugenfilter =
cms.EDFilter("MCSmartSingleParticleFilter",
MaxDecayRadius =
cms.untracked.vdouble(1500.0, 1500.0),
Status = cms.untracked.vint32(1, 1),
MinPt = cms.untracked.vdouble(2.5, 2.5),
ParticleID = cms.untracked.vint32(13, -13),
MaxEta = cms.untracked.vdouble(2.5, 2.5),
MinEta = cms.untracked.vdouble(-2.5, -2.5),
MaxDecayZ = cms.untracked.vdouble(3000.0,
3000.0), 107 MinDecayZ =
cms.untracked.vdouble(-3000.0, -3000.0)
)
```

ppMuX_10TeV

```
processParameters = cms.vstring('MSEL=0
! User defined processes',
'MSUB(11)=1 ! Min bias process',
'MSUB(12)=1 ! Min bias process',
'MSUB(13)=1 ! Min bias process',
'MSUB(28)=1 ! Min bias process',
'MSUB(53)=1 ! Min bias process',
'MSUB(68)=1 ! Min bias process',
'MSUB(95)=1 ! Min bias process'),
.....
process.mugenfilter =
cms.EDFilter("MCSingleParticleFilter",
MaxEta = cms.untracked.vdouble(2.5, 2.5),
MinEta = cms.untracked.vdouble(-2.5, -2.5),
MinPt = cms.untracked.vdouble(2.5, 2.5),
ParticleID = cms.untracked.vint32(13, -13)
)
```