

Cosmics in collision

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Data Sets



Data sets:

/Cosmics/Run2010A-TkAlCosmics0T-v4/ALCARECO

/Cosmics/Run2010B-TkAlCosmics0T-v4/ALCARECO

Selection criteria:

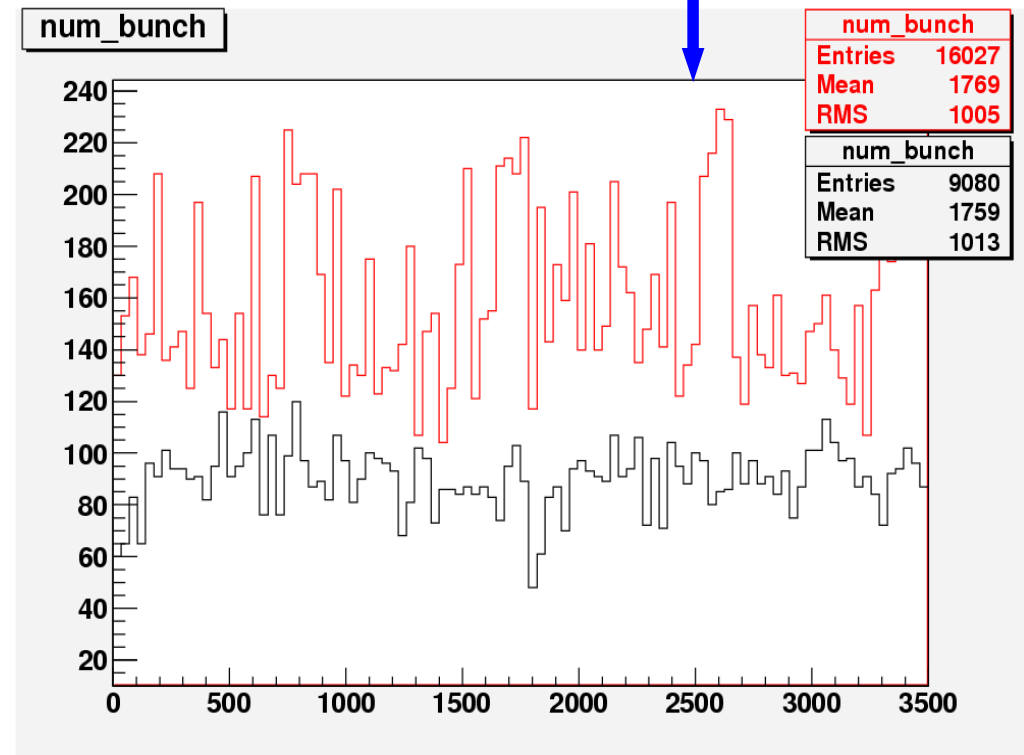
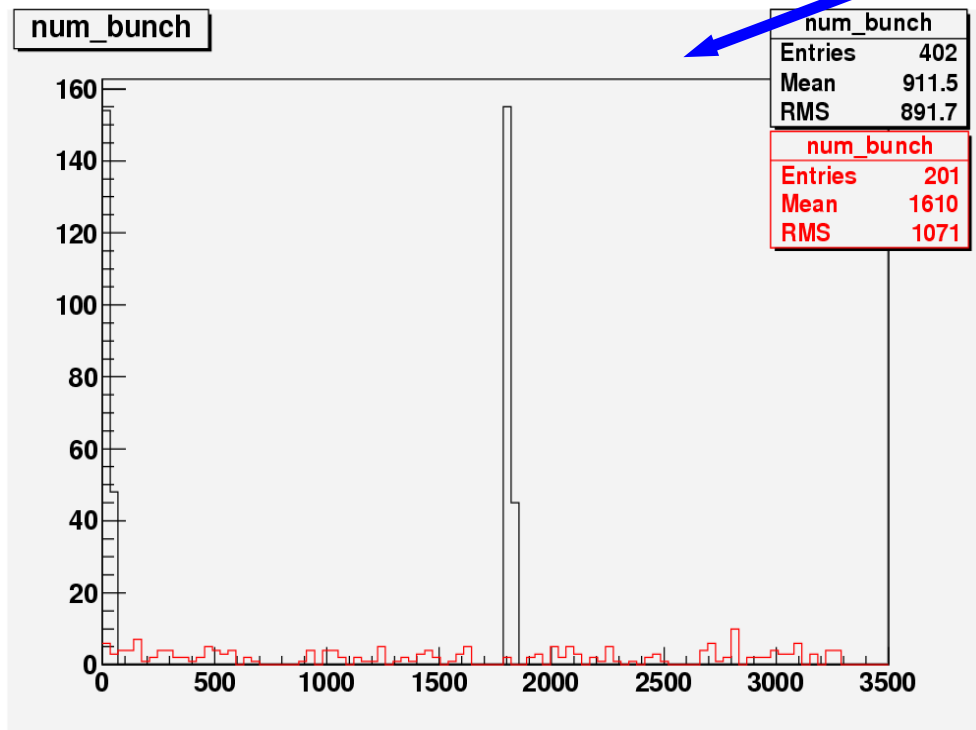
```
pMin = cms.double(4.),  
nHitMin = cms.double(8.),  
nHitMin2D = cms.int32(1),  
chi2nMax = cms.double(9999.),  
applyMultiplicityFilter = cms.bool(False),  
maxMultiplicity = cms.int32(1),  
applyNHighestPt = cms.bool(False),  
nHighestPt = cms.int32(1),  
seedOnlyFrom = cms.int32(0),  
applyIsolationCut = cms.bool(False),  
minHitIsolation = cms.double(0.8),  
applyChargeCheck = cms.bool(False), # since no S/Ncut is applied  
minHitChargeStrip = cms.int32(50),
```



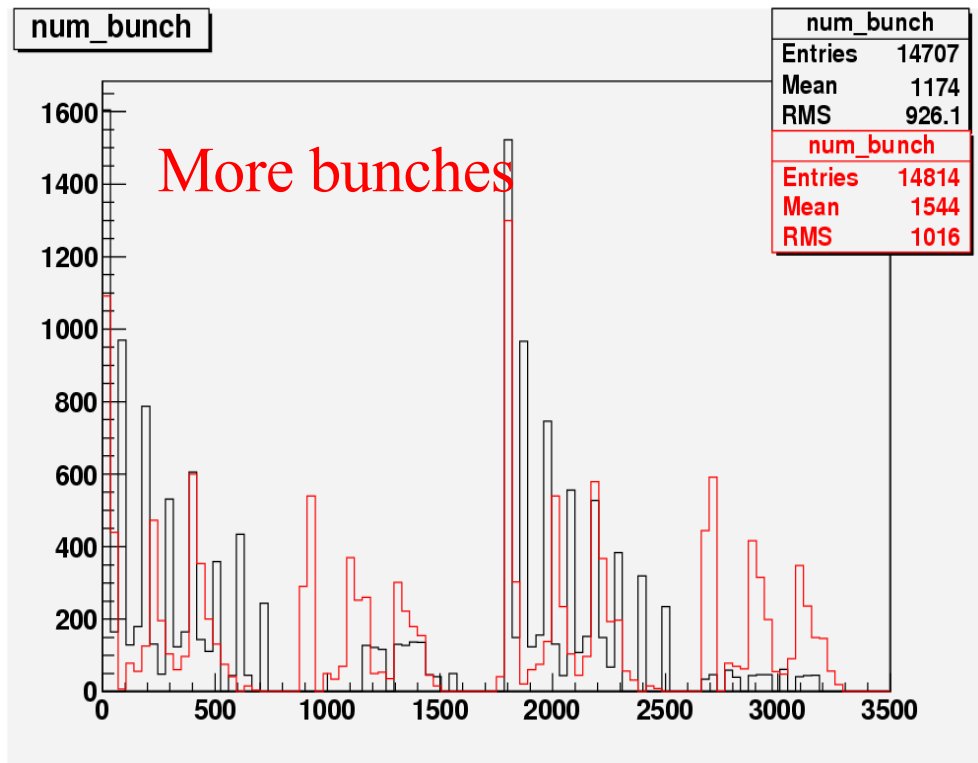
Bunches



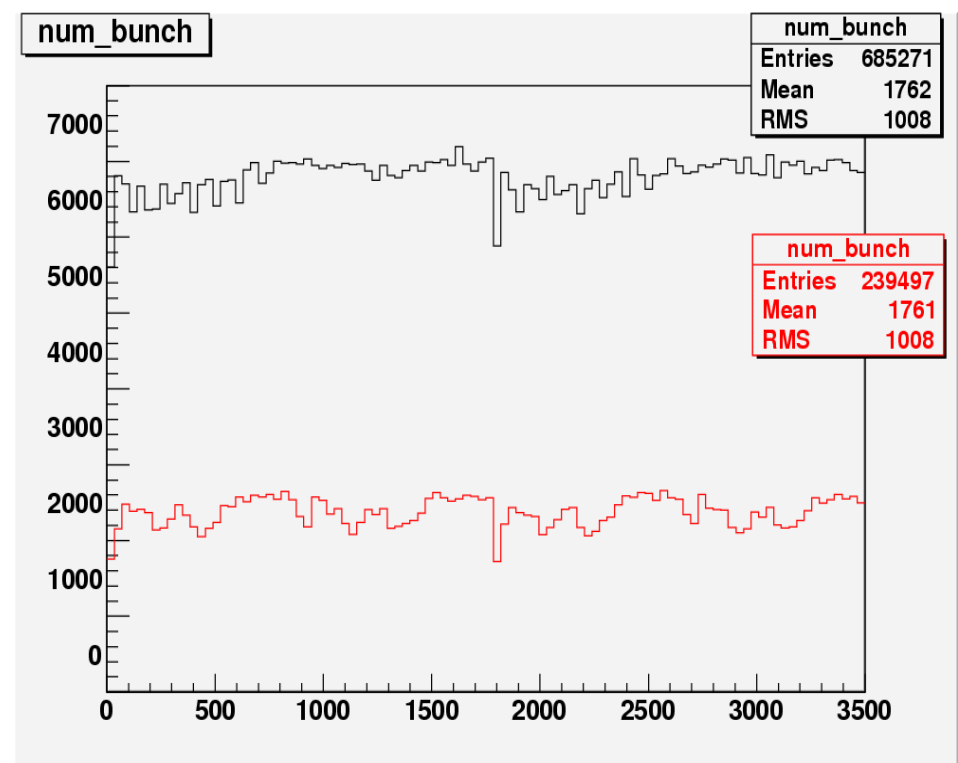
date	Colliding bunches	Collision (bit 0)	Collision and no Cosm	Cosmic (bit 25)	Cosmic and no Coll
22 nd Sept	16	413	402	9091	9080
4 th October	186	215	167	3705	3657
25 th October	348	563	201	16389	16027



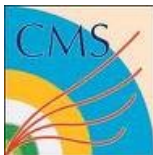
Collision



Cosmics



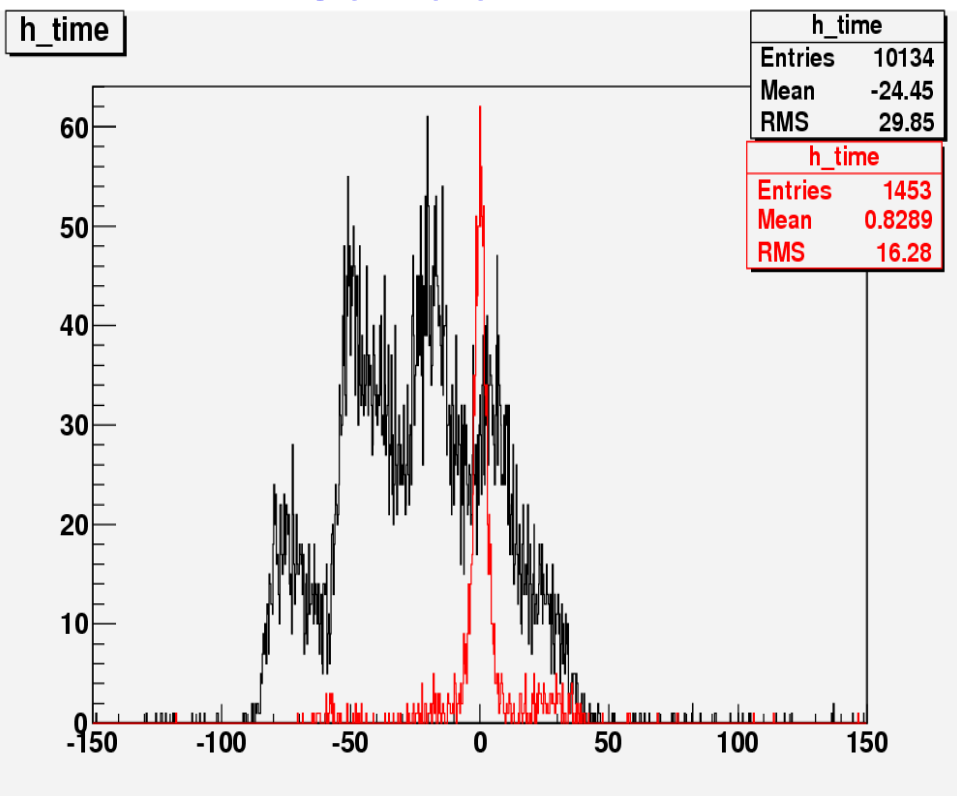
More bunches – Run2010B
Less bunches – Run2010A



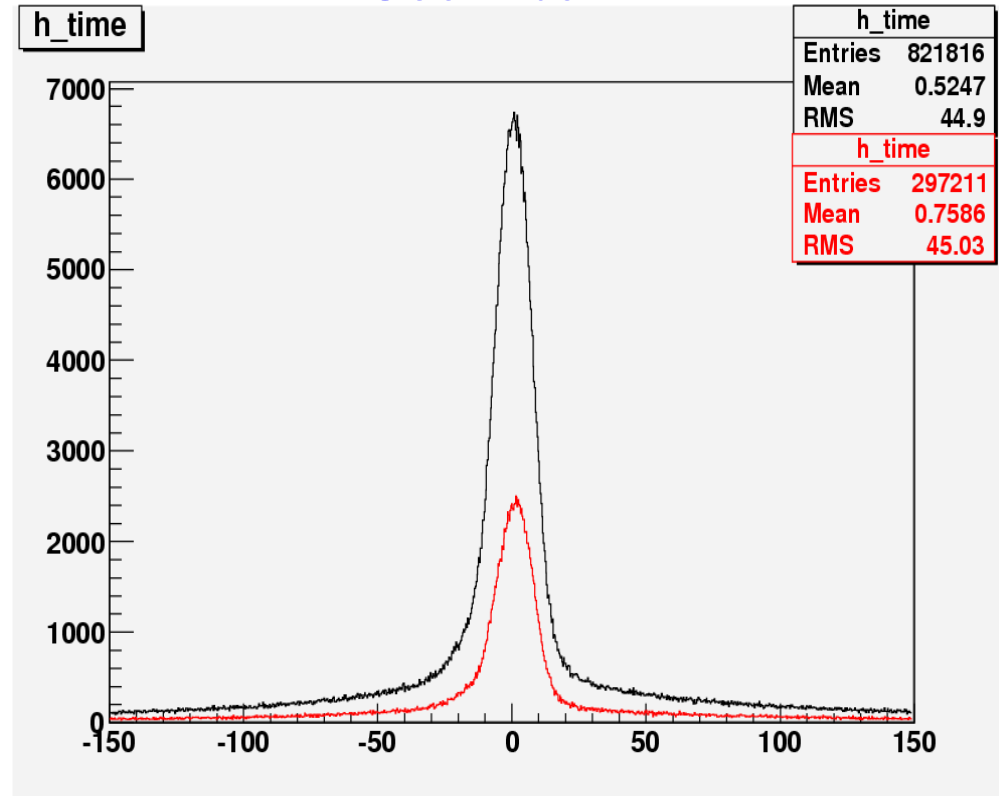
Timing



Collision



Cosmics



More bunches – Run2010B
Less bunches – Run2010A



Backup plots





Control plots

