

# HLT Timing Summary <sup>1</sup>

Main Info + HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7 info

CMS Experiment

September 24, 2013

<sup>1</sup>Documentation at <https://twiki.cern.ch/twiki/bin/view/CMS/SWGuideHLTTimingSummary>

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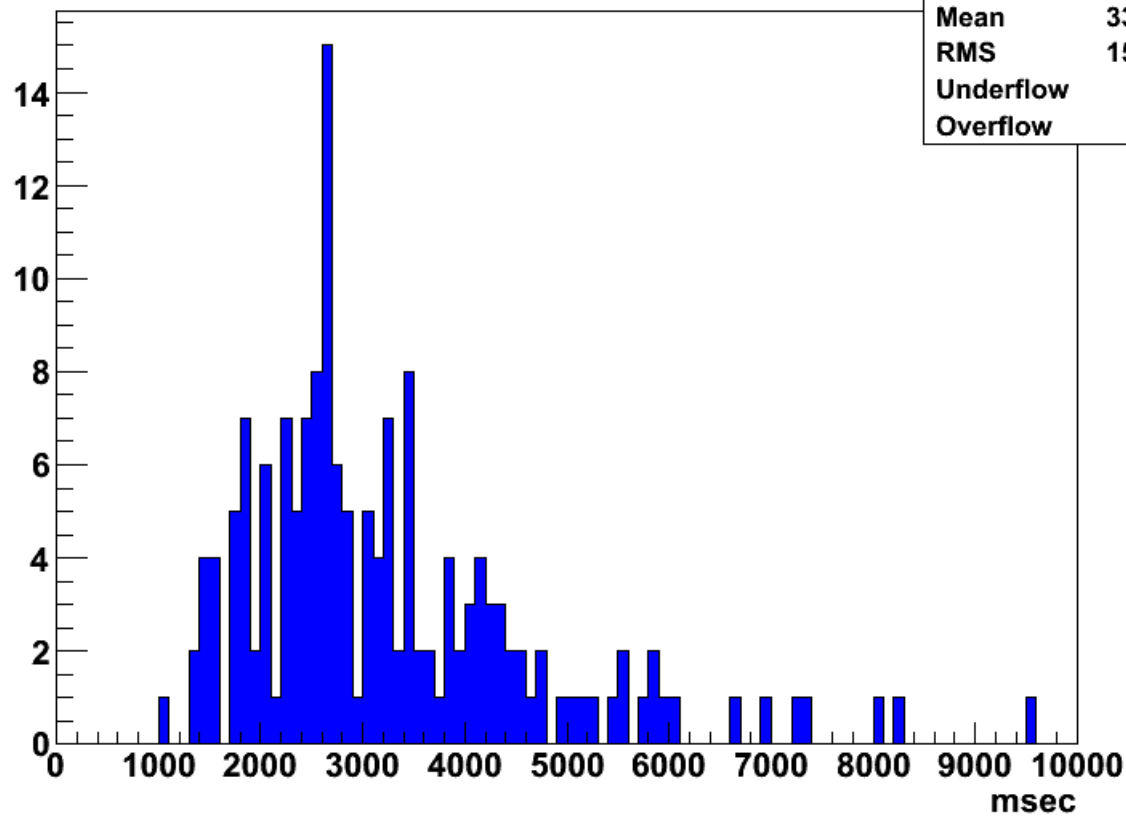
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**Chapter 1**

**Main Info**

## 1.1 Total time for all modules per event

**Total time for all modules per event**

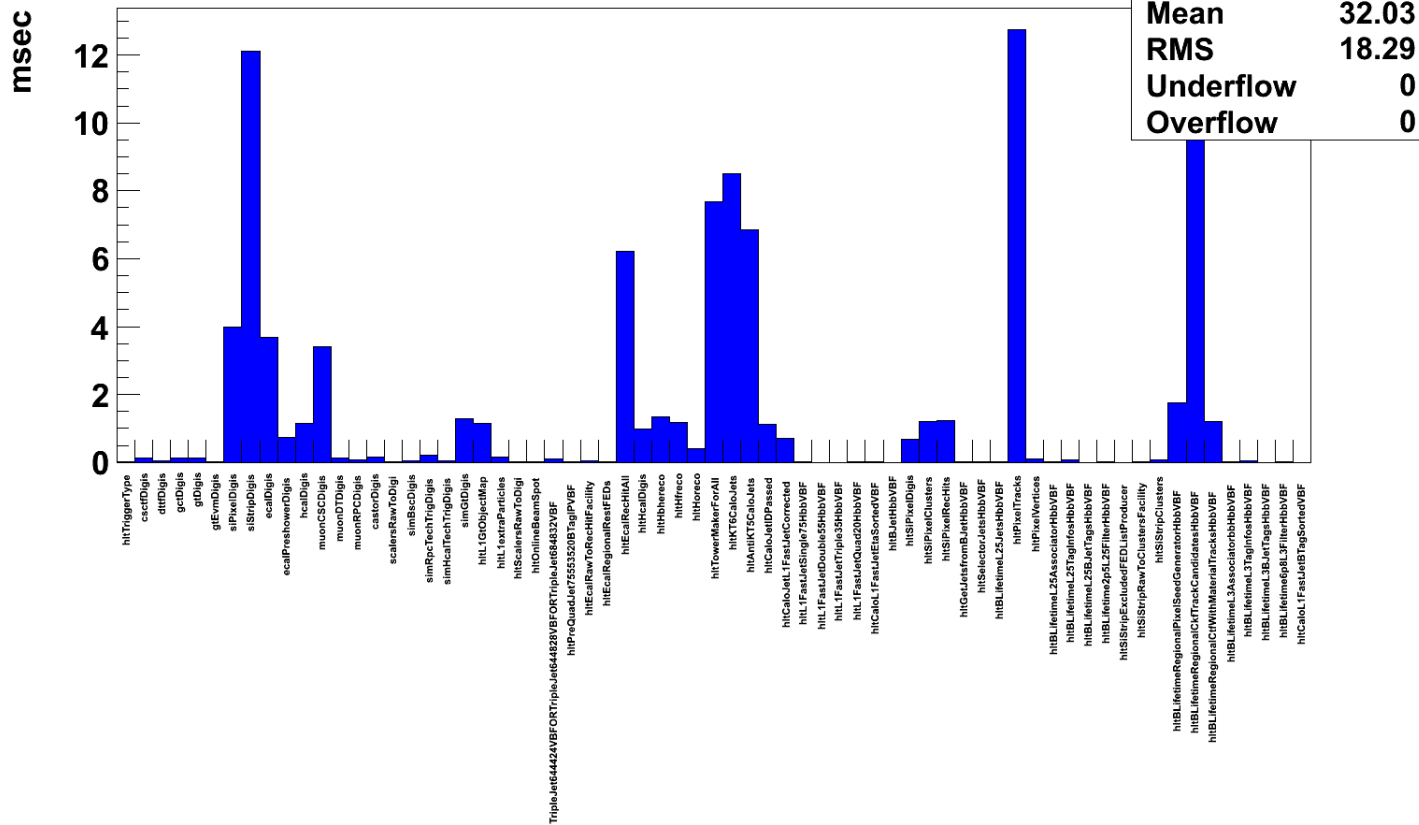


## Chapter 2

**HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7**  
**Info**

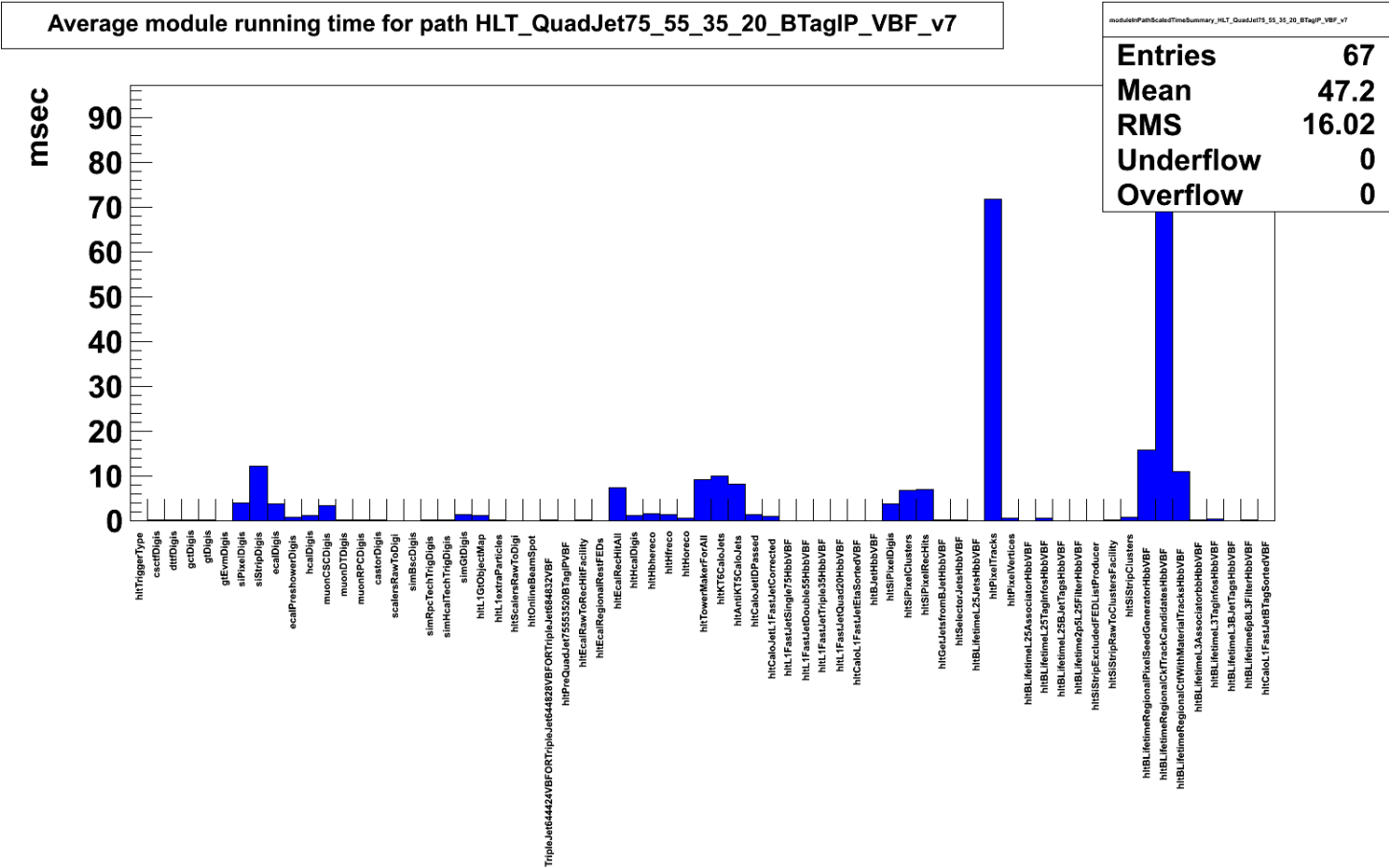
## 2.1 Average module in HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7 time

**Average module time for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7**



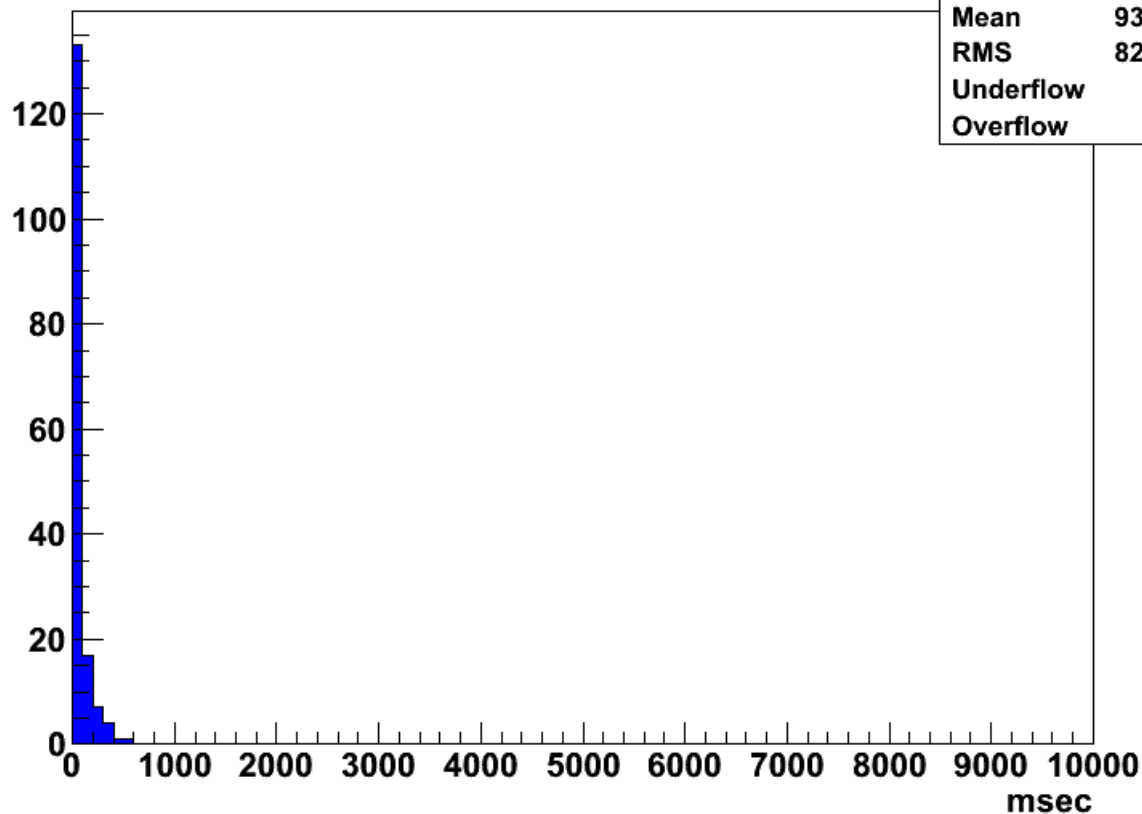


## 2.2 Average module in HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7 running time



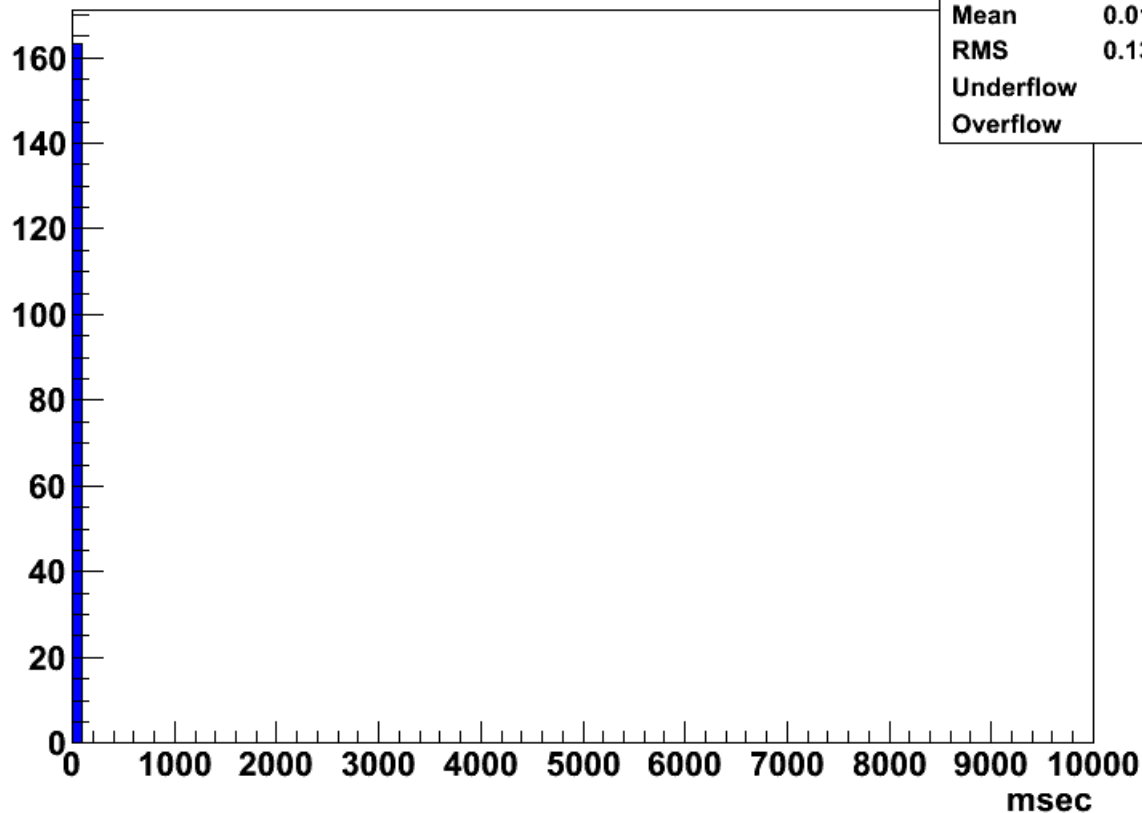
## 2.3 Per event time for HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7

Per event time for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7



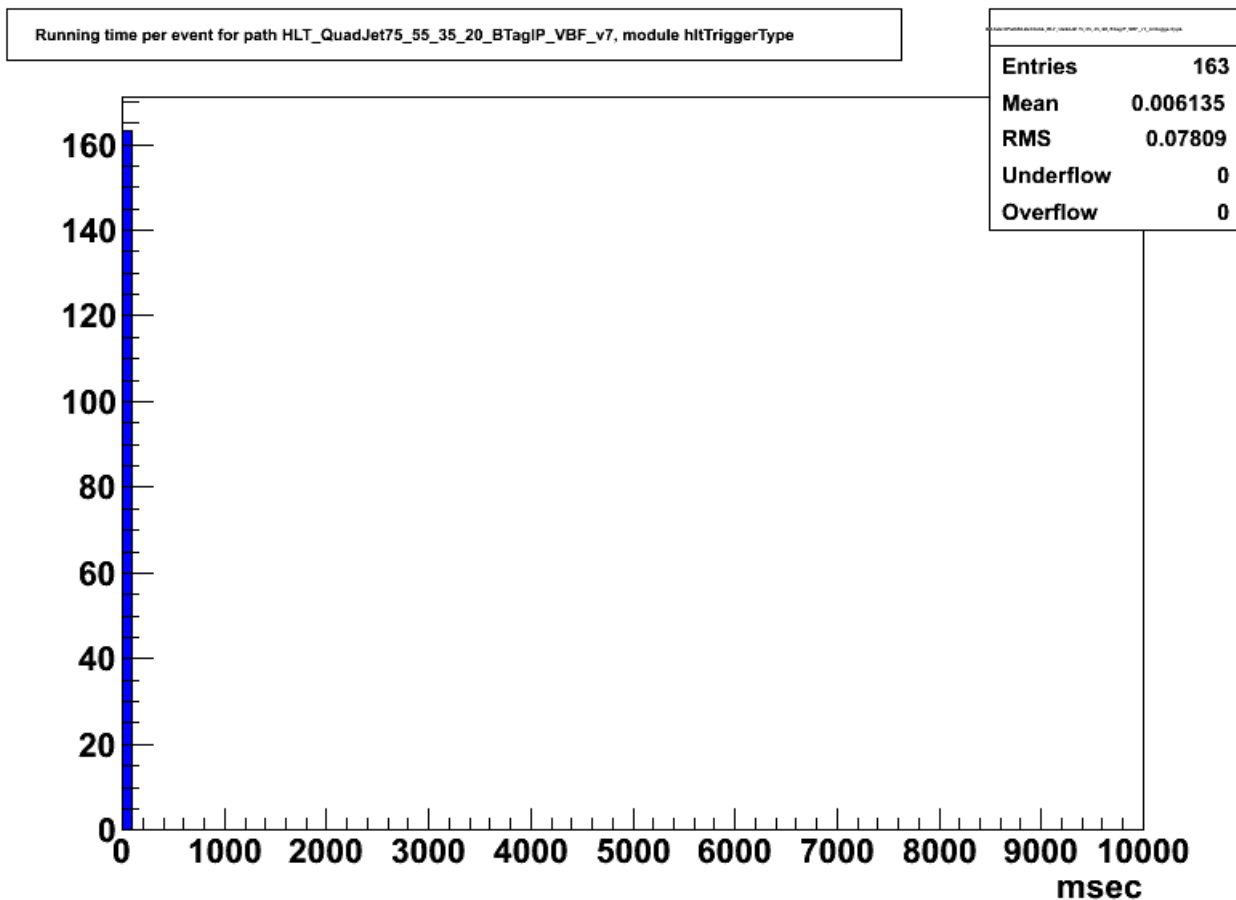
## 2.4 Per event incremental time for HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7

Per event incremental time for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7



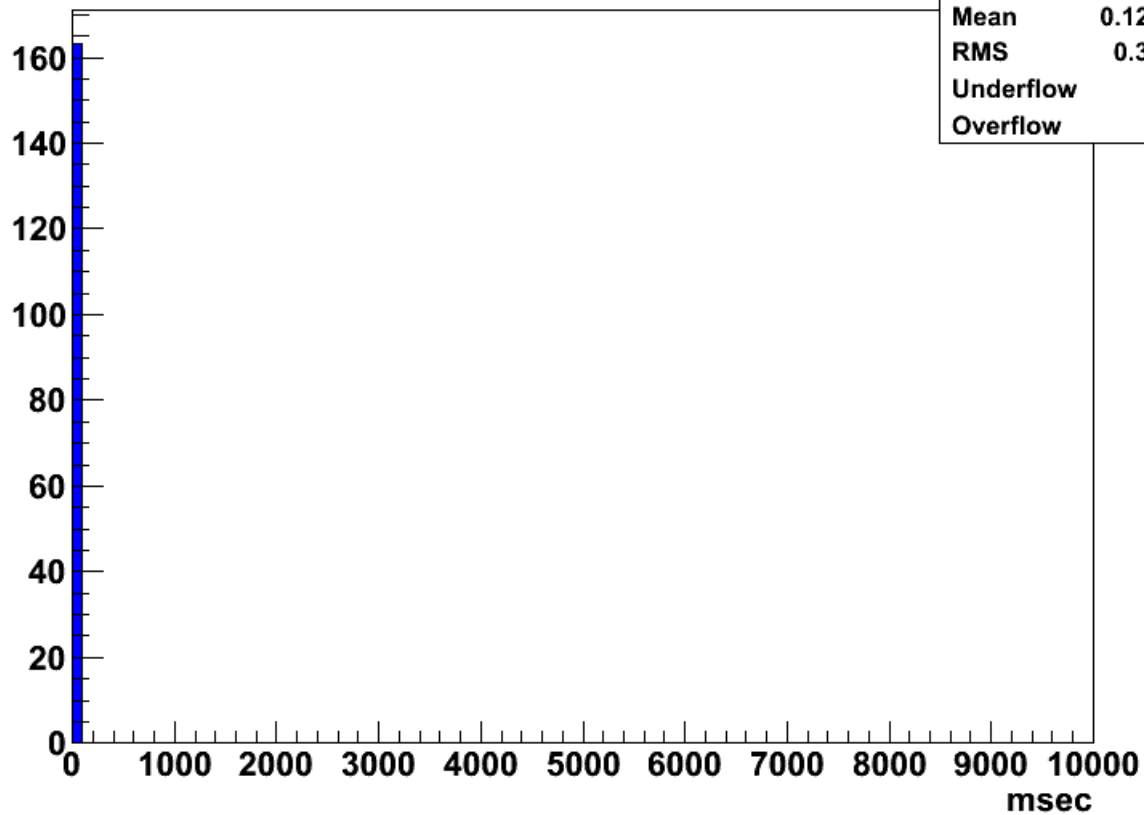
## 2.5 Running time per event for HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7

### 2.5.1 hltTriggerType



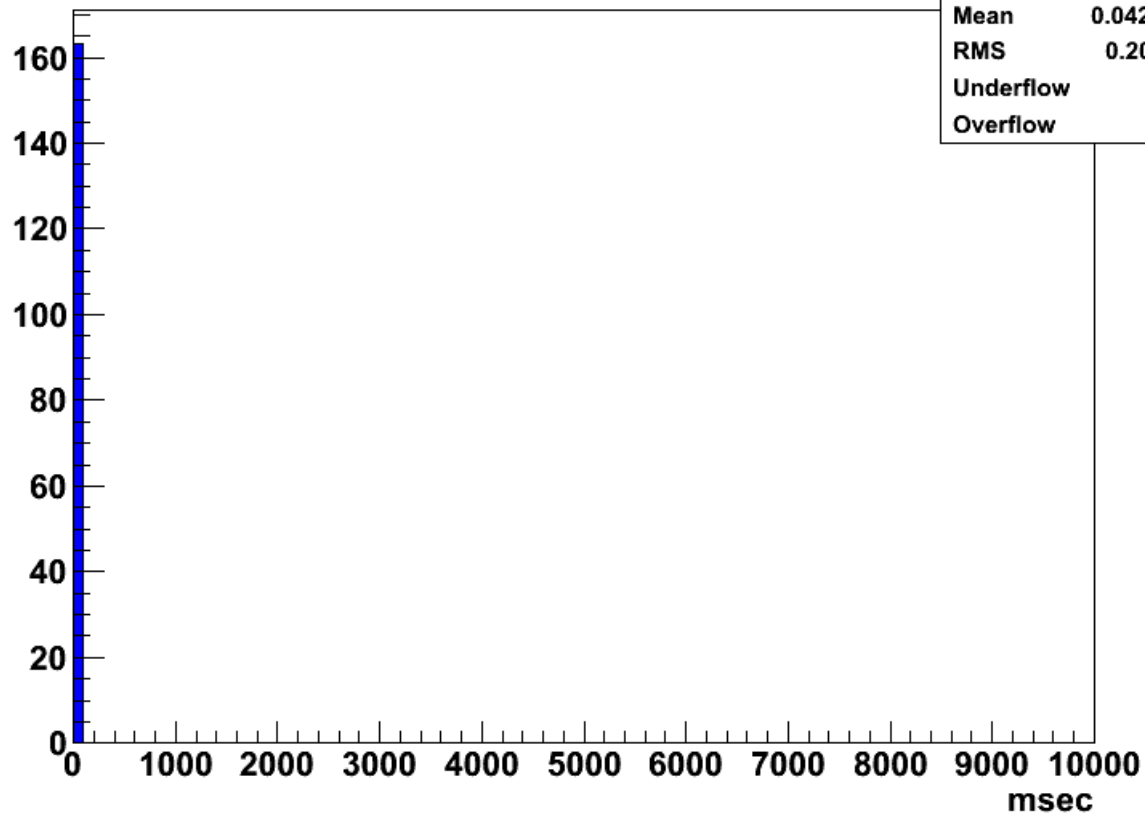
## 2.5.2 csctfDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module csctfDigis



### 2.5.3 dttfDigis

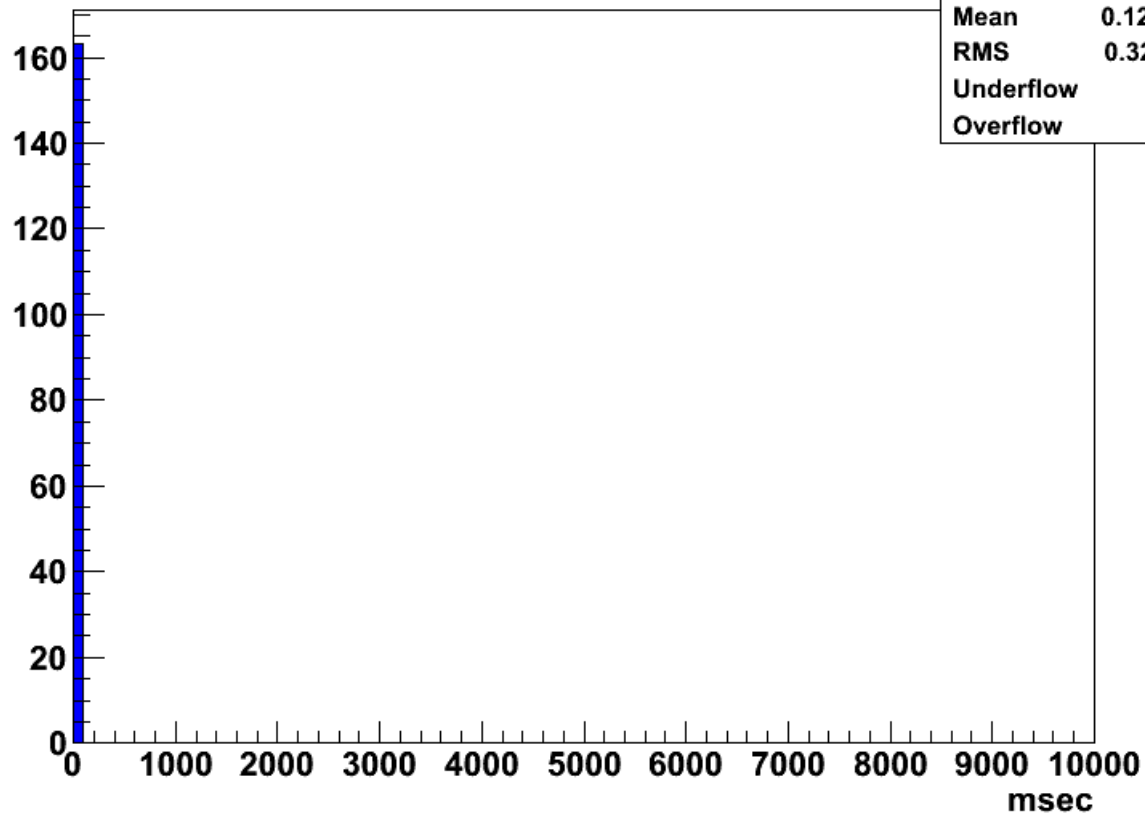
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module dttfDigis



module#dttfDigis, Path: HLT_QuadJet75_55_35_20_BTagIP_VBF_v7, dttfDigis	
<b>Entries</b>	<b>163</b>
<b>Mean</b>	<b>0.04294</b>
<b>RMS</b>	<b>0.2027</b>
<b>Underflow</b>	<b>0</b>
<b>Overflow</b>	<b>0</b>

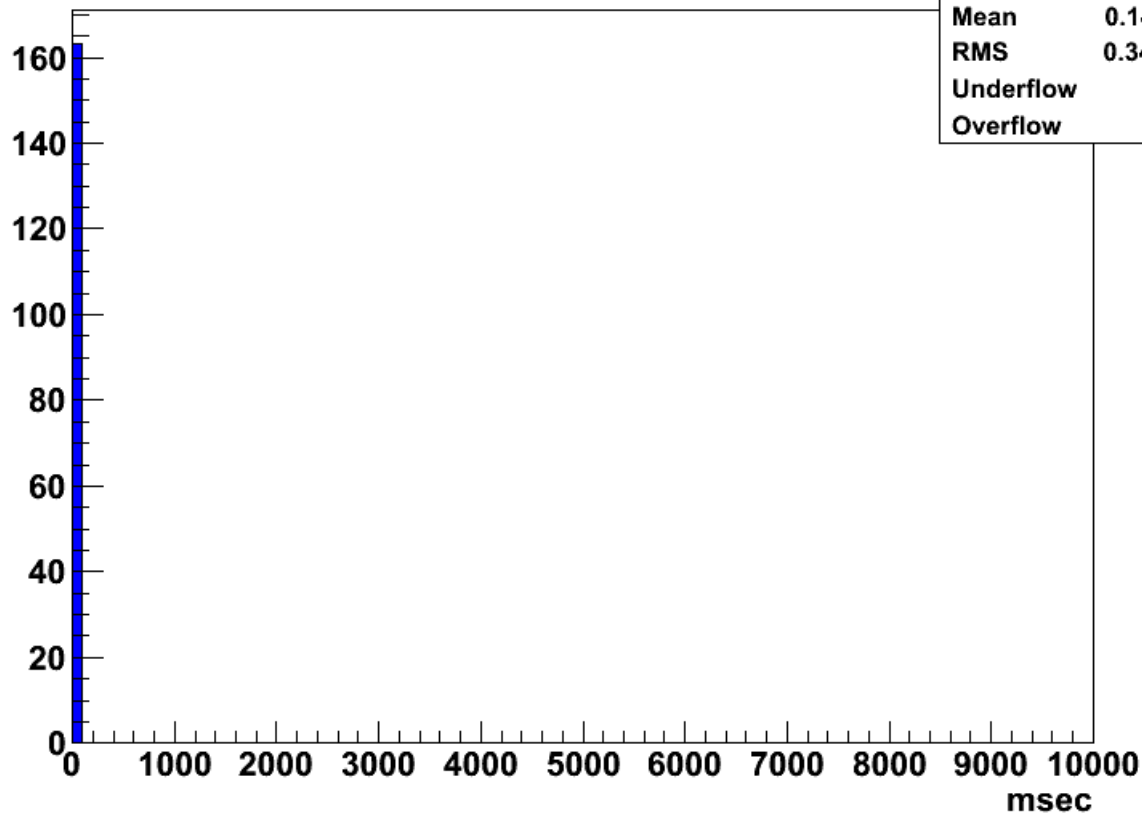
## 2.5.4 gctDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module gctDigis



## 2.5.5 gtDigis

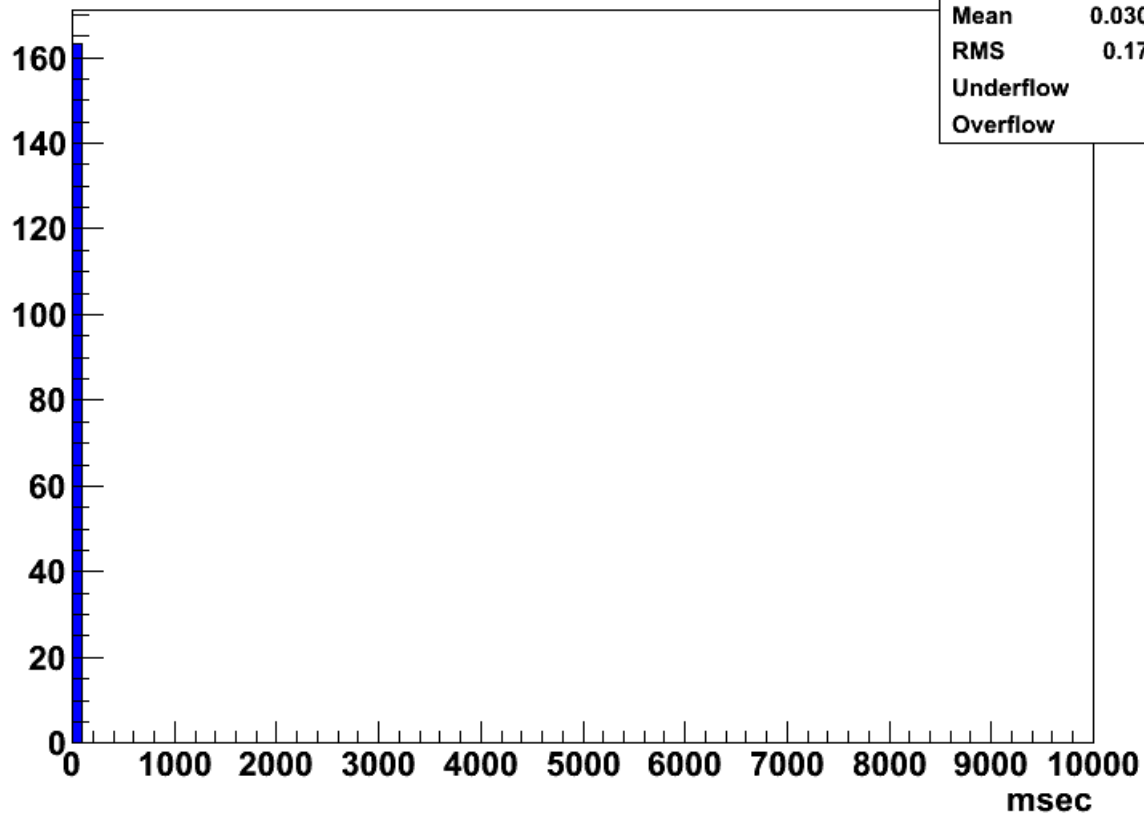
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module gtDigis





## 2.5.6 gtEvmDigis

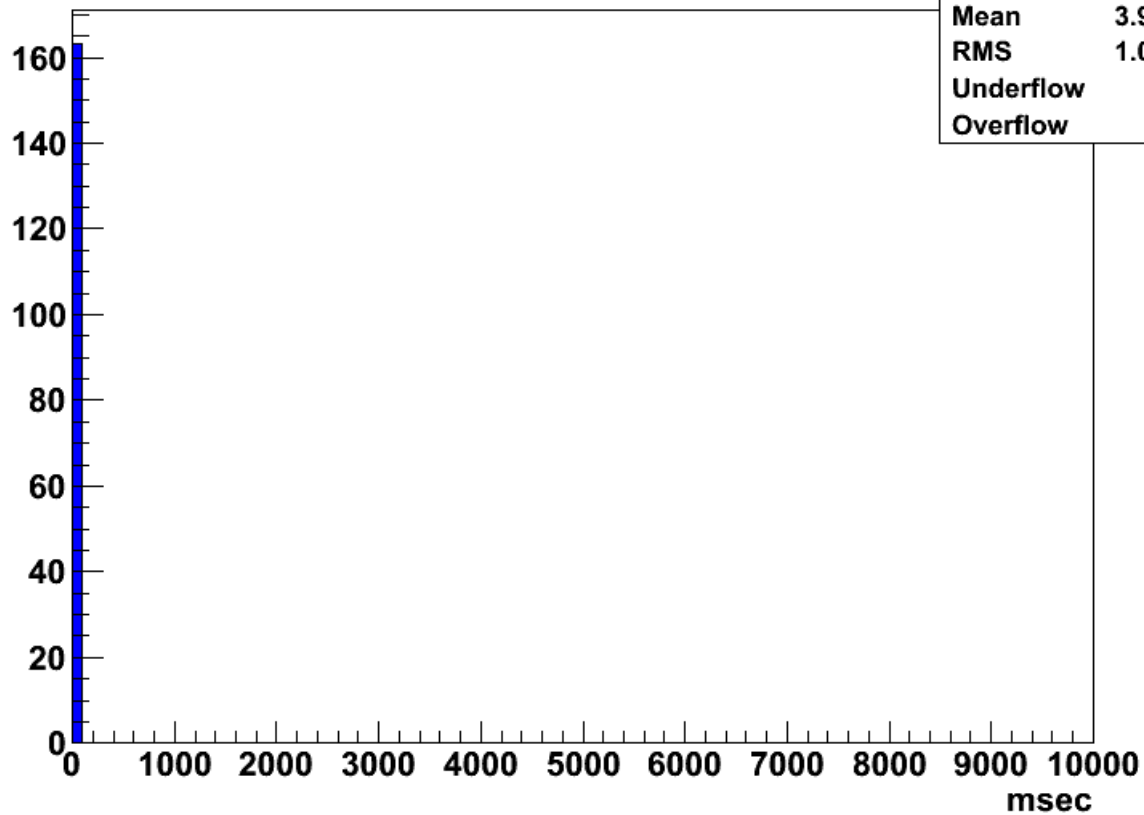
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module gtEvmDigis



Entries	163
Mean	0.03066
RMS	0.1724
Underflow	0
Overflow	0

## 2.5.7 siPixelDigis

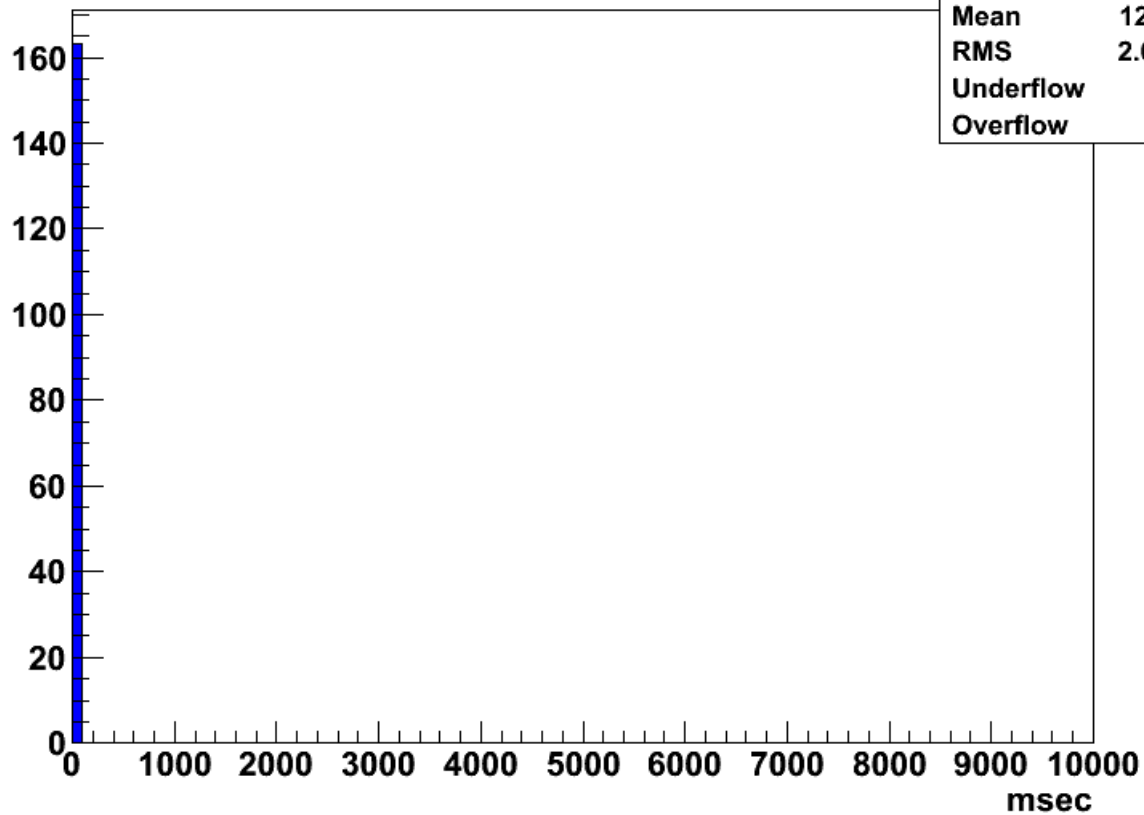
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module siPixelDigis



Entries	163
Mean	3.993
RMS	1.018
Underflow	0
Overflow	0

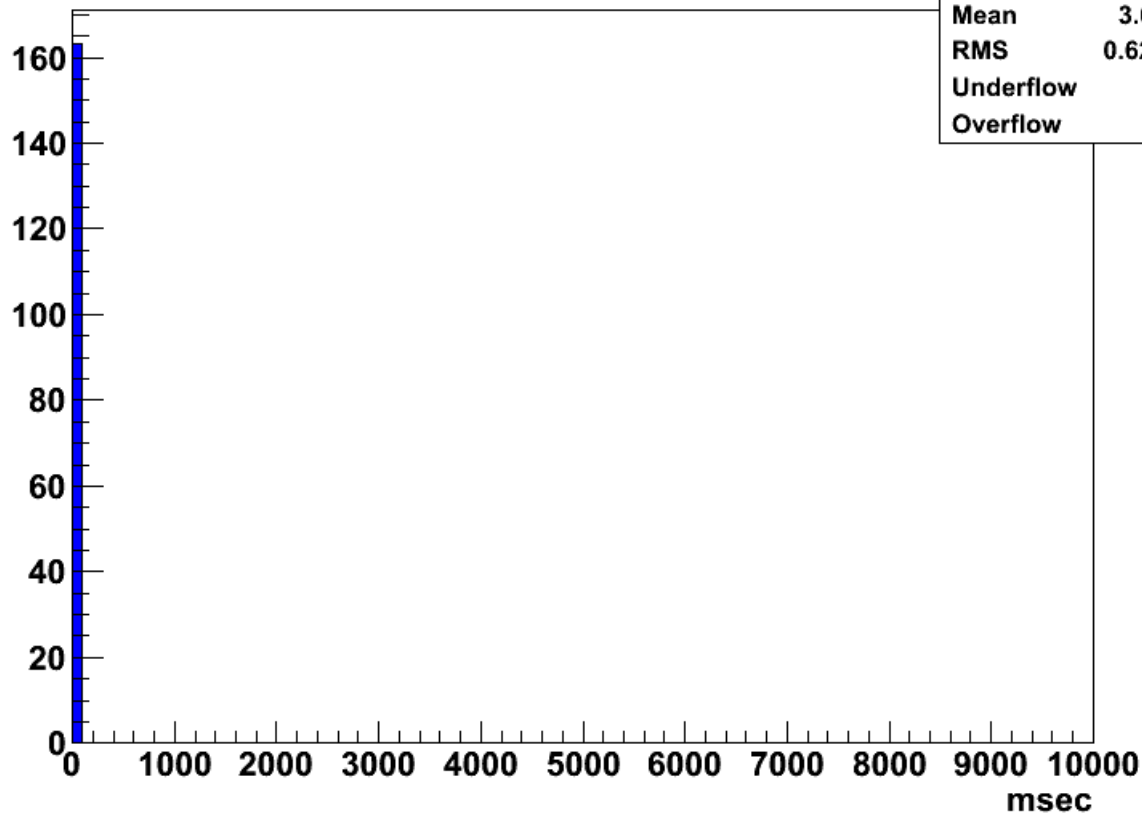
## 2.5.8 siStripDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module siStripDigis



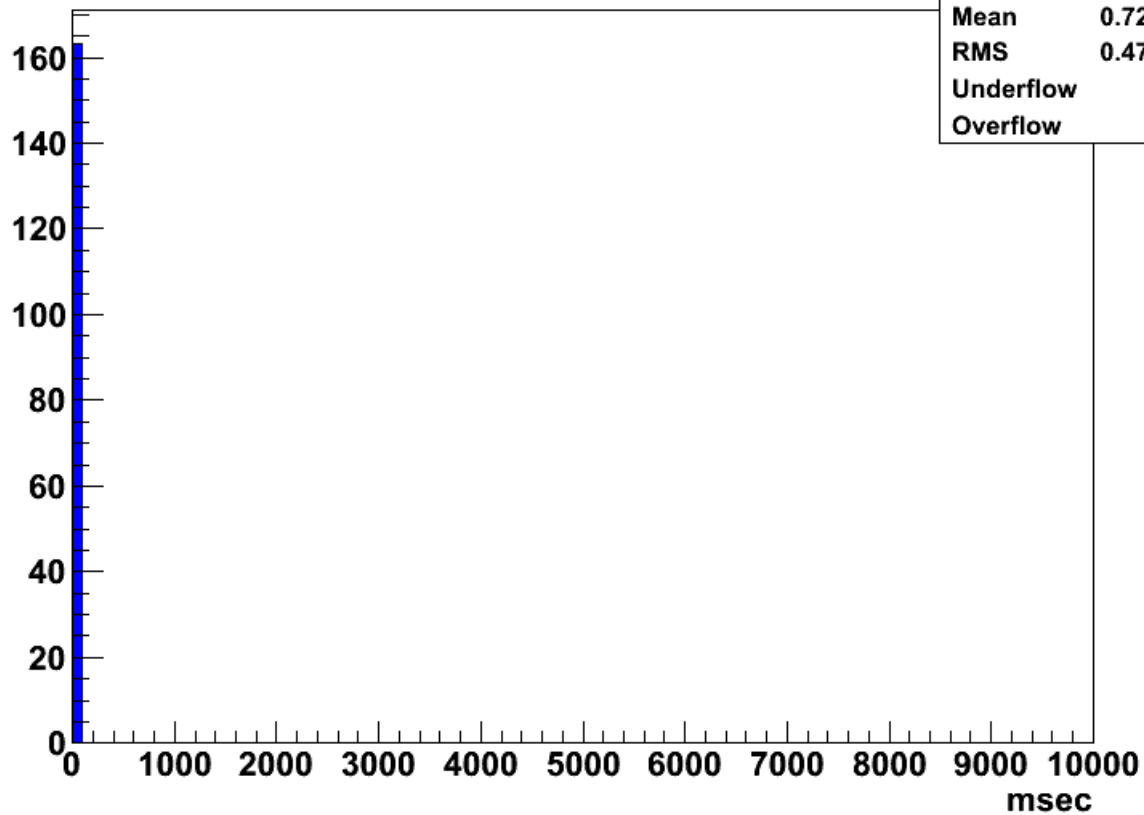
## 2.5.9 ecalDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module ecalDigis



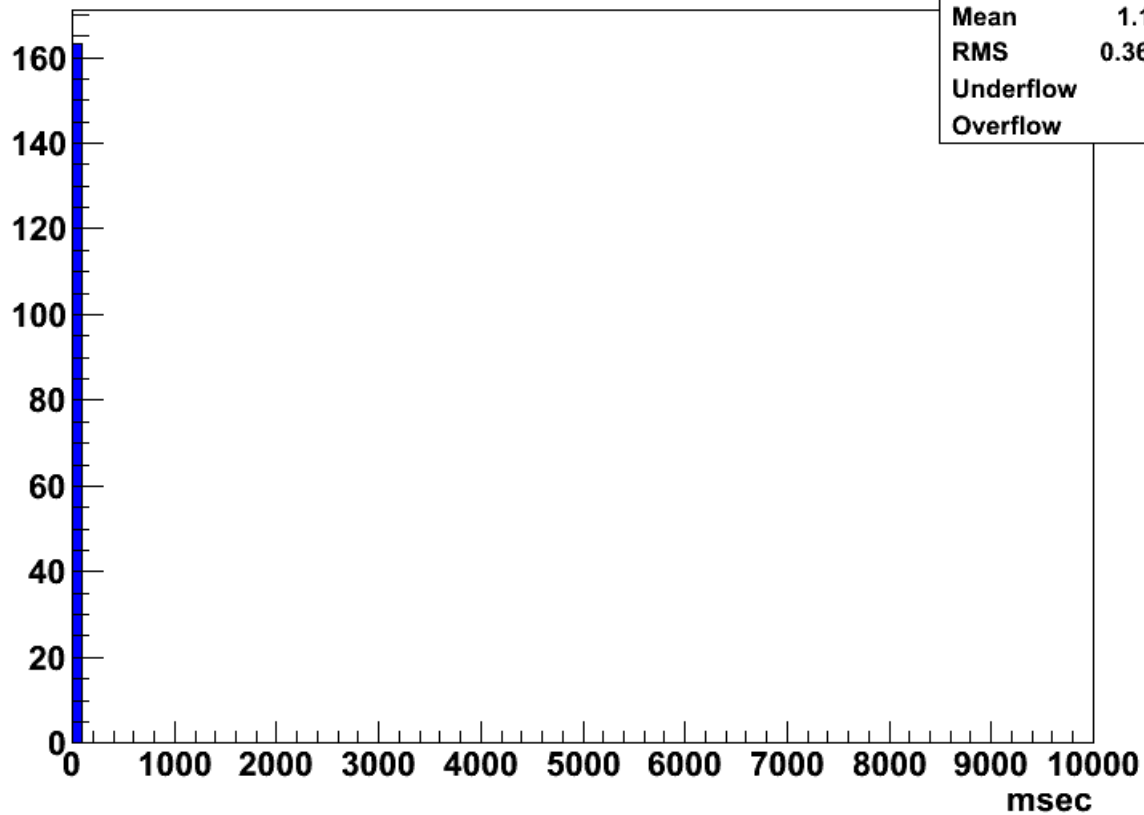
## 2.5.10 ecalPreshowerDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module ecalPreshowerDigis



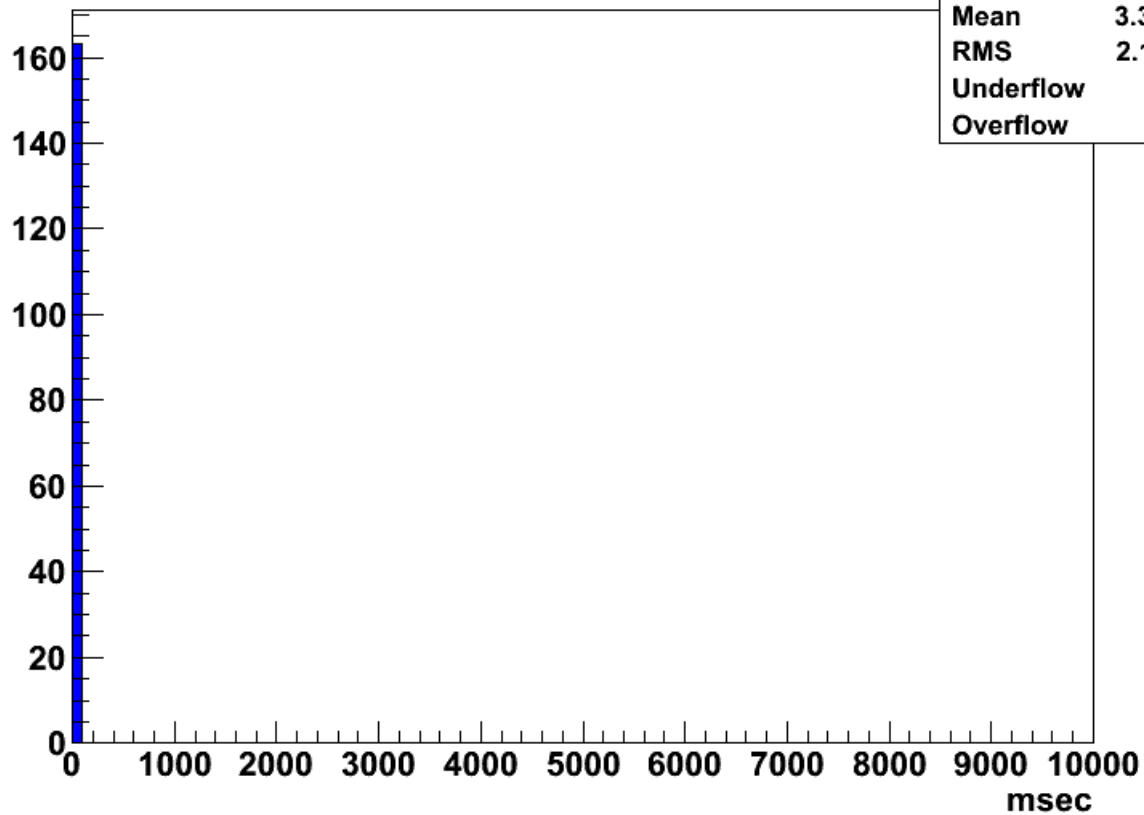
## 2.5.11 hcalDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hcalDigis



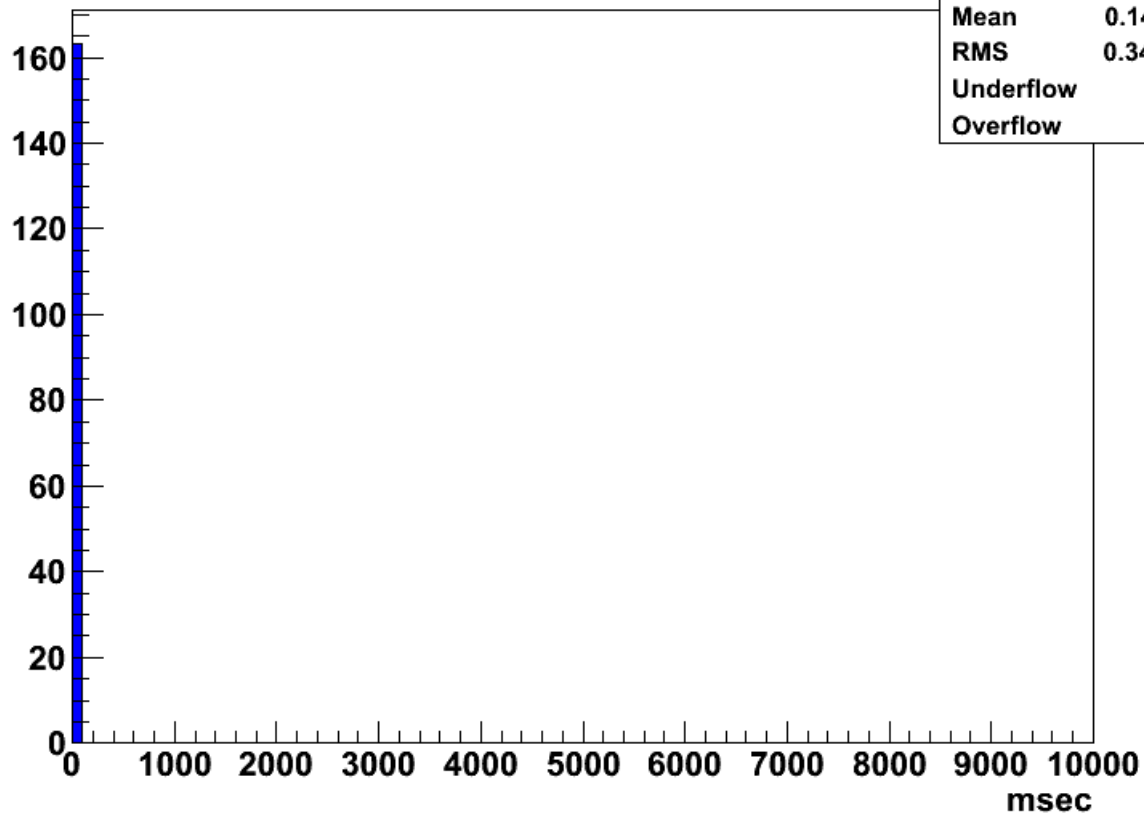
## 2.5.12 muonCSCDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module muonCSCDigis



### 2.5.13 muonDTDigis

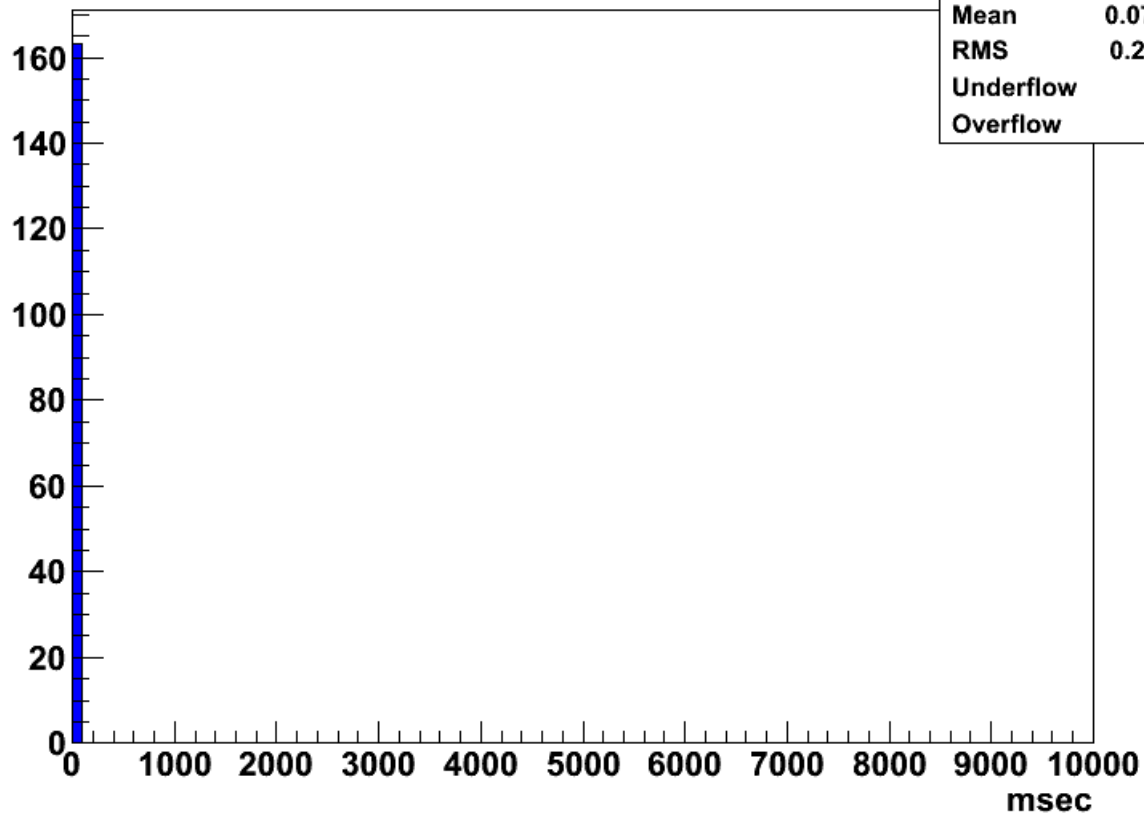
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module muonDTDigis





## 2.5.14 muonRPCDigis

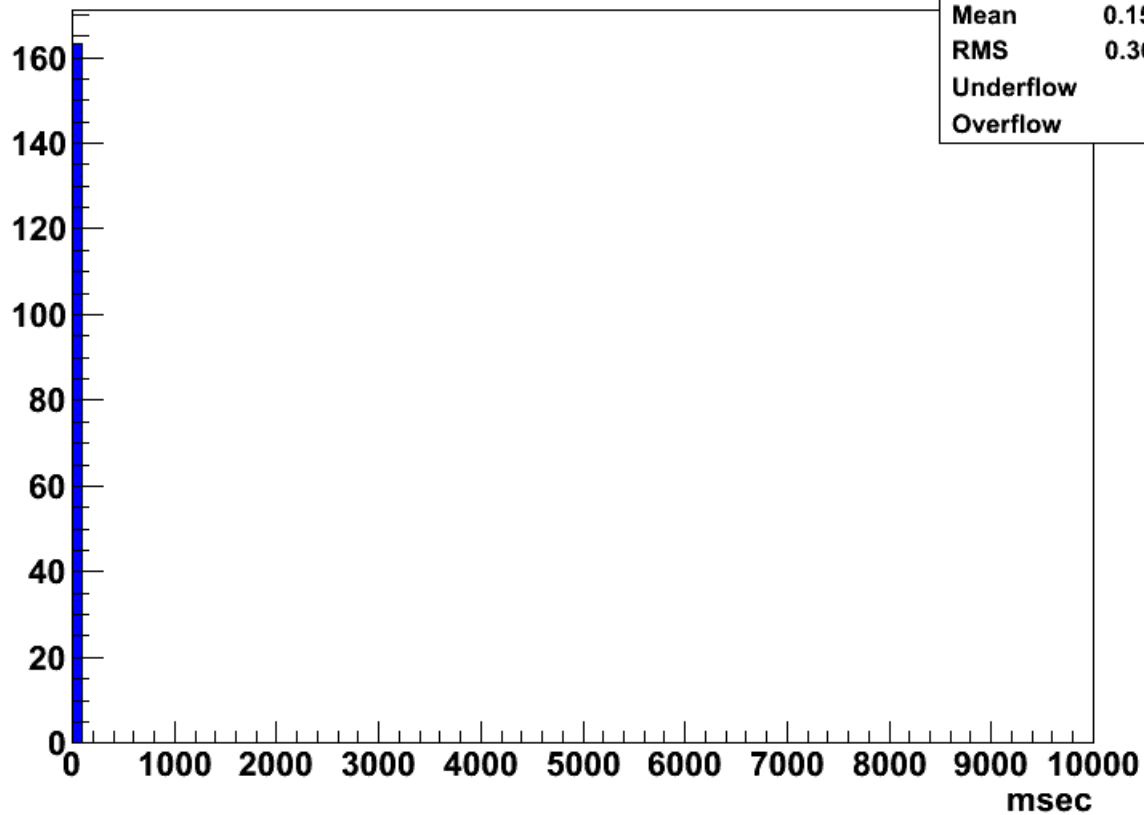
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module muonRPCDigis



<b>Entries</b>	<b>163</b>
<b>Mean</b>	<b>0.0736</b>
<b>RMS</b>	<b>0.2611</b>
<b>Underflow</b>	<b>0</b>
<b>Overflow</b>	<b>0</b>

## 2.5.15 castorDigis

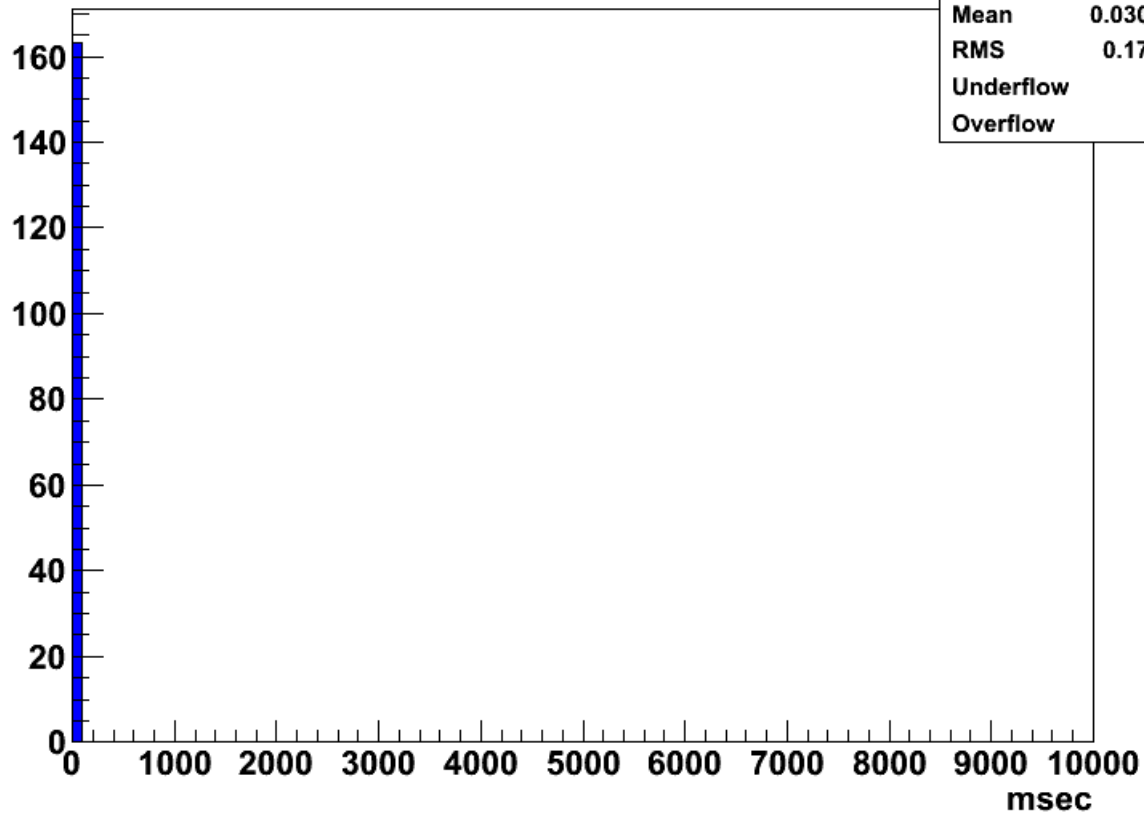
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module castorDigis



Entries	163
Mean	0.1534
RMS	0.3603
Underflow	0
Overflow	0

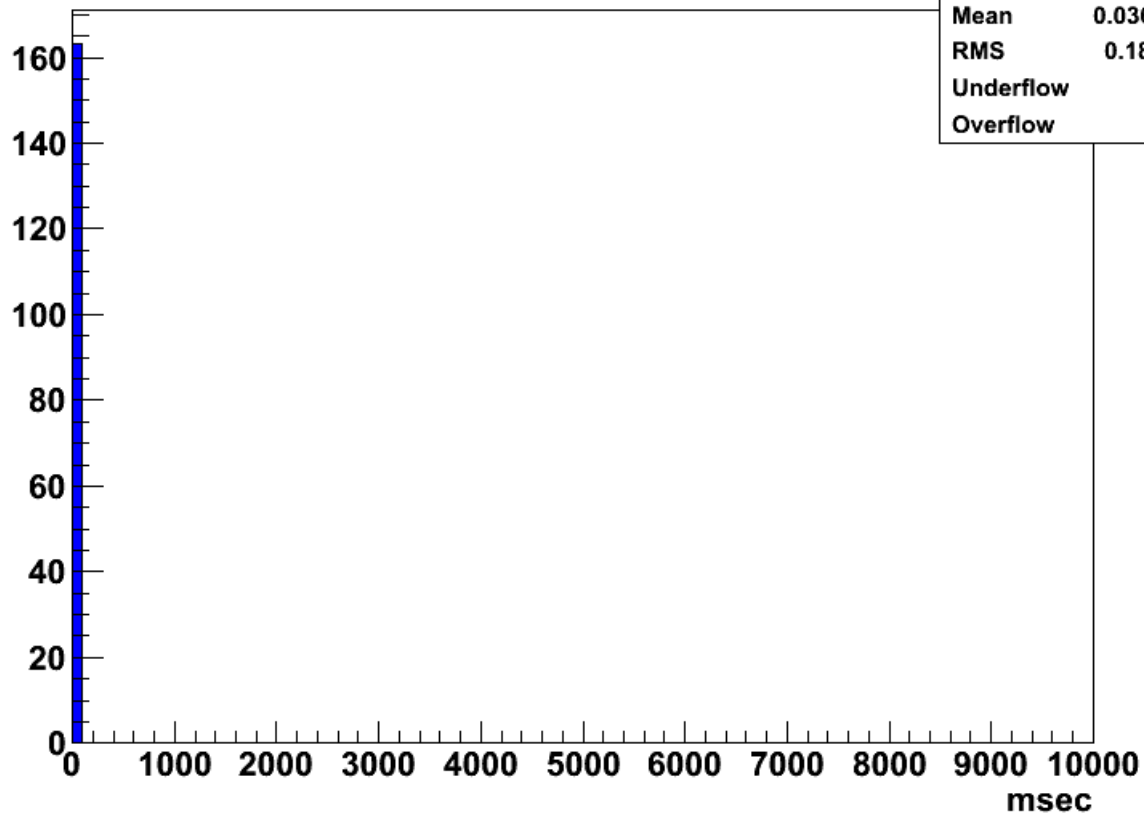
## 2.5.16 scalersRawToDigi

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module scalersRawToDigi



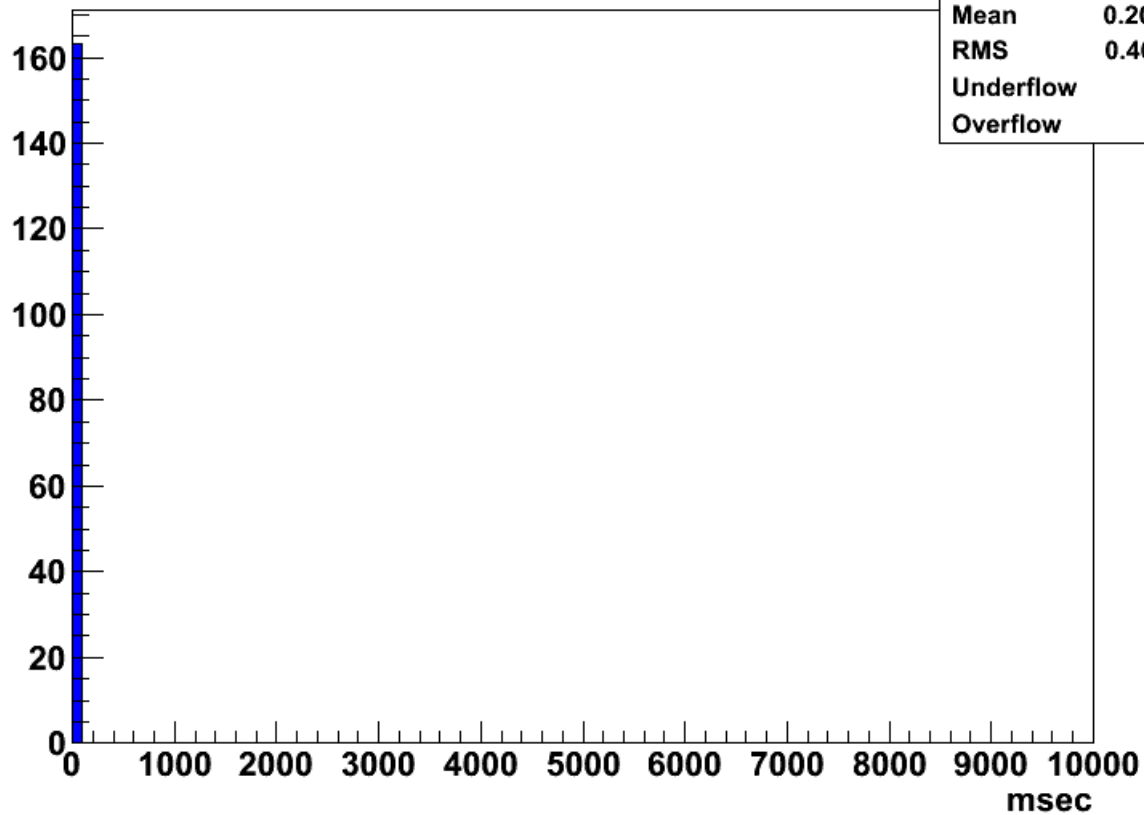
## 2.5.17 simBscDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module simBscDigis



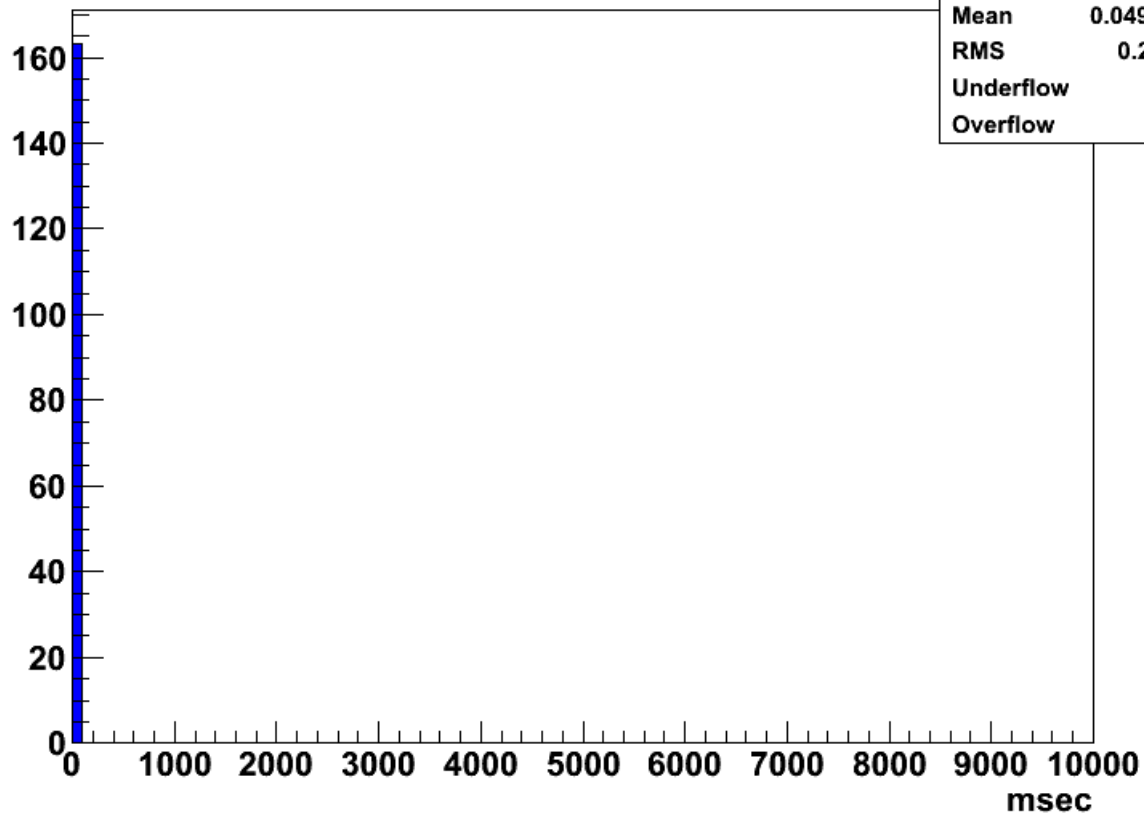
## 2.5.18 simRpcTechTrigDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module simRpcTechTrigDigis



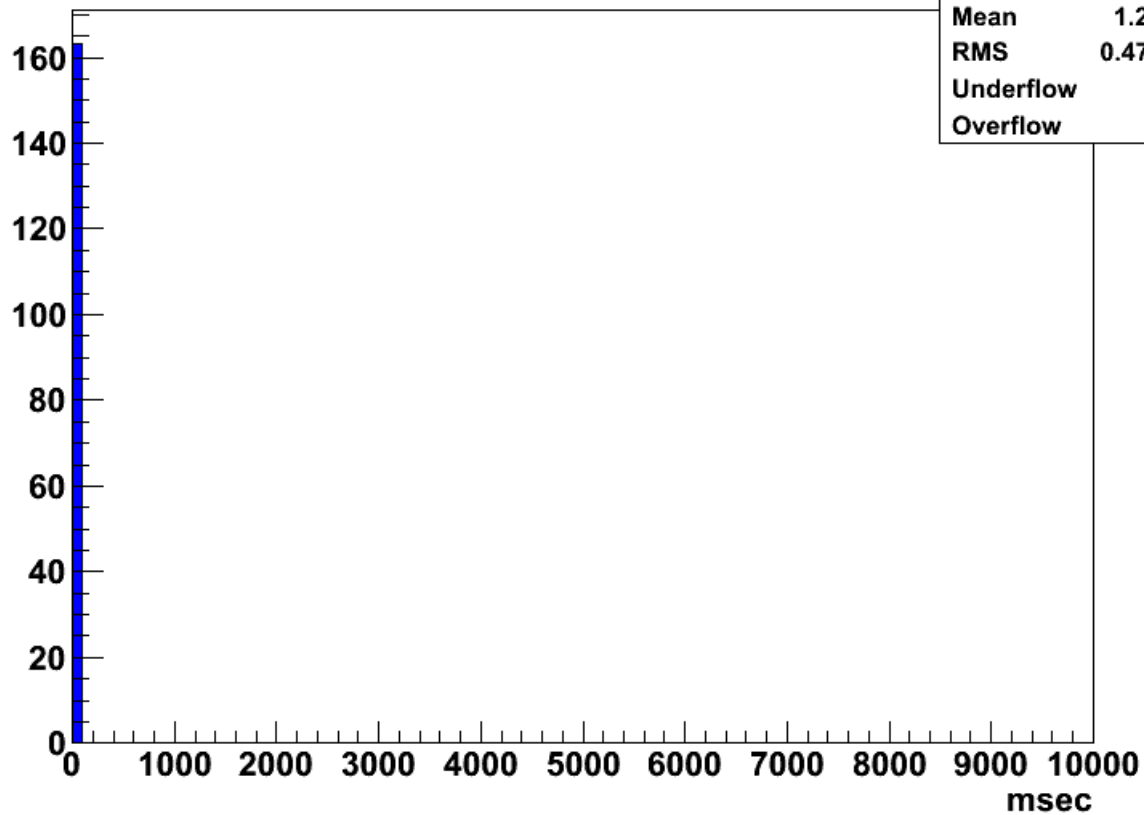
## 2.5.19 simHcalTechTrigDigis

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module simHcalTechTrigDigis



## 2.5.20 simGtDigis

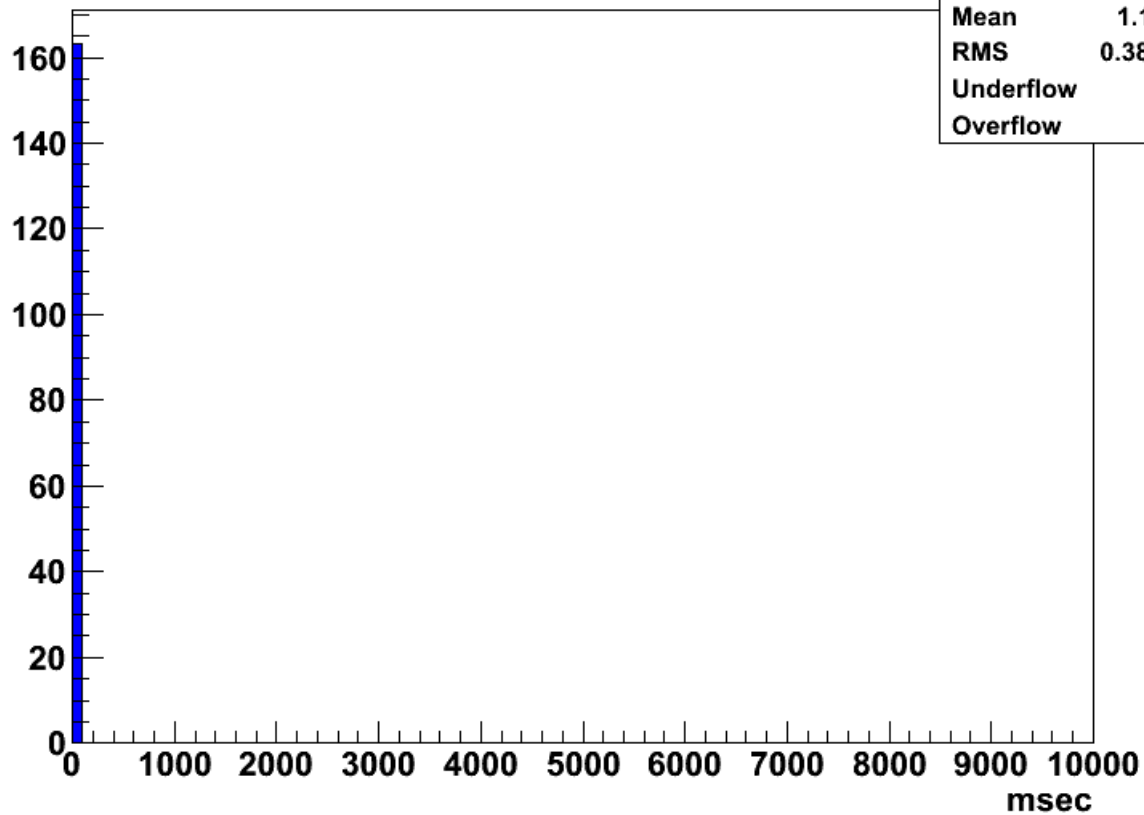
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module simGtDigis



Entries	163
Mean	1.288
RMS	0.4792
Underflow	0
Overflow	0

## 2.5.21 hltL1GtObjectMap

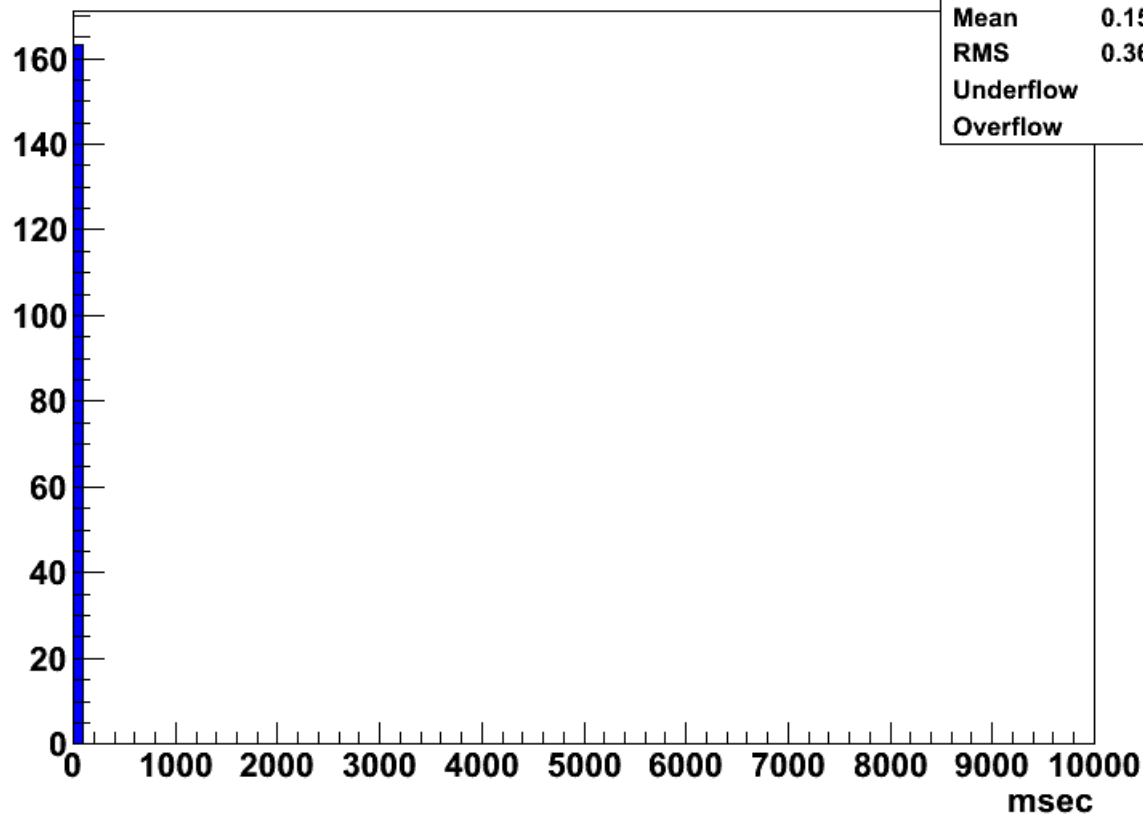
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1GtObjectMap





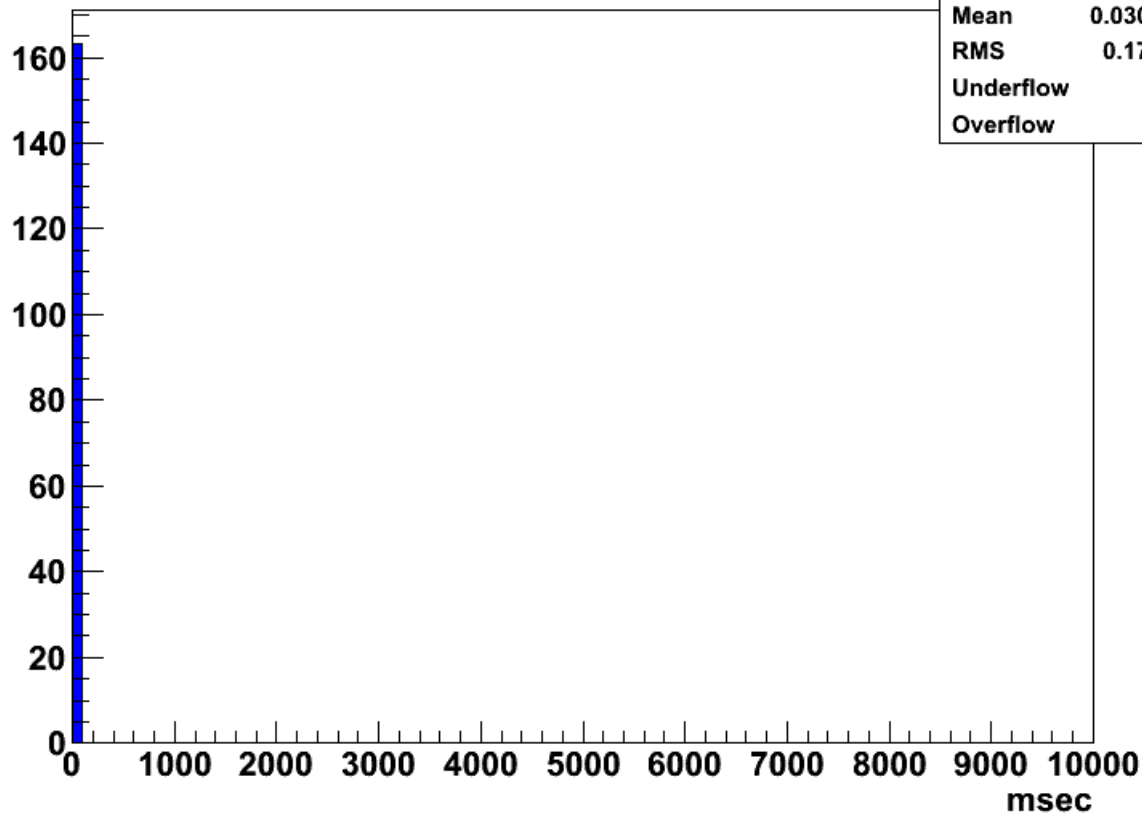
## 2.5.22 hltL1extraParticles

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1extraParticles



## 2.5.23 hltScalersRawToDigi

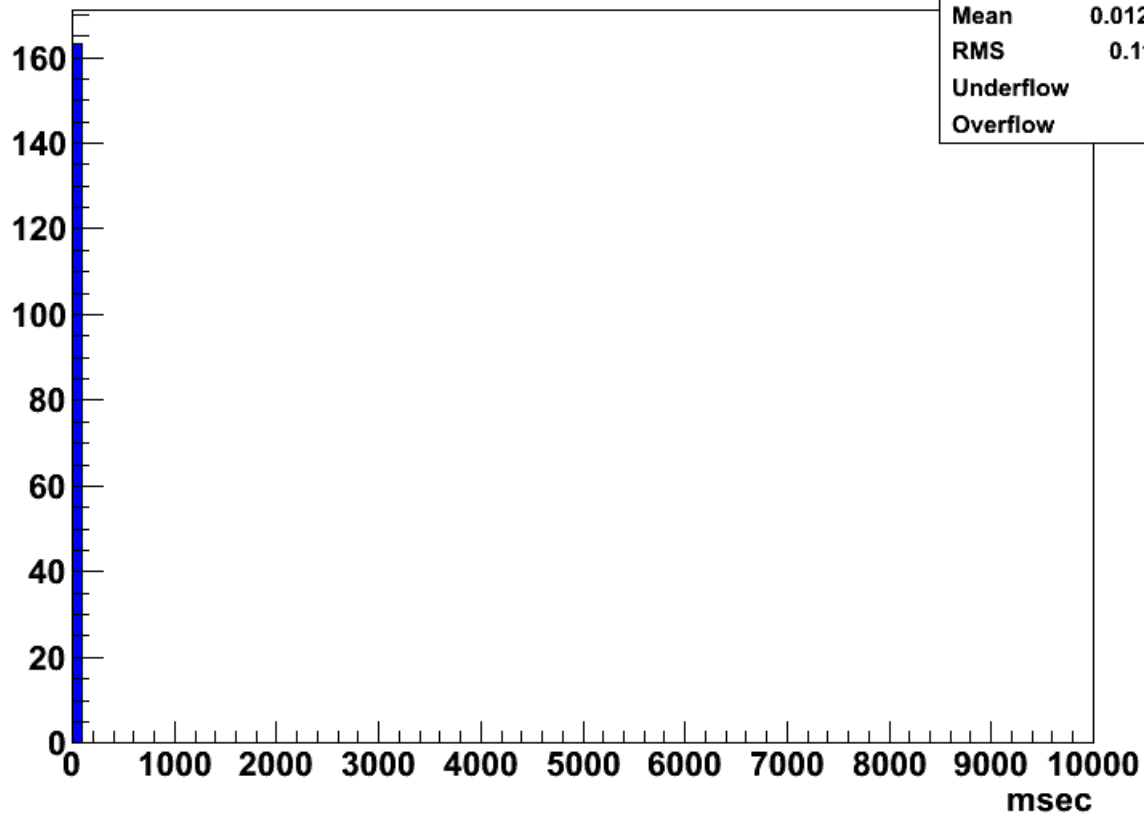
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltScalersRawToDigi



Entries	163
Mean	0.03067
RMS	0.1724
Underflow	0
Overflow	0

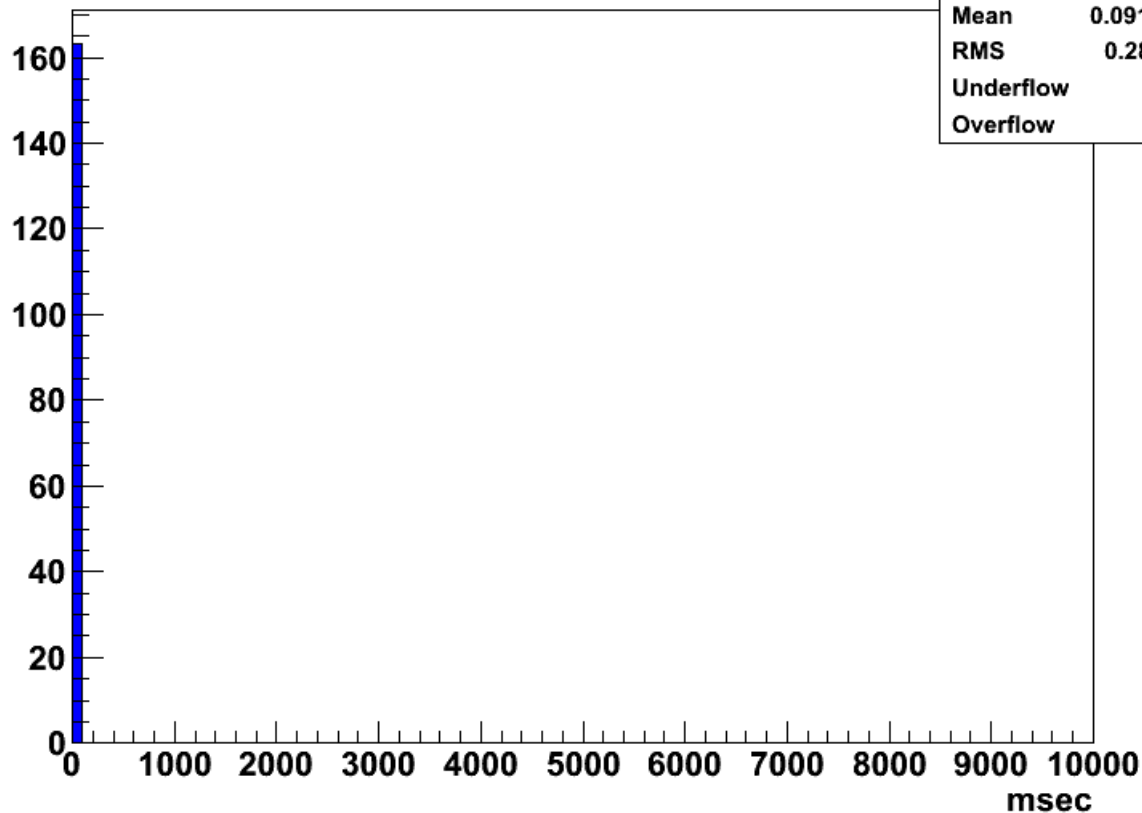
## 2.5.24 hltOnlineBeamSpot

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltOnlineBeamSpot



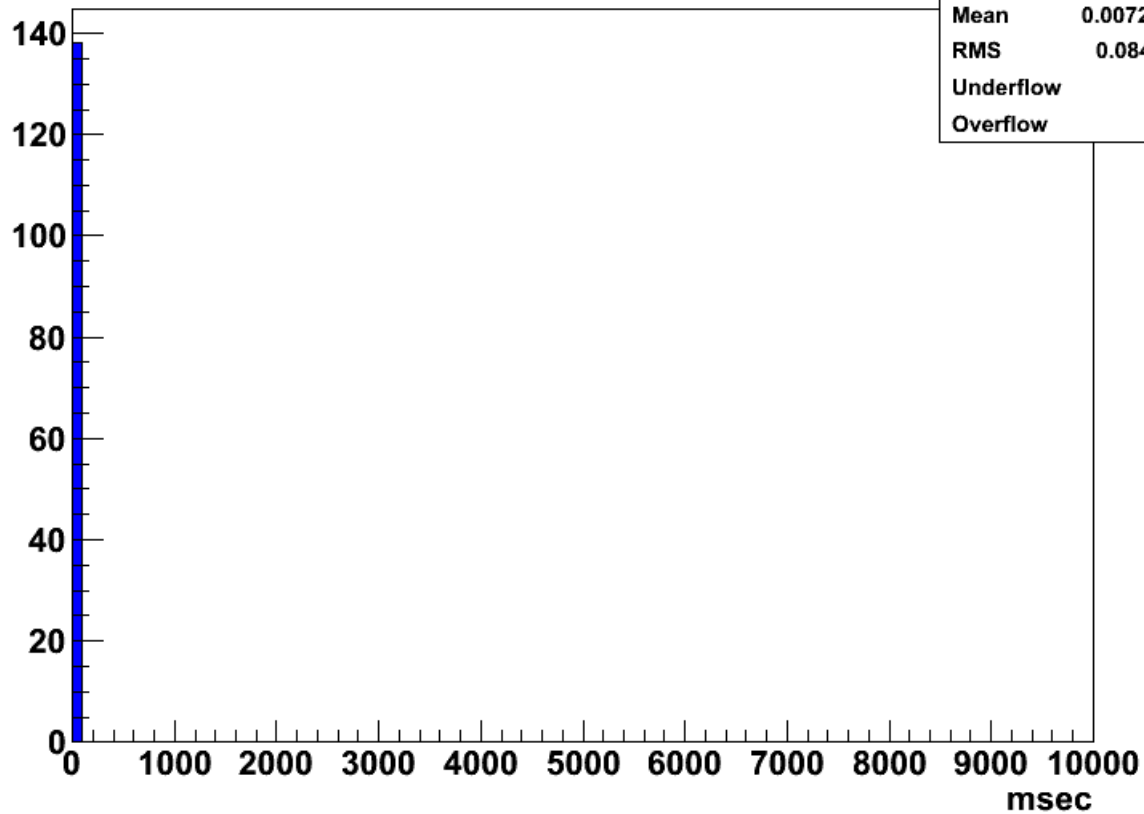
## 2.5.25 hltL1sL1TripleJet644424VBFORTripleJet644828VBFORTripleJet684832VBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1sL1TripleJet644424VBFORTripleJet644828VBFORTripleJet684832VBF



## 2.5.26 hltPreQuadJet75553520BTagIPVBF

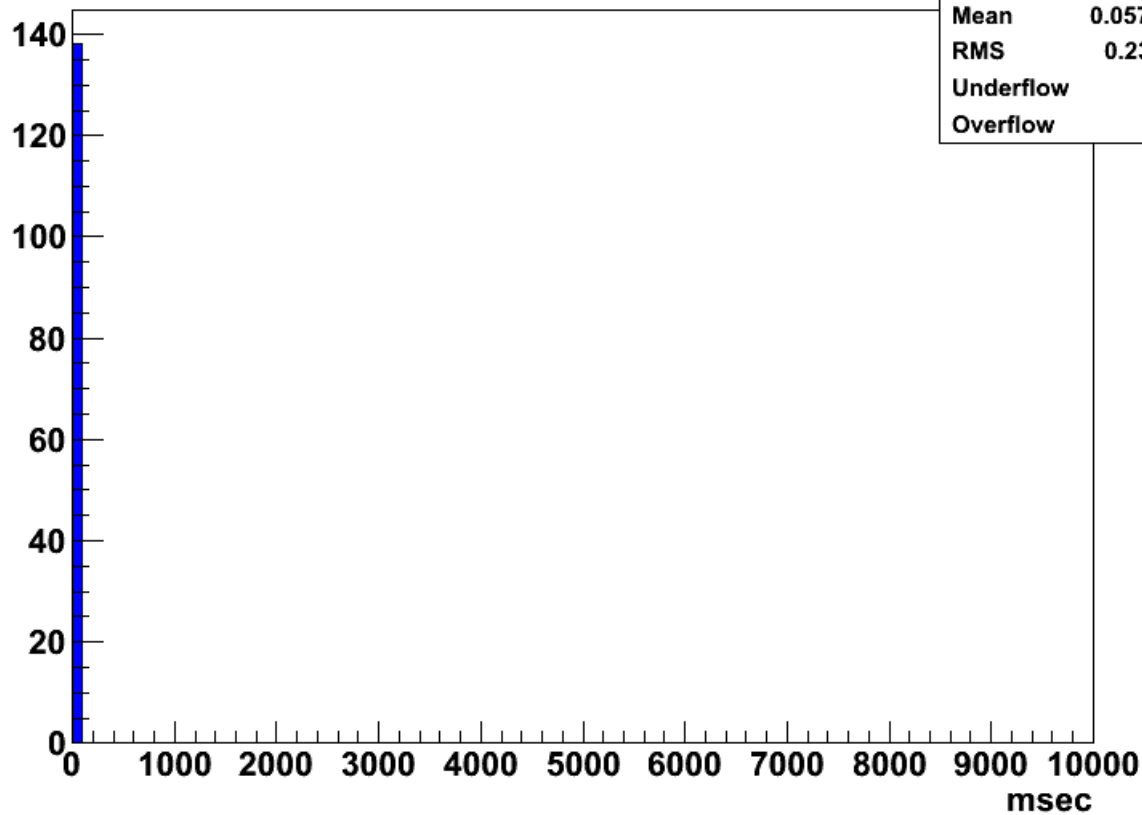
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltPreQuadJet75553520BTagIPVBF



Entries	138
Mean	0.007246
RMS	0.08482
Underflow	0
Overflow	0

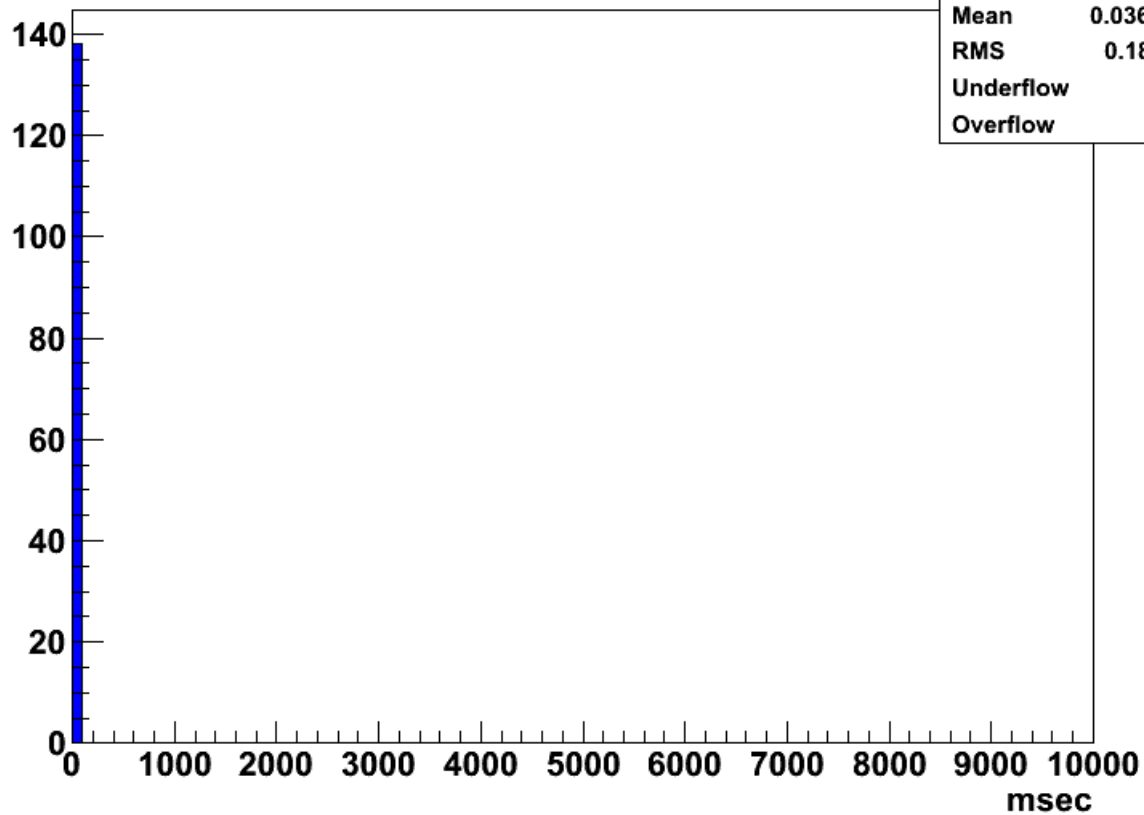
## 2.5.27 hltEcalRawToRecHitFacility

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltEcalRawToRecHitFacility



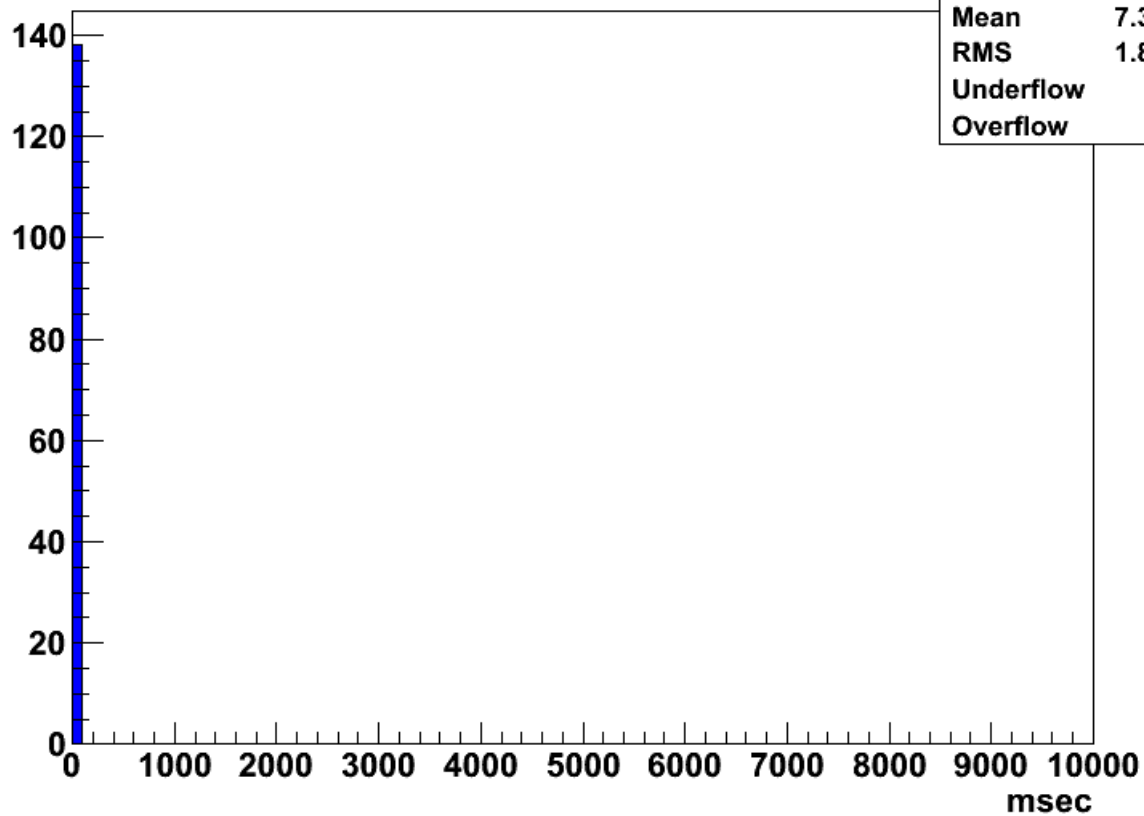
## 2.5.28 hltEcalRegionalRestFEDs

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltEcalRegionalRestFEDs



## 2.5.29 hltEcalRecHitAll

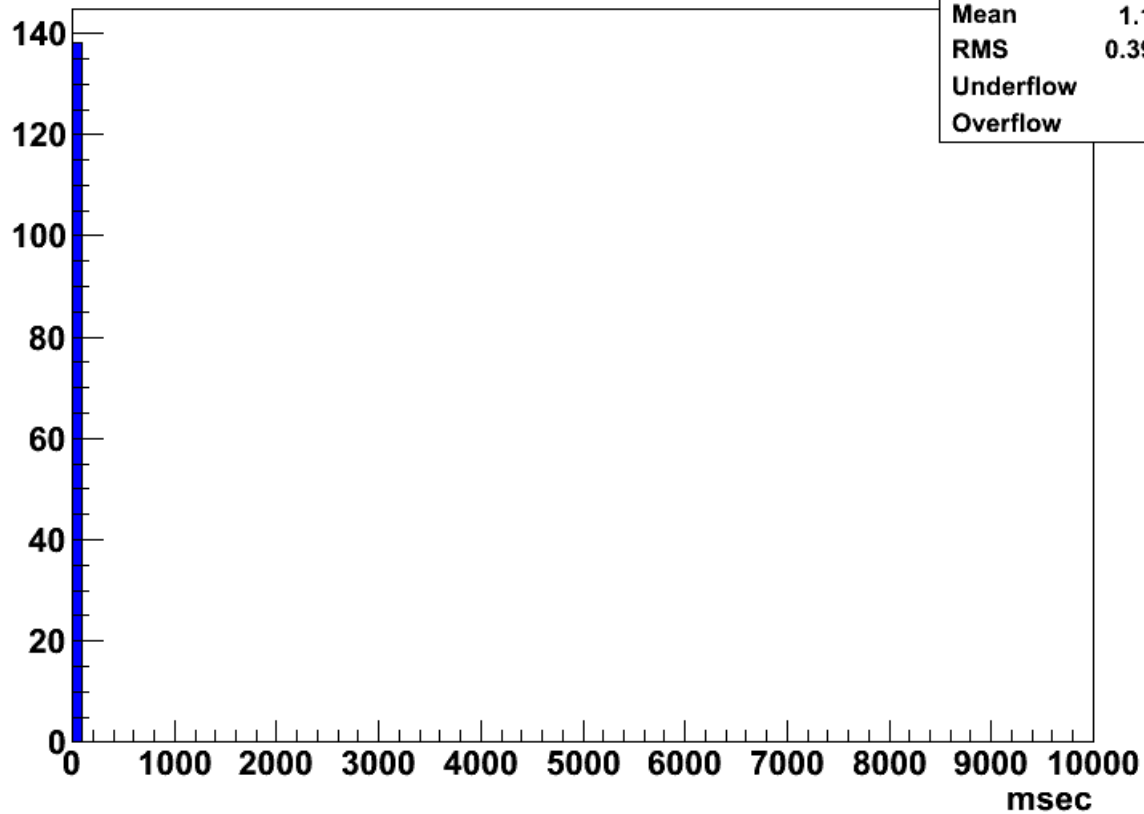
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltEcalRecHitAll





## 2.5.30 hltHcalDigis

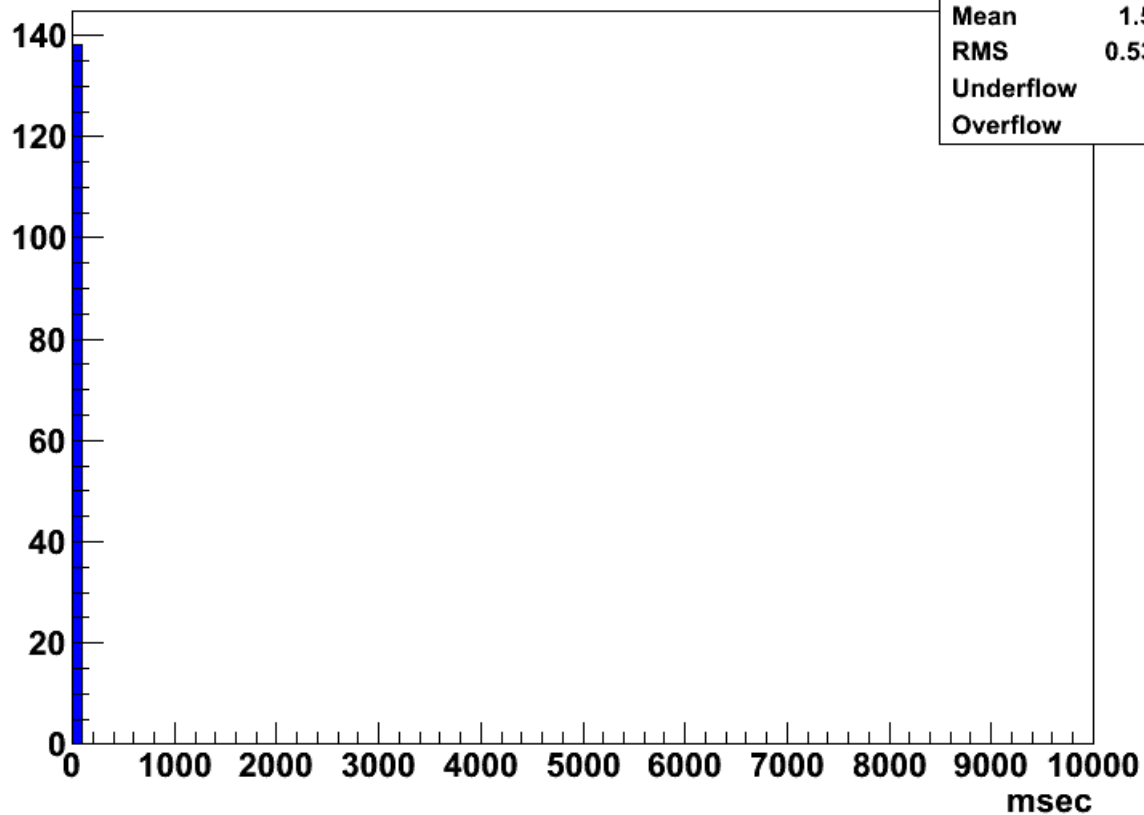
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltHcalDigis



Entries	138
Mean	1.174
RMS	0.3976
Underflow	0
Overflow	0

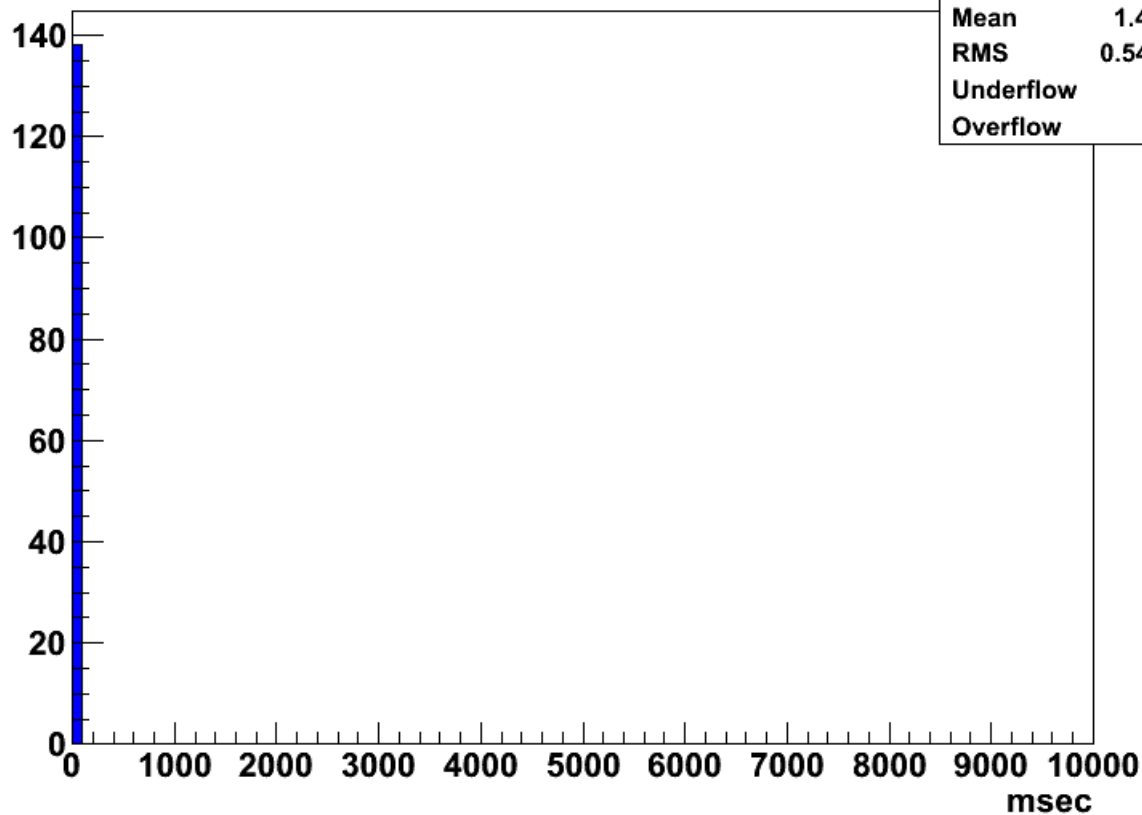
## 2.5.31 hltHbhereco

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltHbhereco



## 2.5.32 hltHfreco

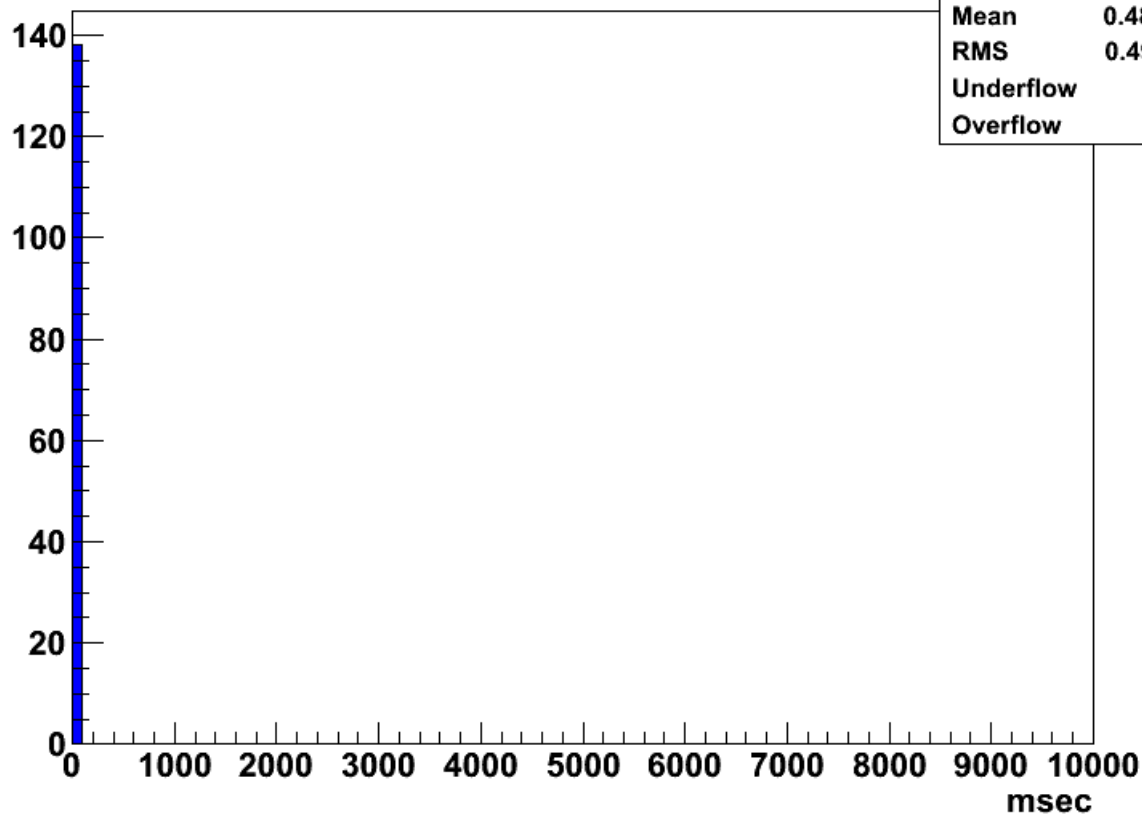
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltHfreco



modulePathRunTime_HLT_QuadJet75_55_35_20_BTagIP_VBF_v7_HltHfreco	
<b>Entries</b>	<b>138</b>
<b>Mean</b>	<b>1.406</b>
<b>RMS</b>	<b>0.5468</b>
<b>Underflow</b>	<b>0</b>
<b>Overflow</b>	<b>0</b>

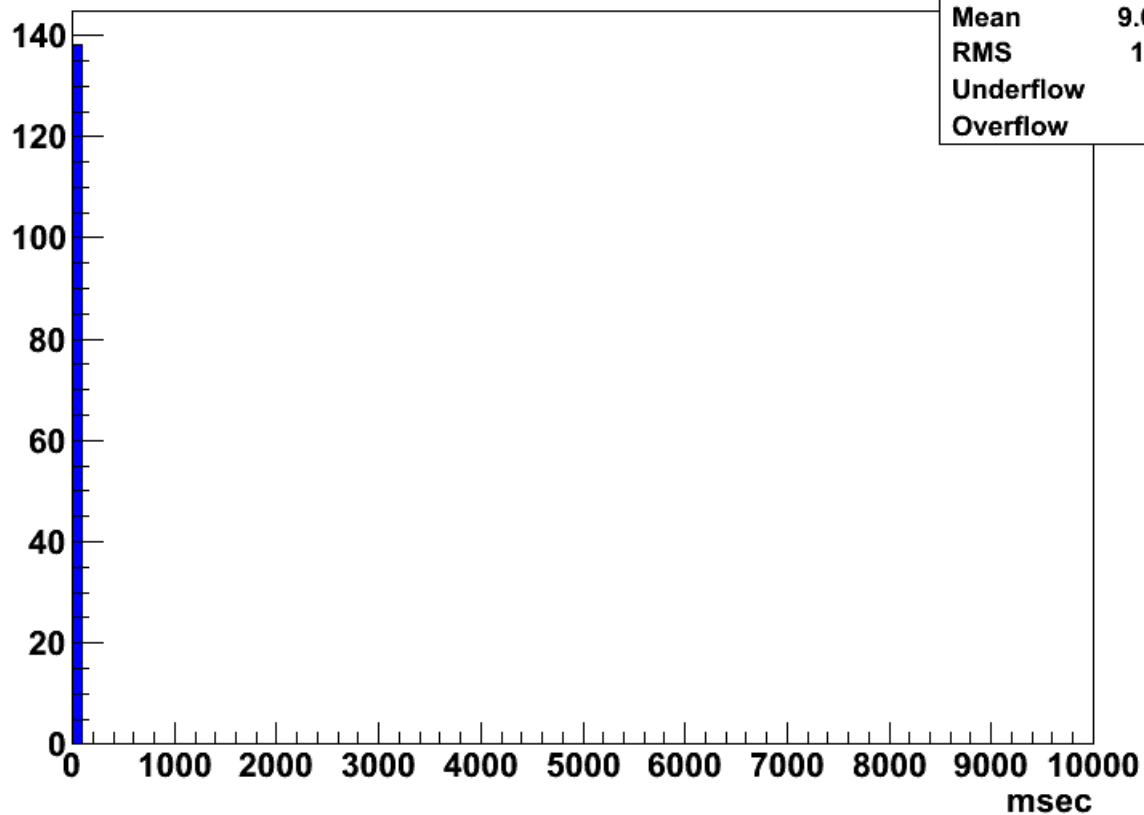
### 2.5.33 hltHoreco

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltHoreco



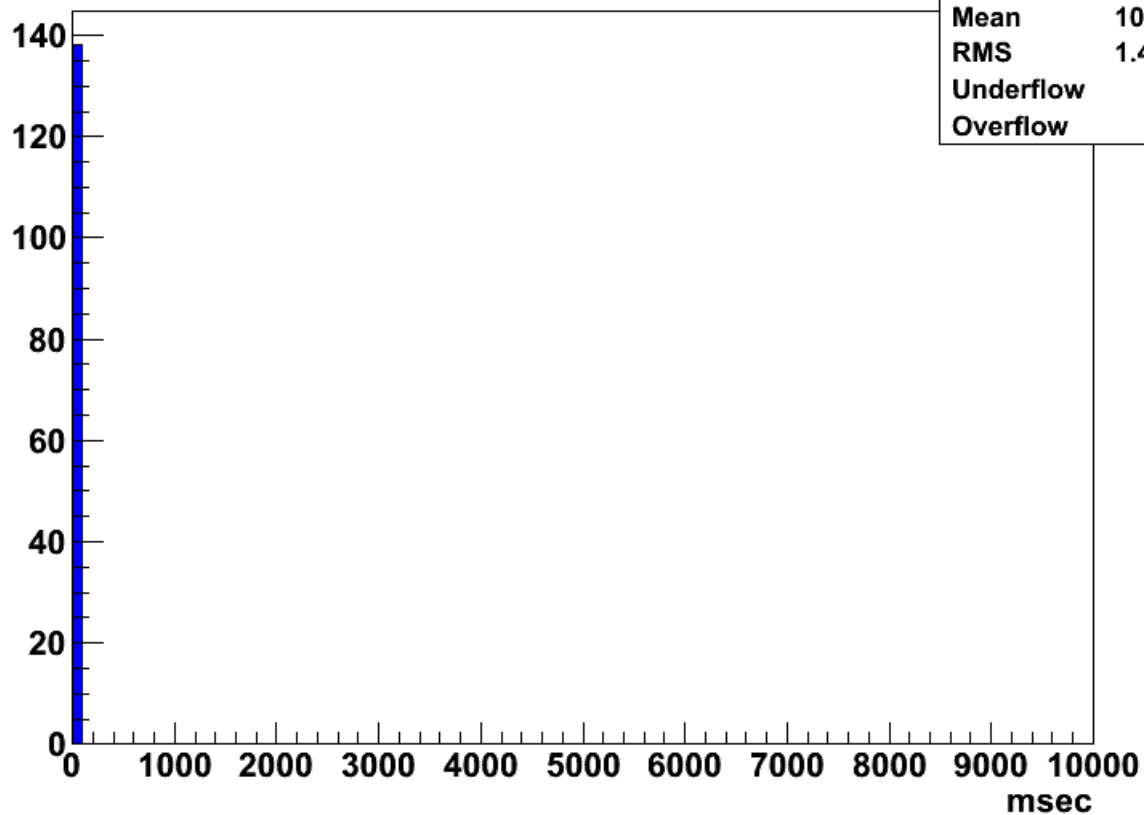
## 2.5.34 hltTowerMakerForAll

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltTowerMakerForAll



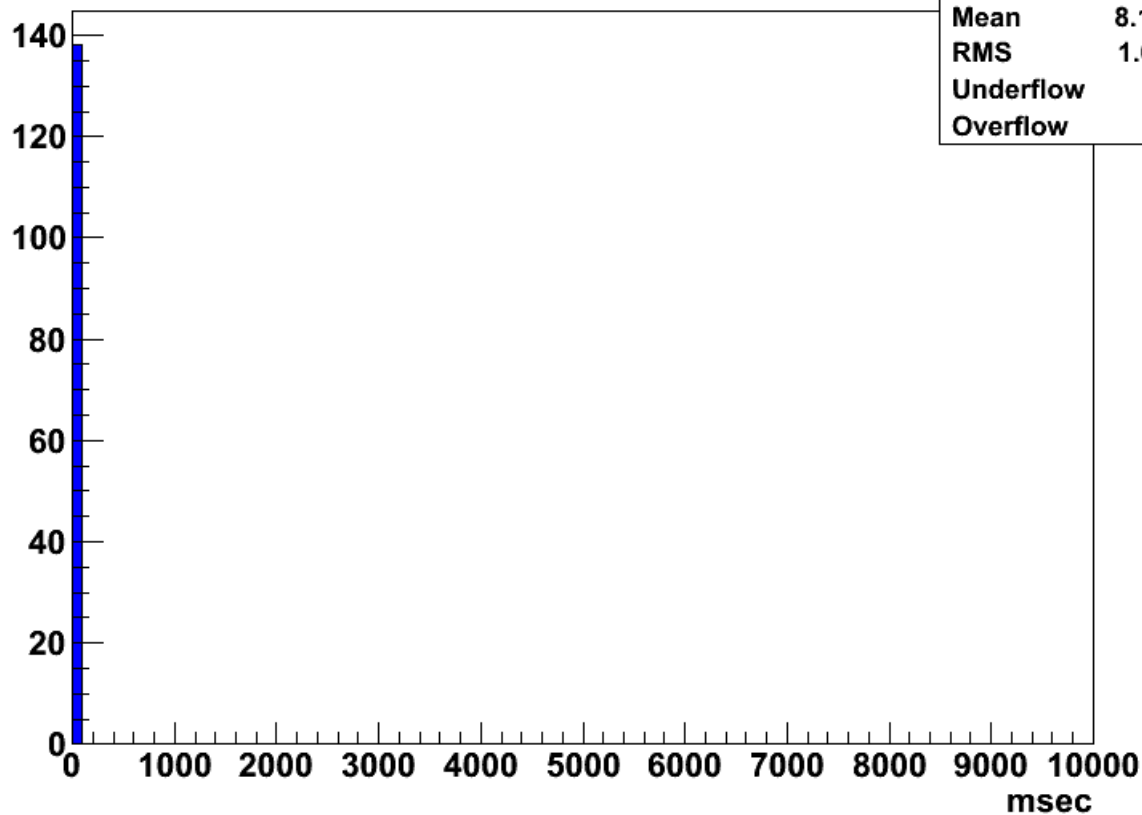
## 2.5.35 hltKT6CaloJets

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltKT6CaloJets



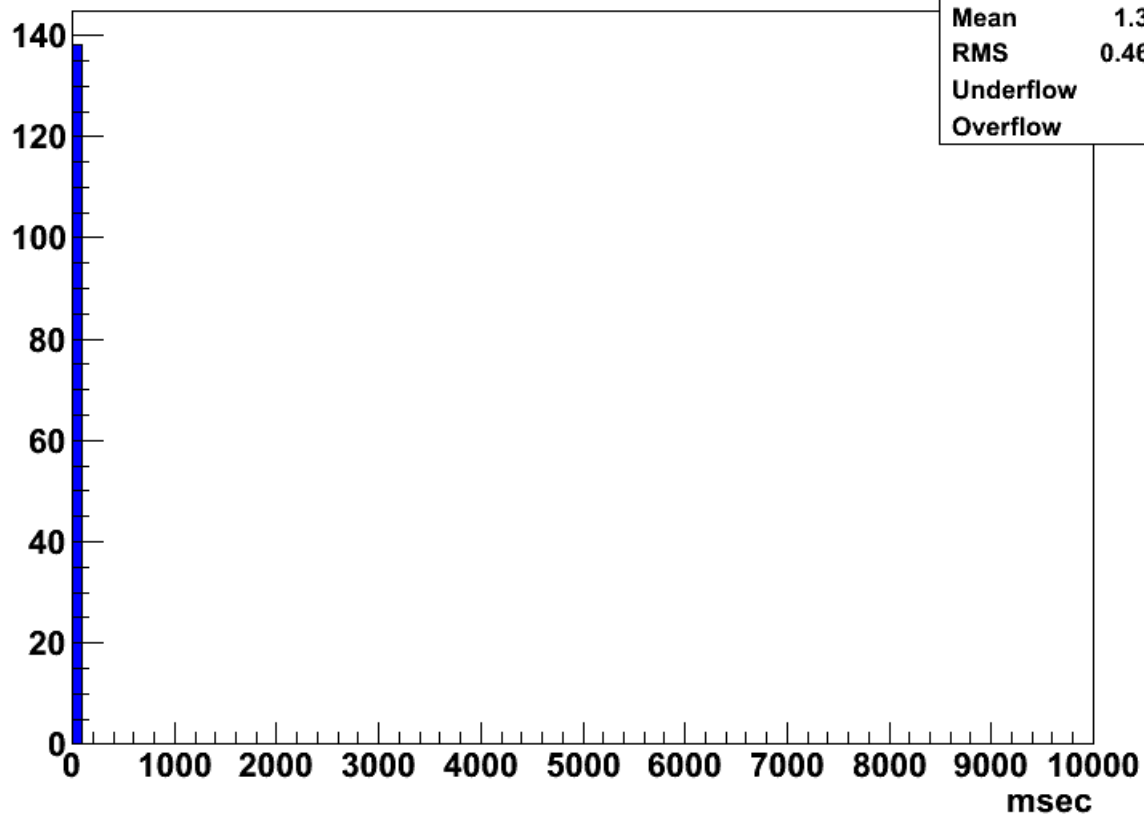
## 2.5.36 hltAntiKT5CaloJets

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltAntiKT5CaloJets



## 2.5.37 hltCaloJetIDPassed

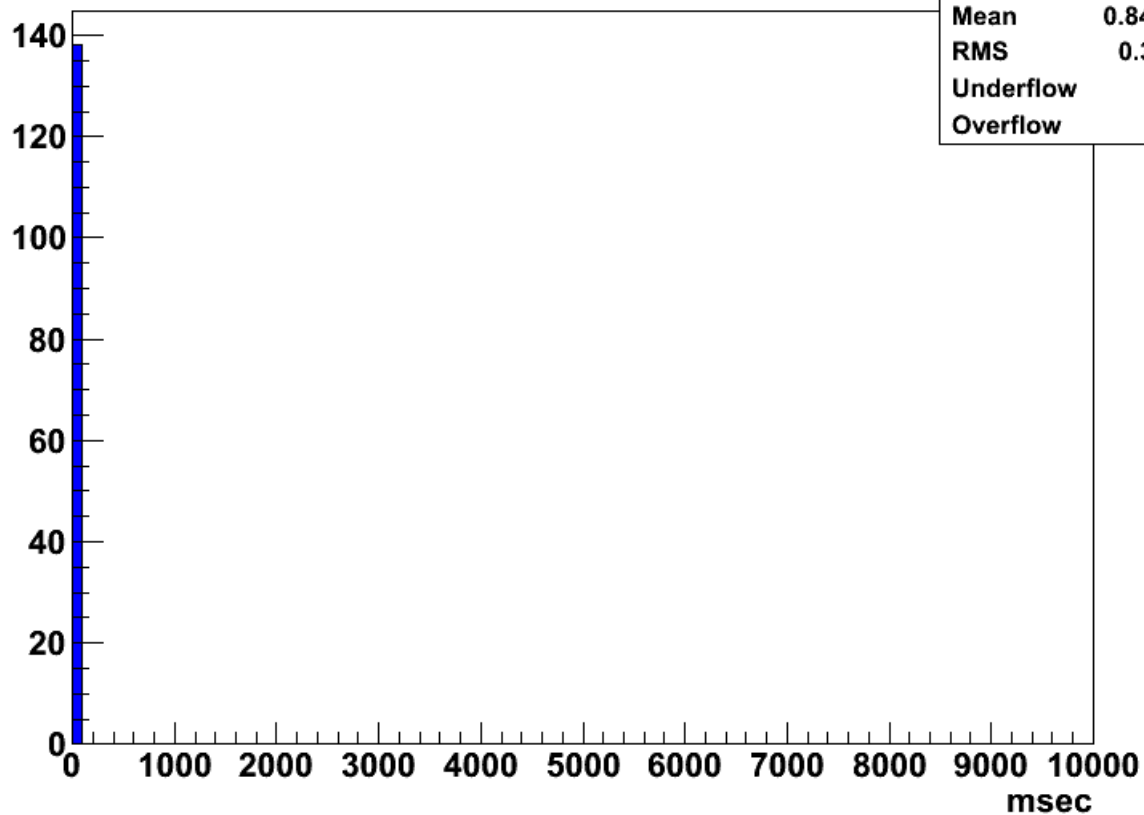
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltCaloJetIDPassed





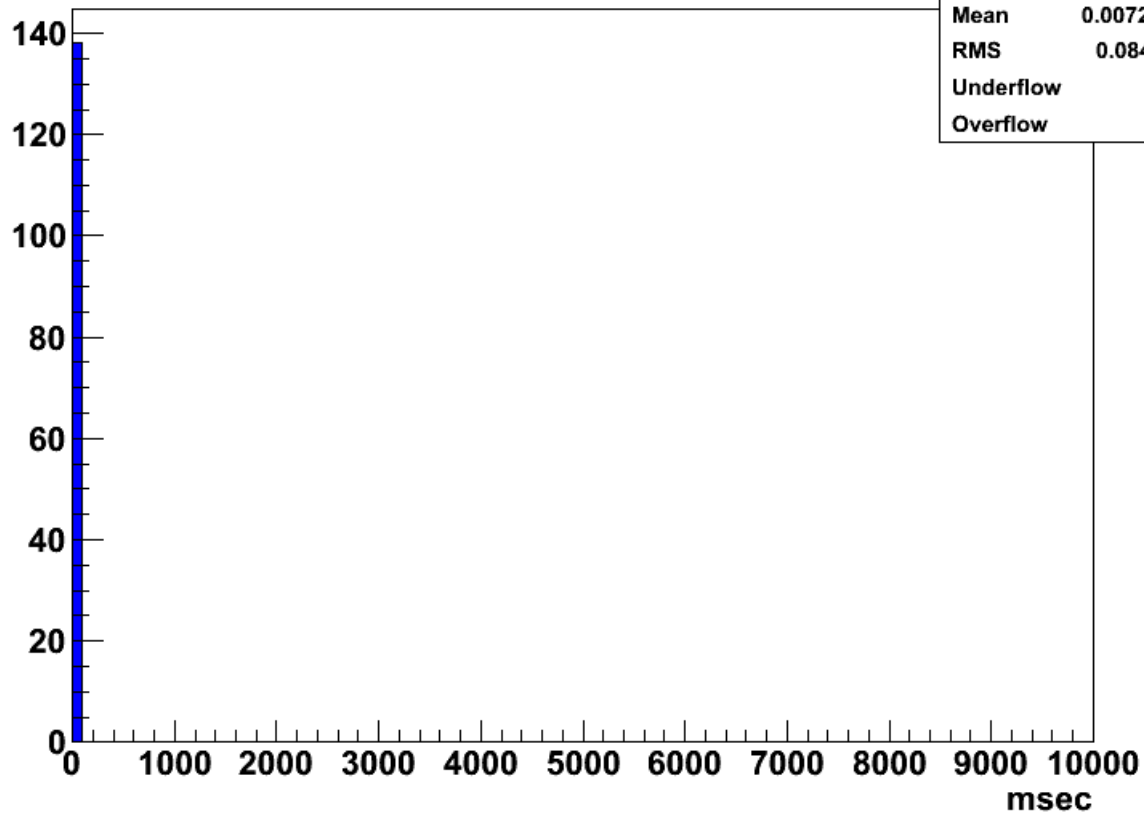
### 2.5.38 hltCaloJetL1FastJetCorrected

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltCaloJetL1FastJetCorrected



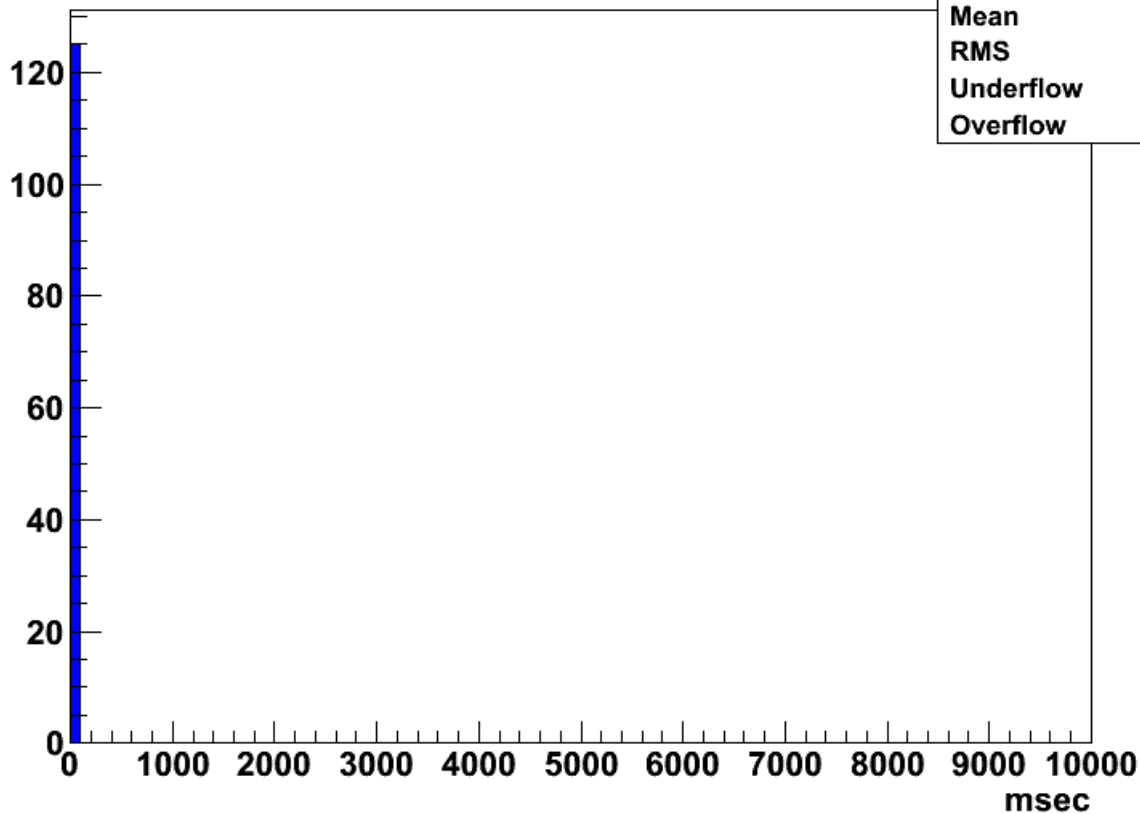
### 2.5.39 hltL1FastJetSingle75HbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1FastJetSingle75HbbVBF



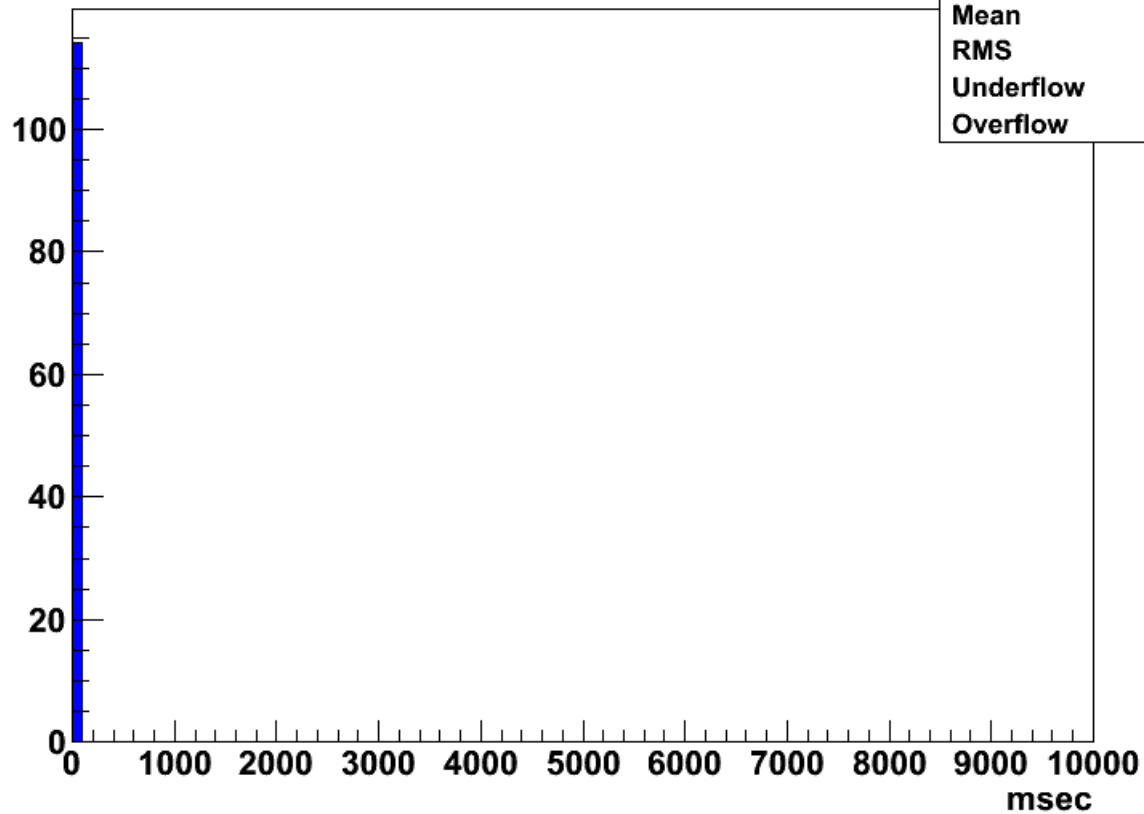
## 2.5.40 hltL1FastJetDouble55HbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1FastJetDouble55HbbVBF



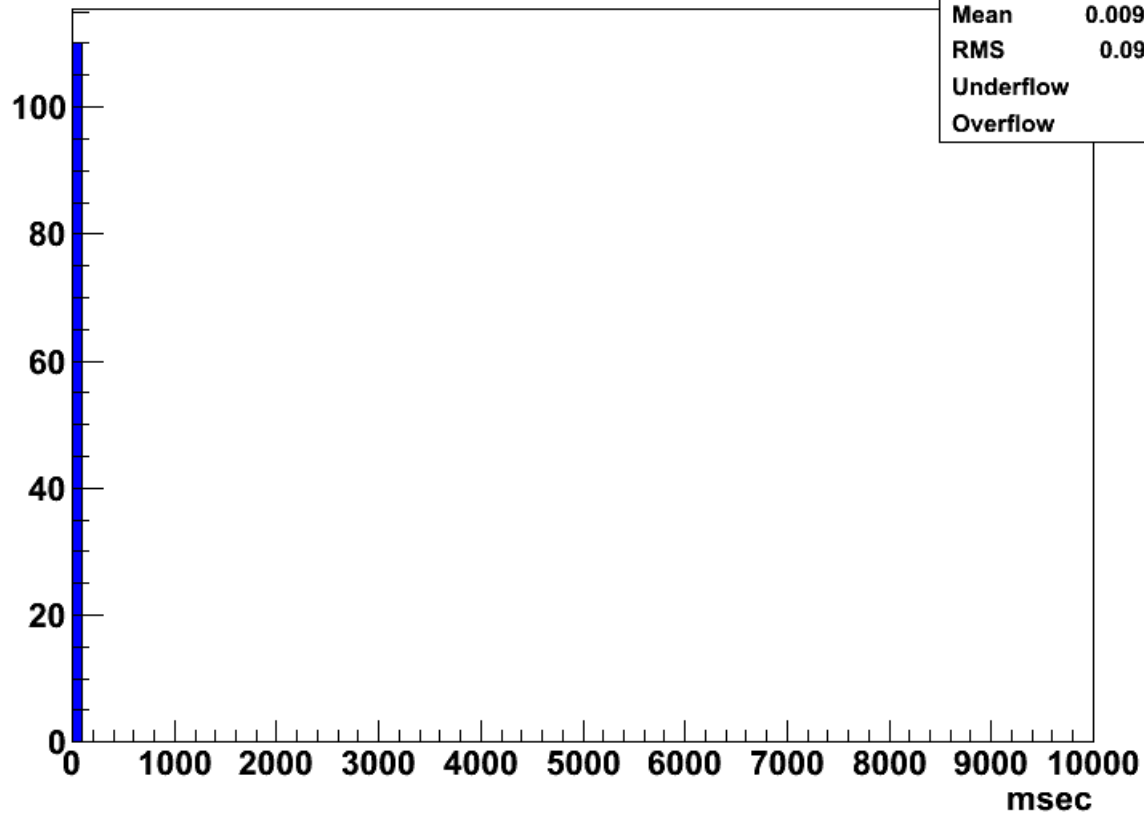
## 2.5.41 hltL1FastJetTriple35HbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1FastJetTriple35HbbVBF



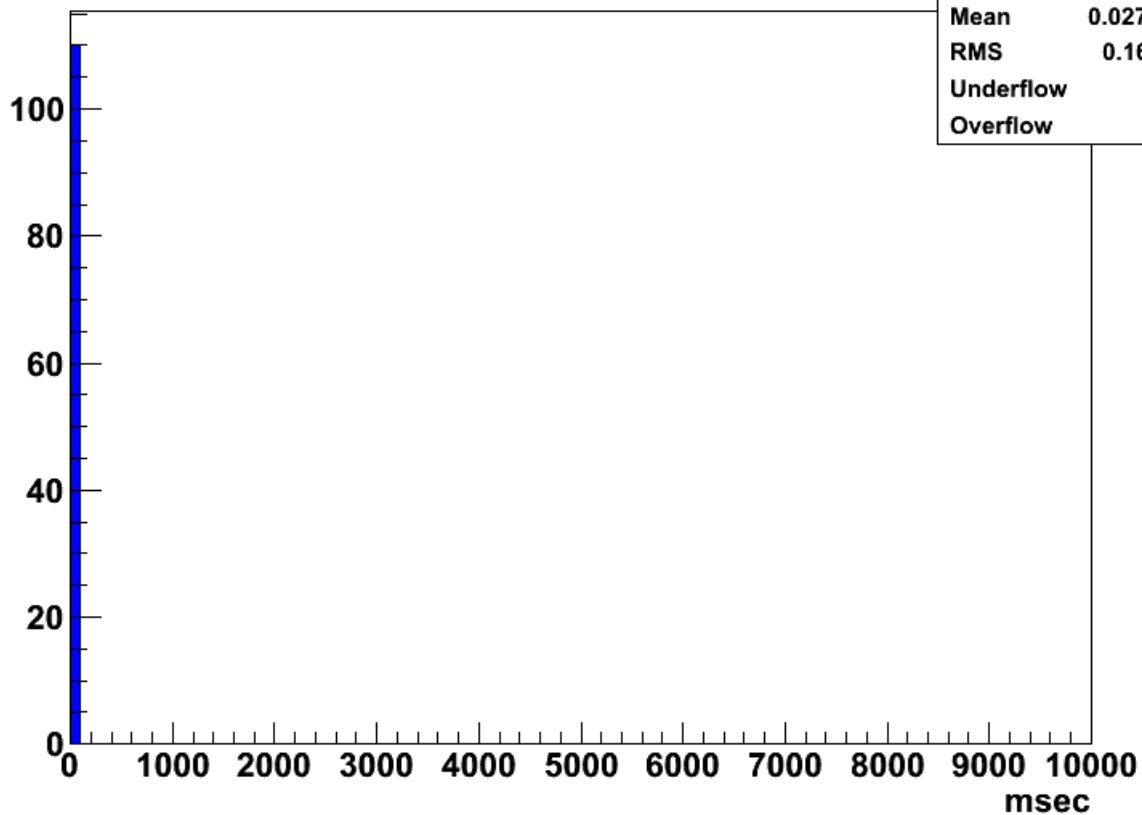
## 2.5.42 hltL1FastJetQuad20HbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltL1FastJetQuad20HbbVBF



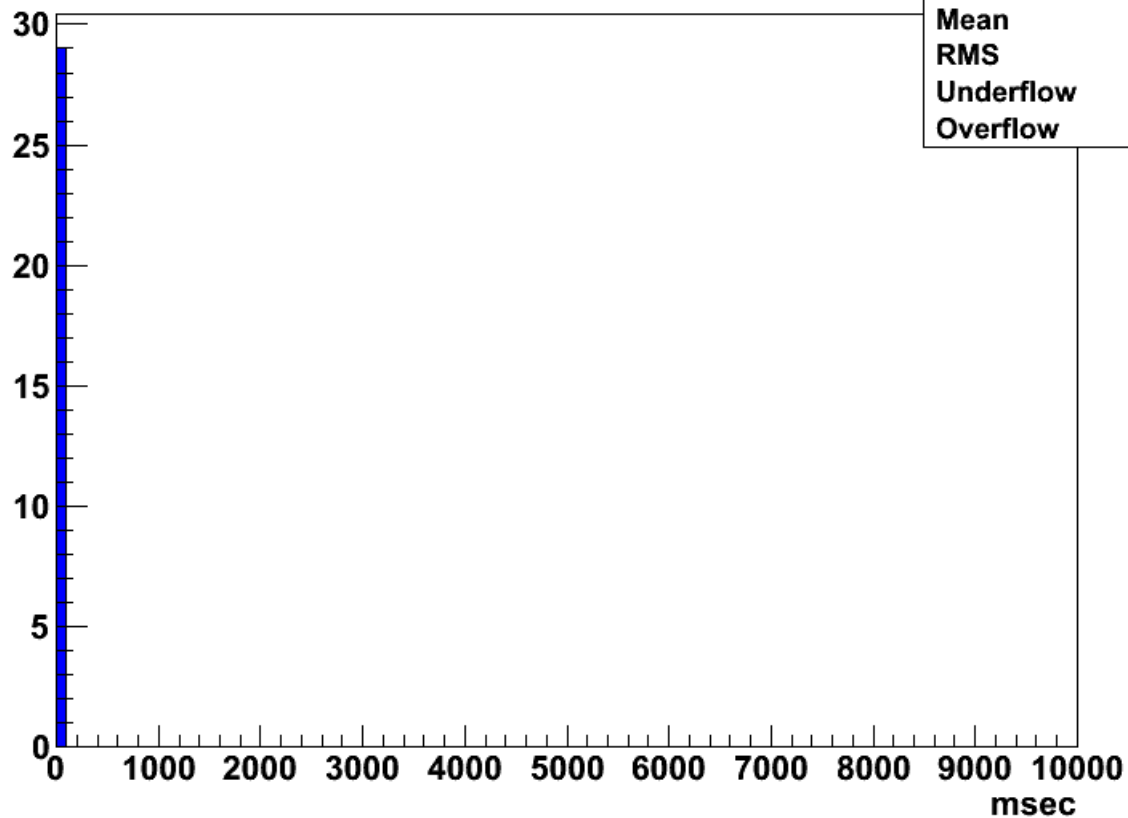
## 2.5.43 hltCaloL1FastJetEtaSortedVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltCaloL1FastJetEtaSortedVBF



## 2.5.44 hltBJetHbbVBF

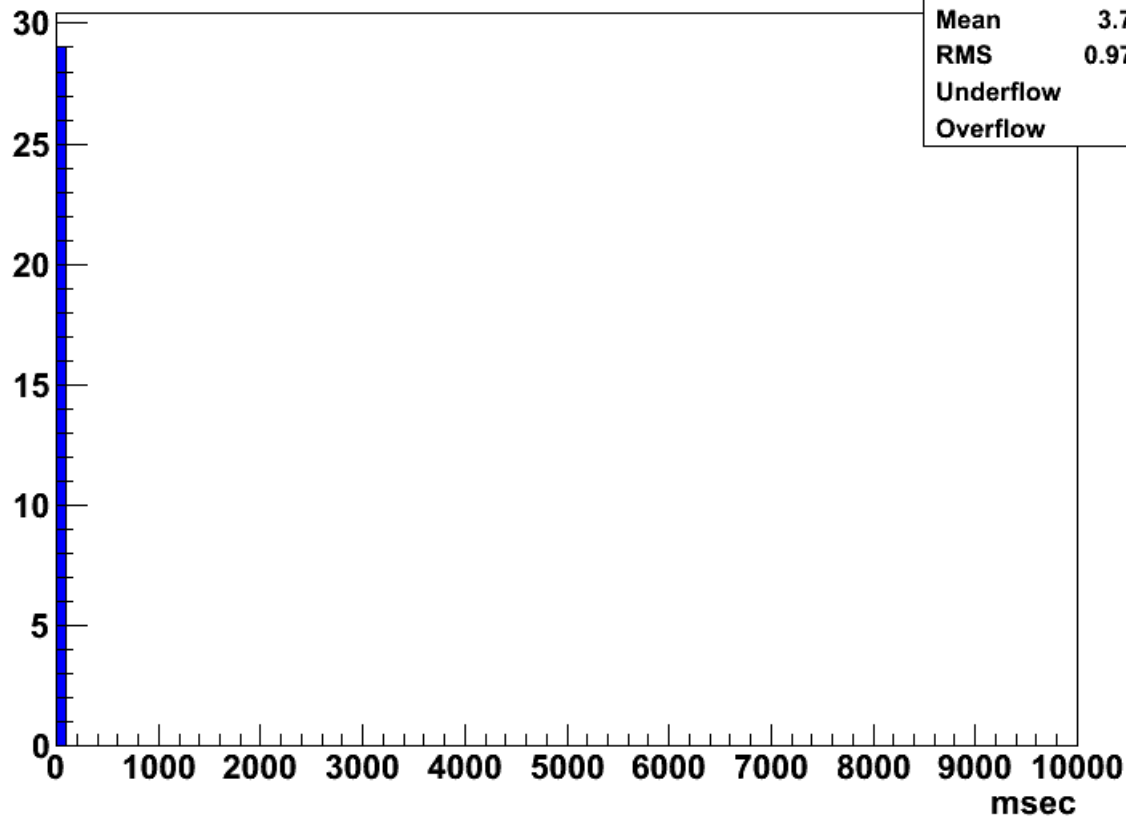
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBJetHbbVBF



Entries	29
Mean	0
RMS	0
Underflow	0
Overflow	0

## 2.5.45 hltSiPixelDigis

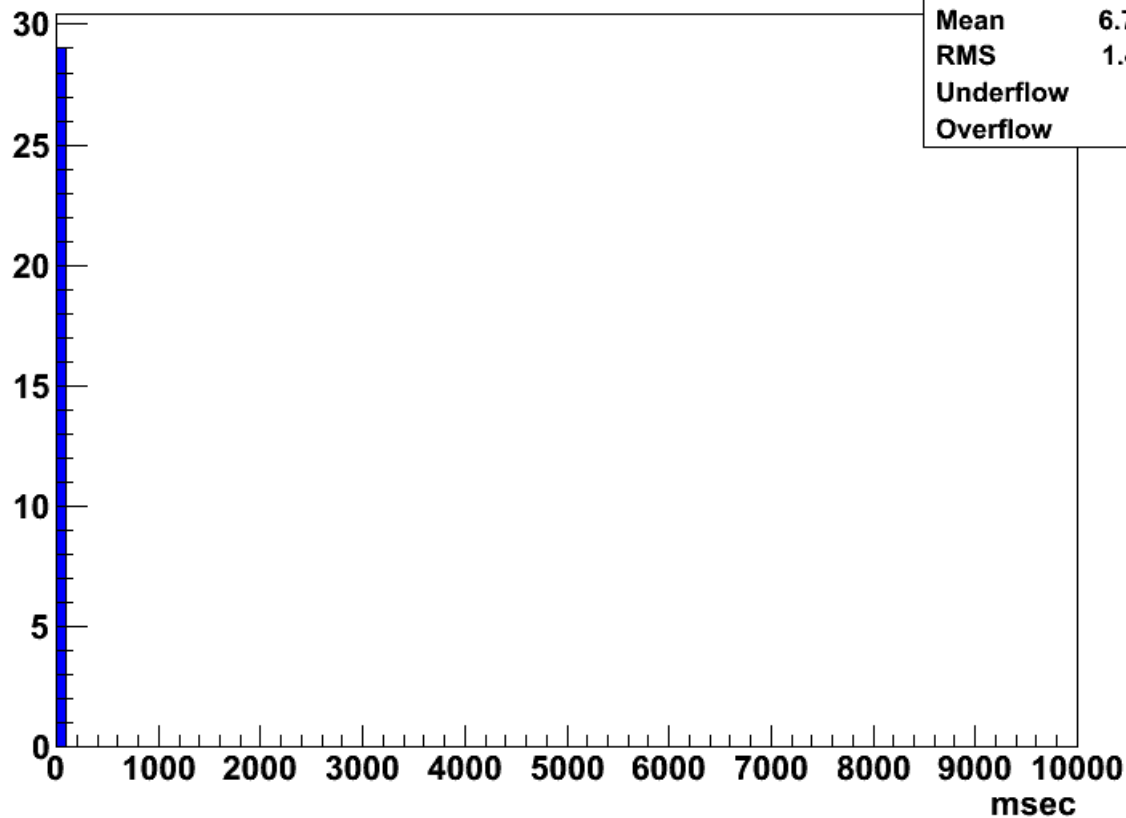
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSiPixelDigis





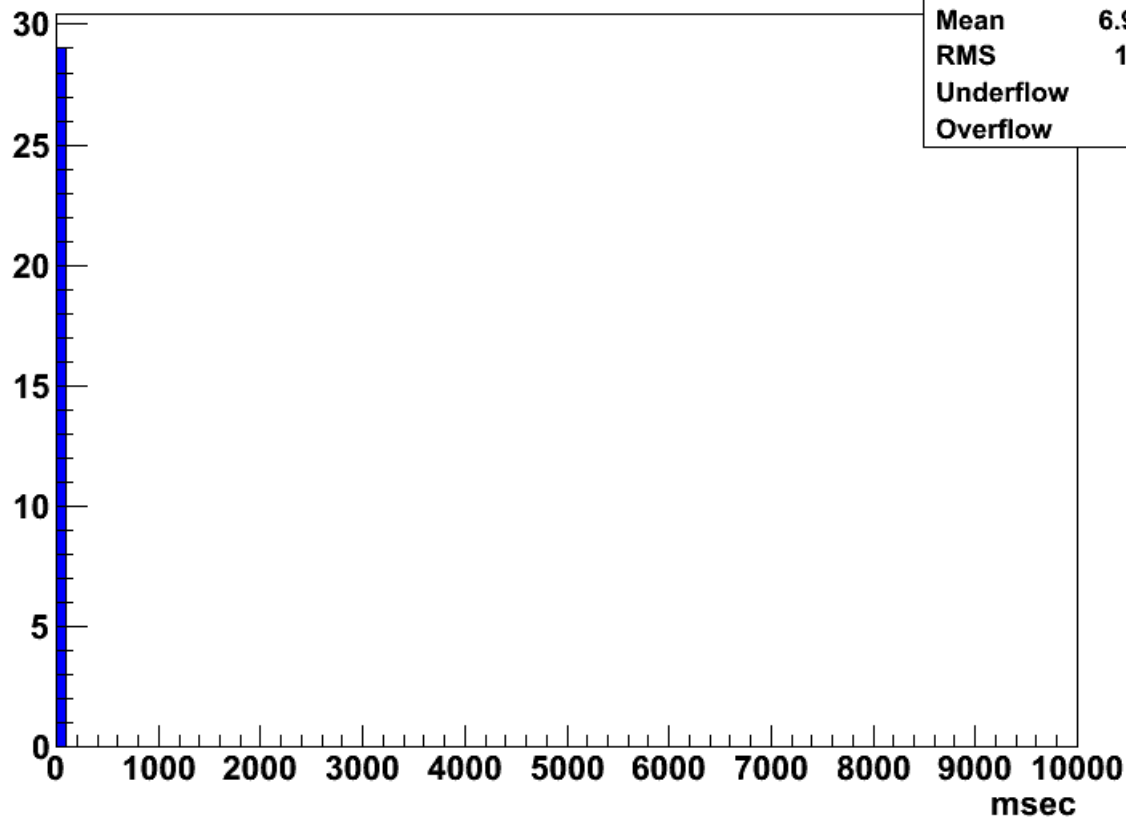
## 2.5.46 hltSiPixelClusters

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSiPixelClusters



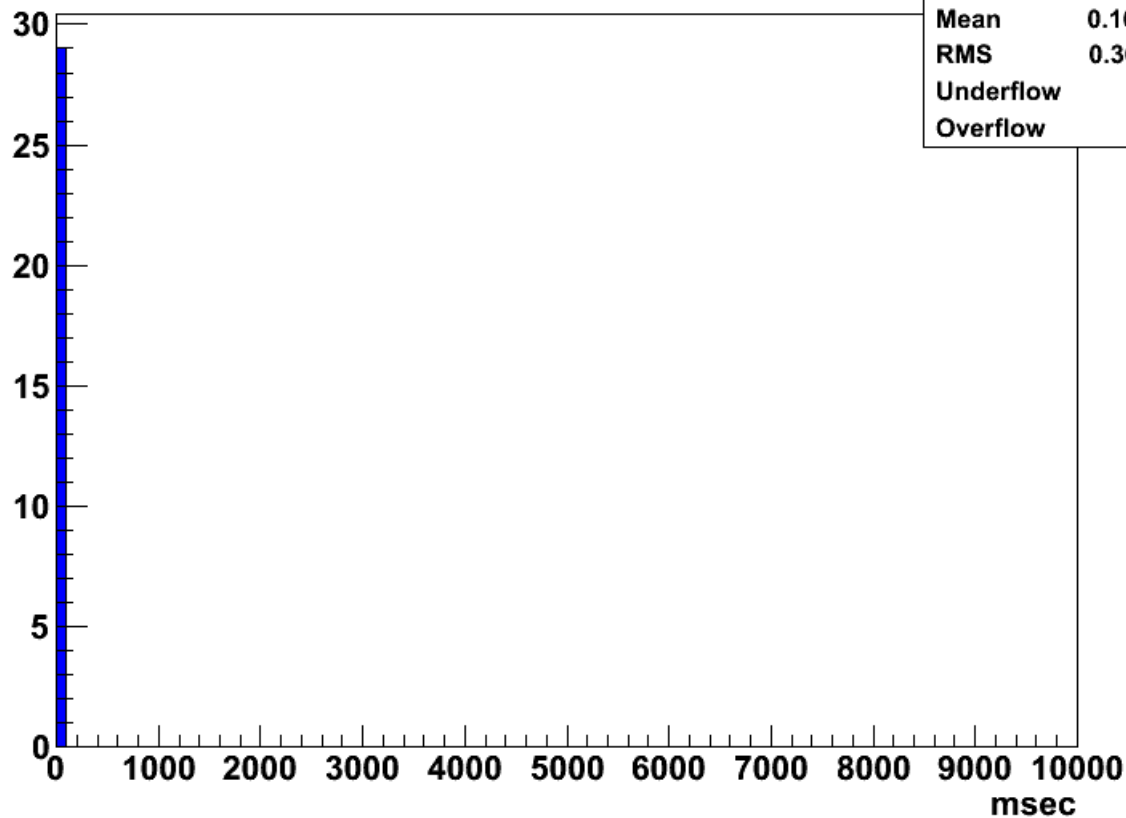
## 2.5.47 hltSiPixelRecHits

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSiPixelRecHits



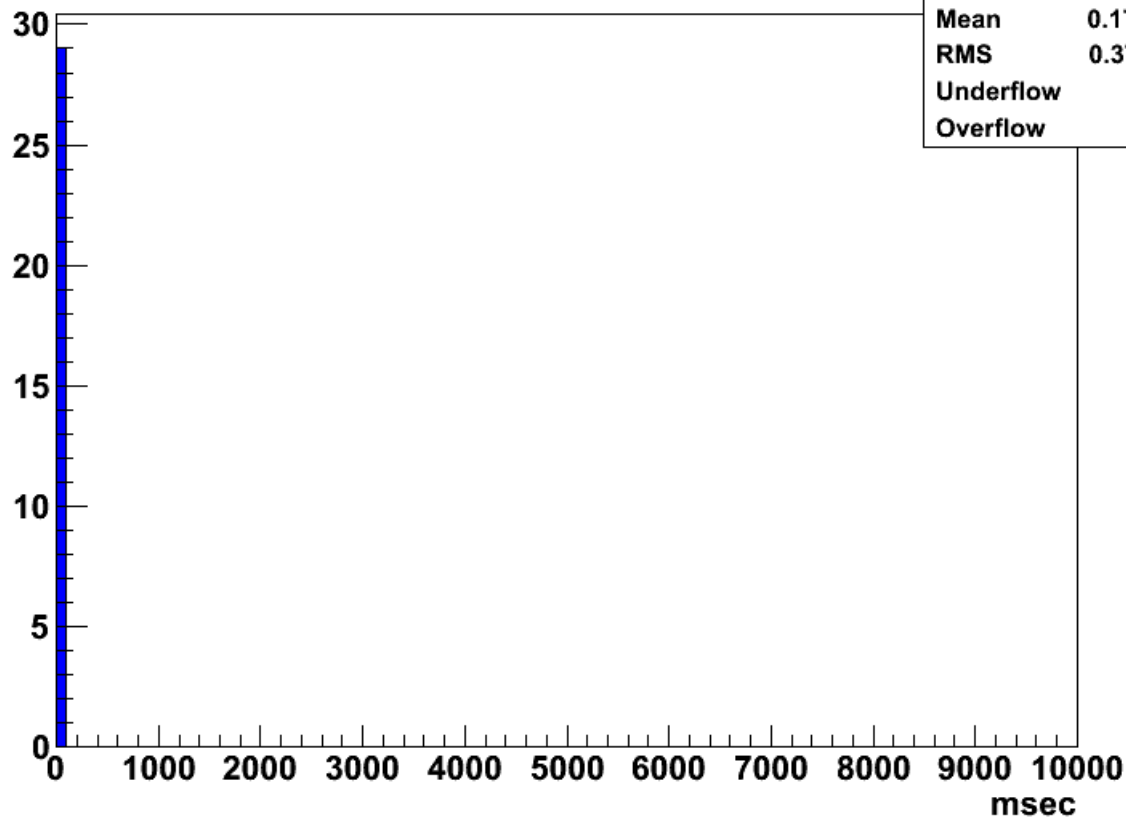
## 2.5.48 hltGetJetsfromBJetHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltGetJetsfromBJetHbbVBF



## 2.5.49 hltSelectorJetsHbbVBF

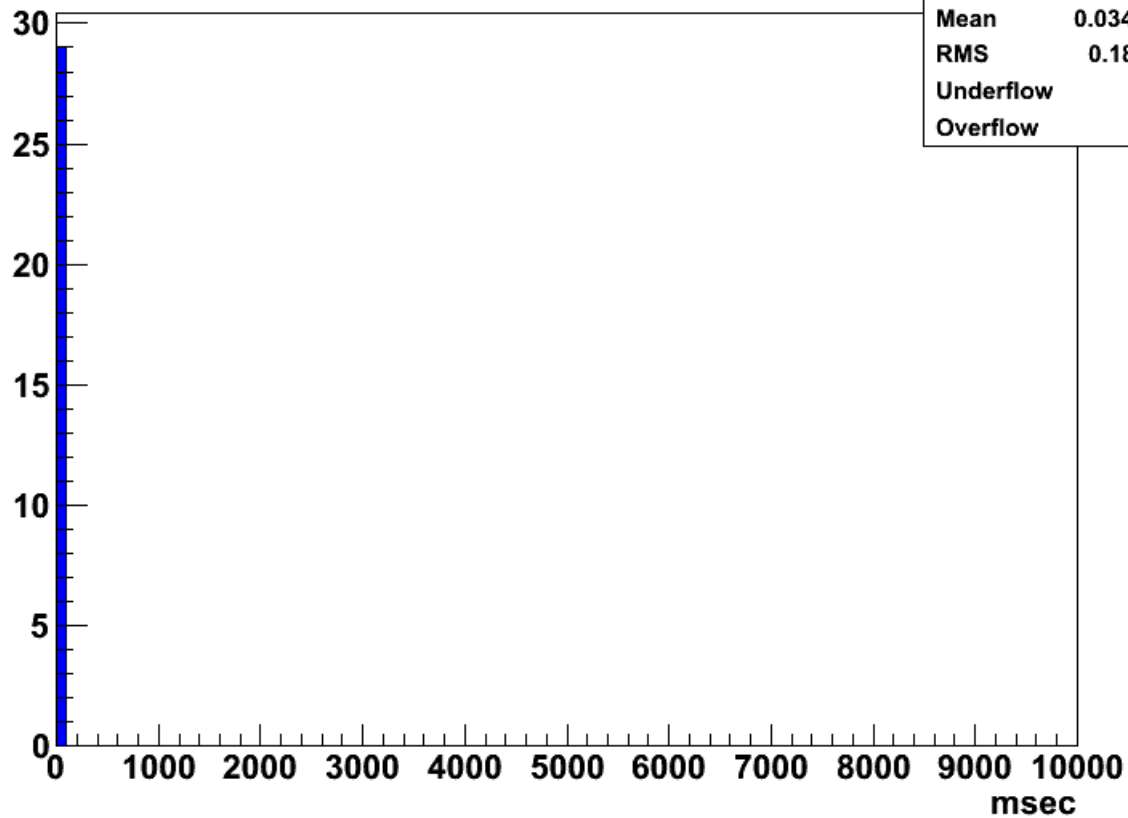
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSelectorJetsHbbVBF



Entries	29
Mean	0.1724
RMS	0.3777
Underflow	0
Overflow	0

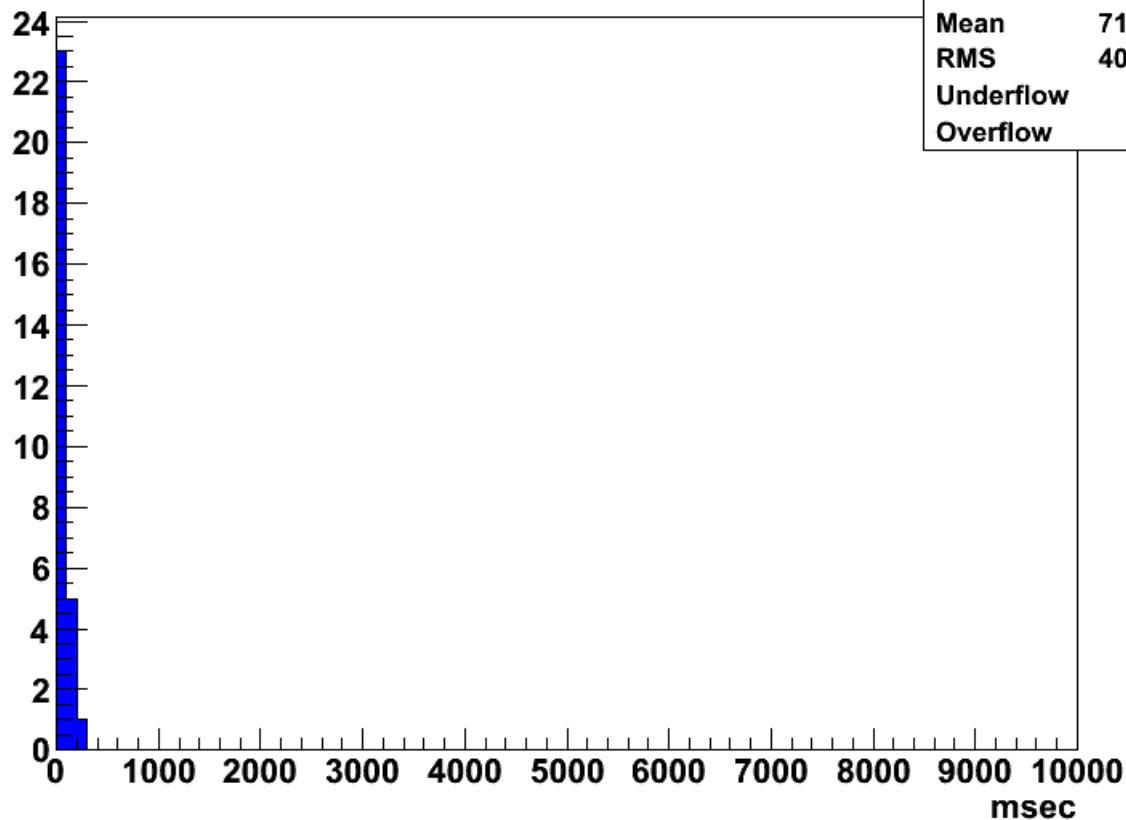
## 2.5.50 hltBLifetimeL25JetsHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL25JetsHbbVBF



## 2.5.51 hltPixelTracks

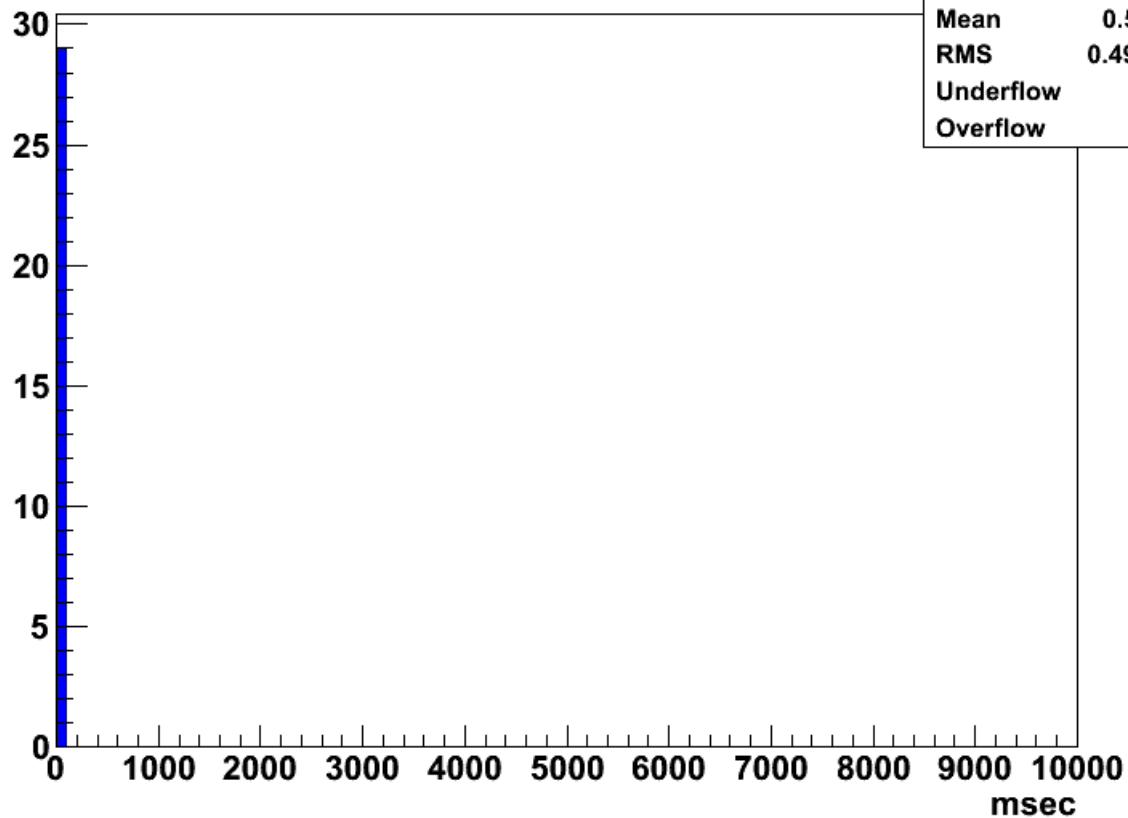
Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltPixelTracks



Entries	29
Mean	71.68
RMS	40.33
Underflow	0
Overflow	0

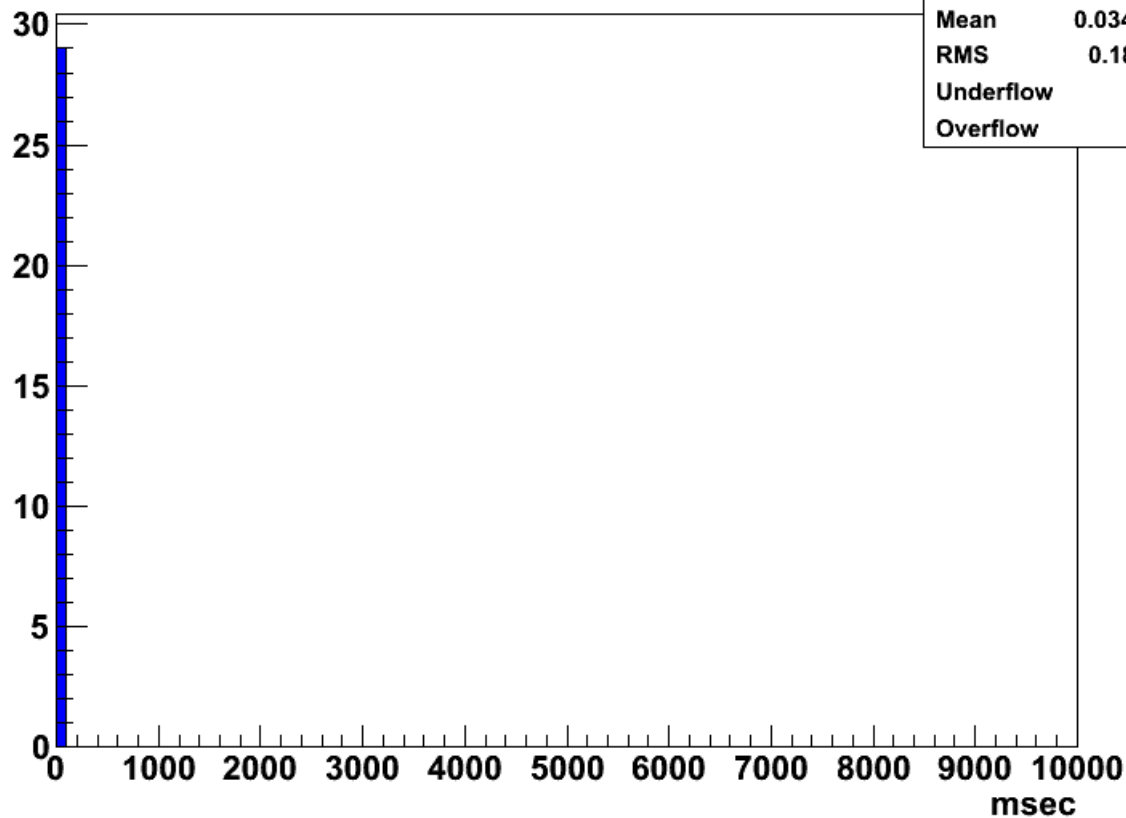
## 2.5.52 hltPixelVertices

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltPixelVertices



## 2.5.53 hltBLifetimeL25AssociatorHbbVBF

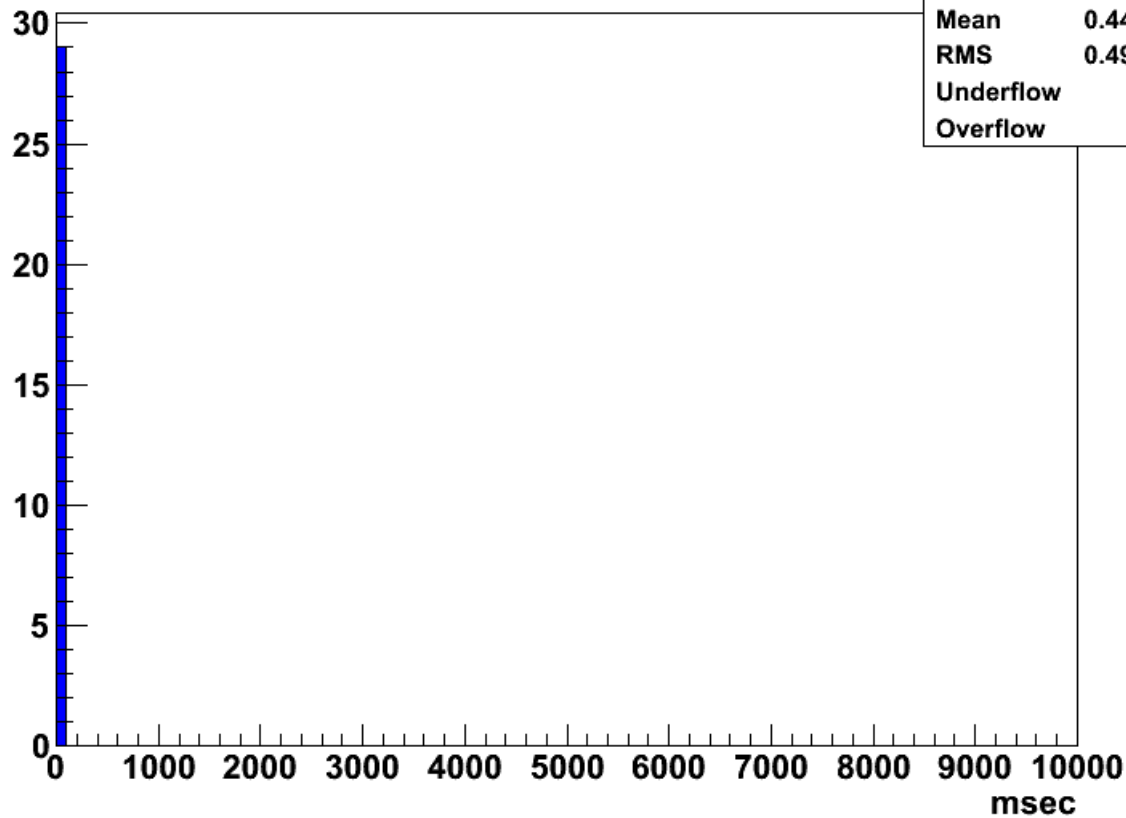
Running time per event for path HLT\_QuadJet75\_55\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL25AssociatorHbbVBF





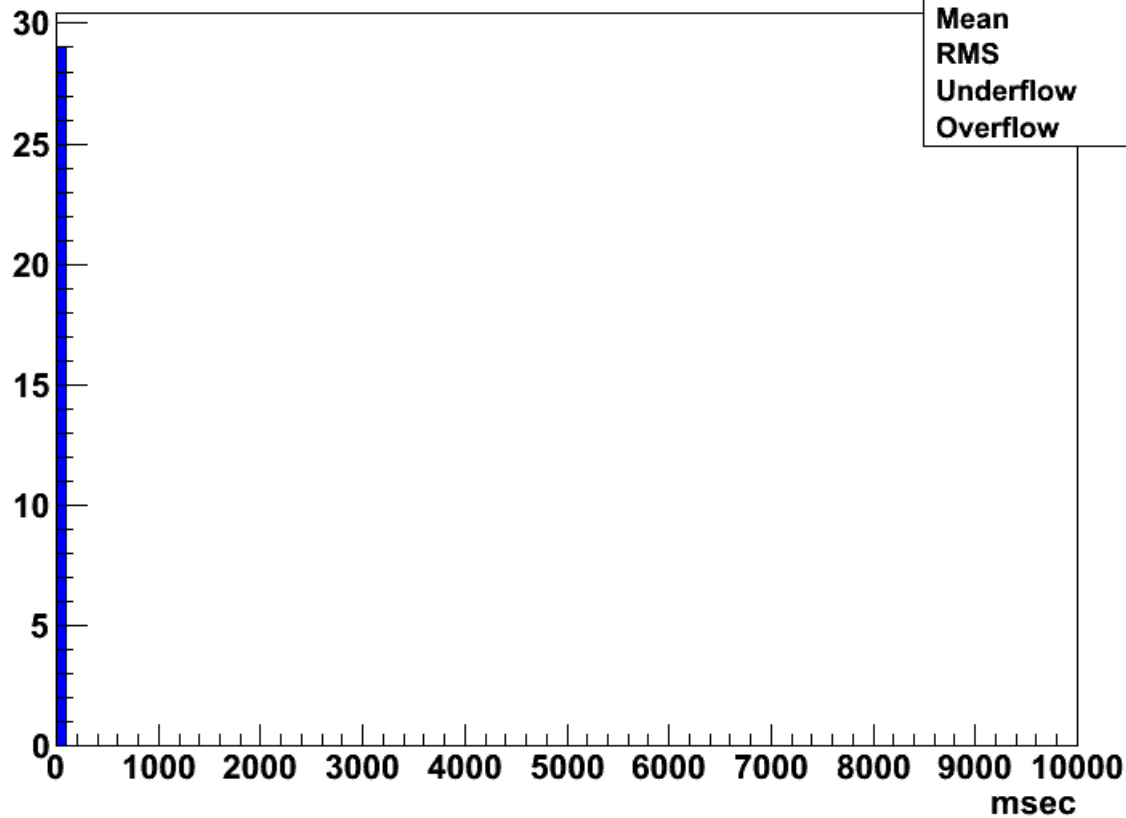
## 2.5.54 hltBLifetimeL25TagInfosHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL25TagInfosHbbVBF



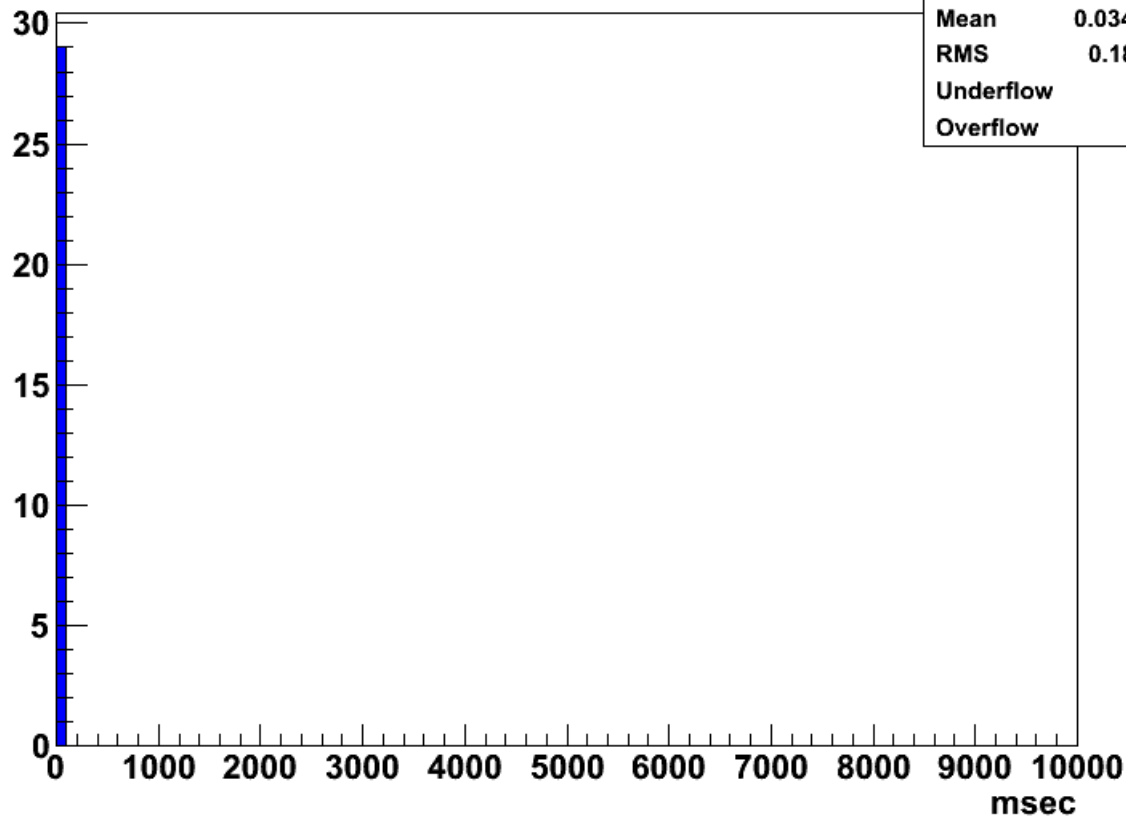
## 2.5.55 hltBLifetimeL25BJetTagsHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL25BJetTagsHbbVBF



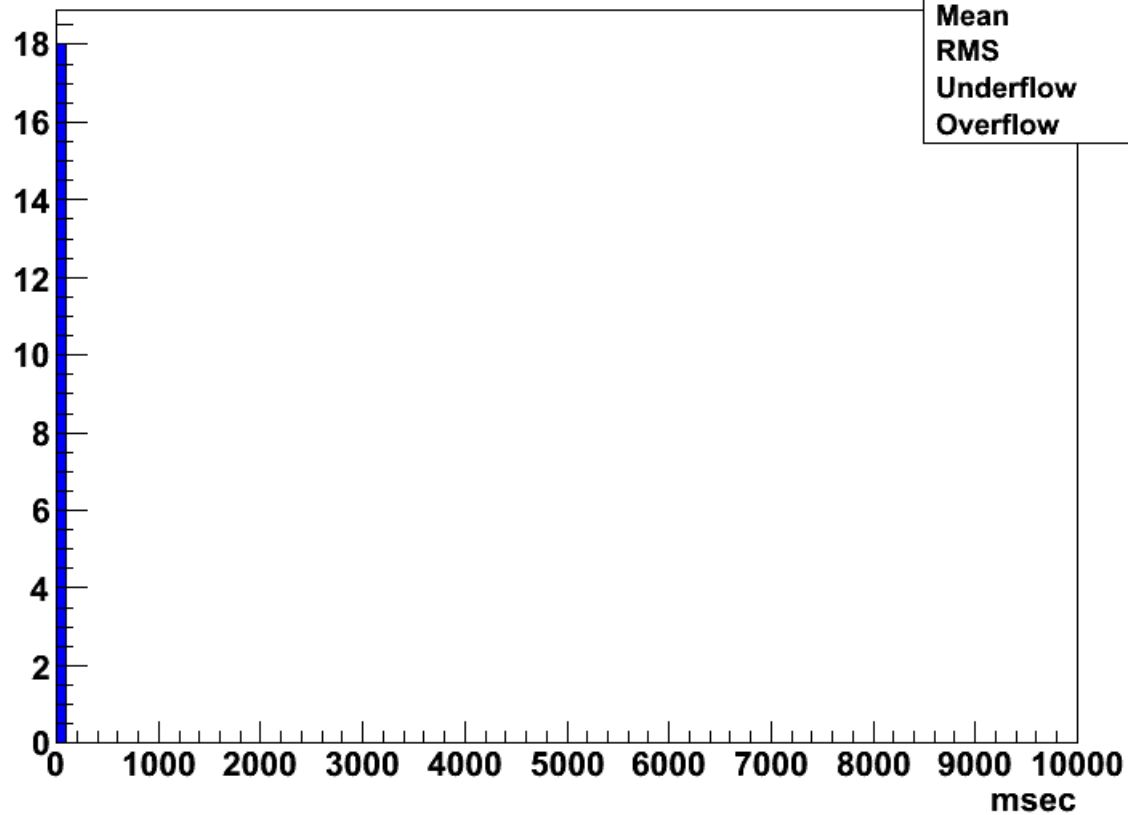
## 2.5.56 hltBLifetime2p5L25FilterHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetime2p5L25FilterHbbVBF



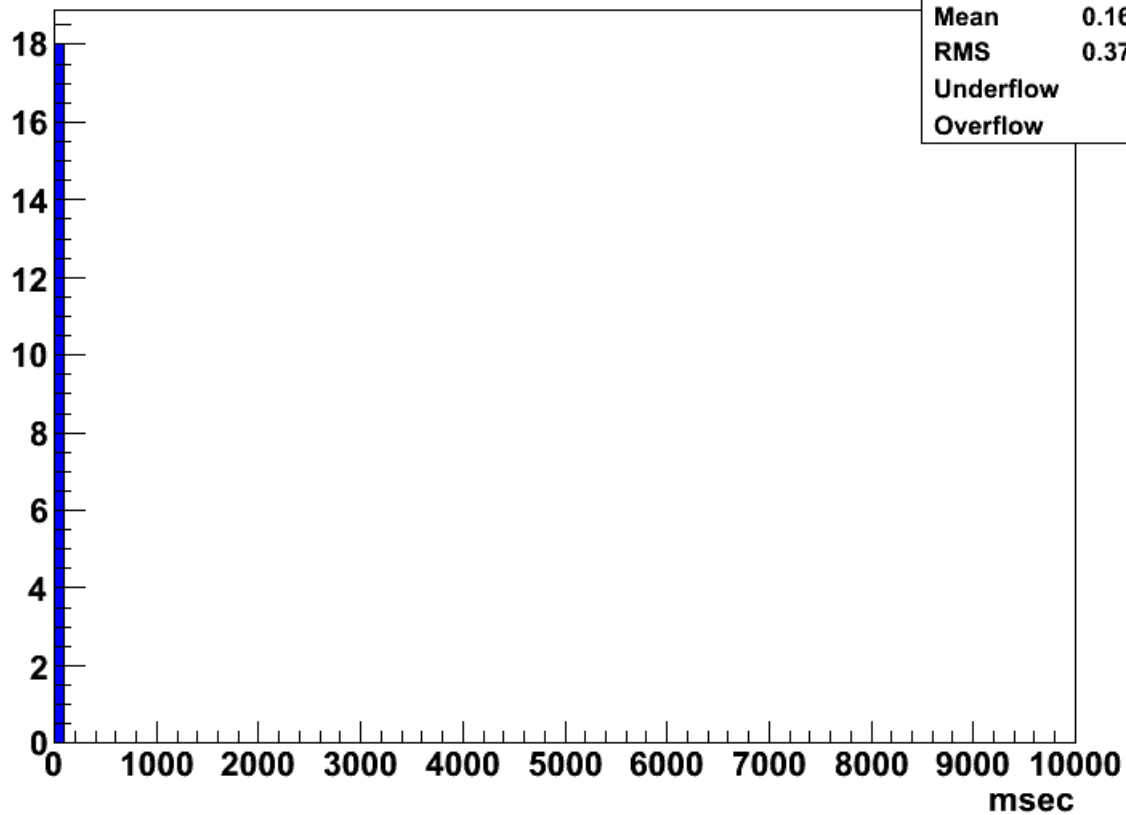
## 2.5.57 hltSiStripExcludedFEDListProducer

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSiStripExcludedFEDListProducer



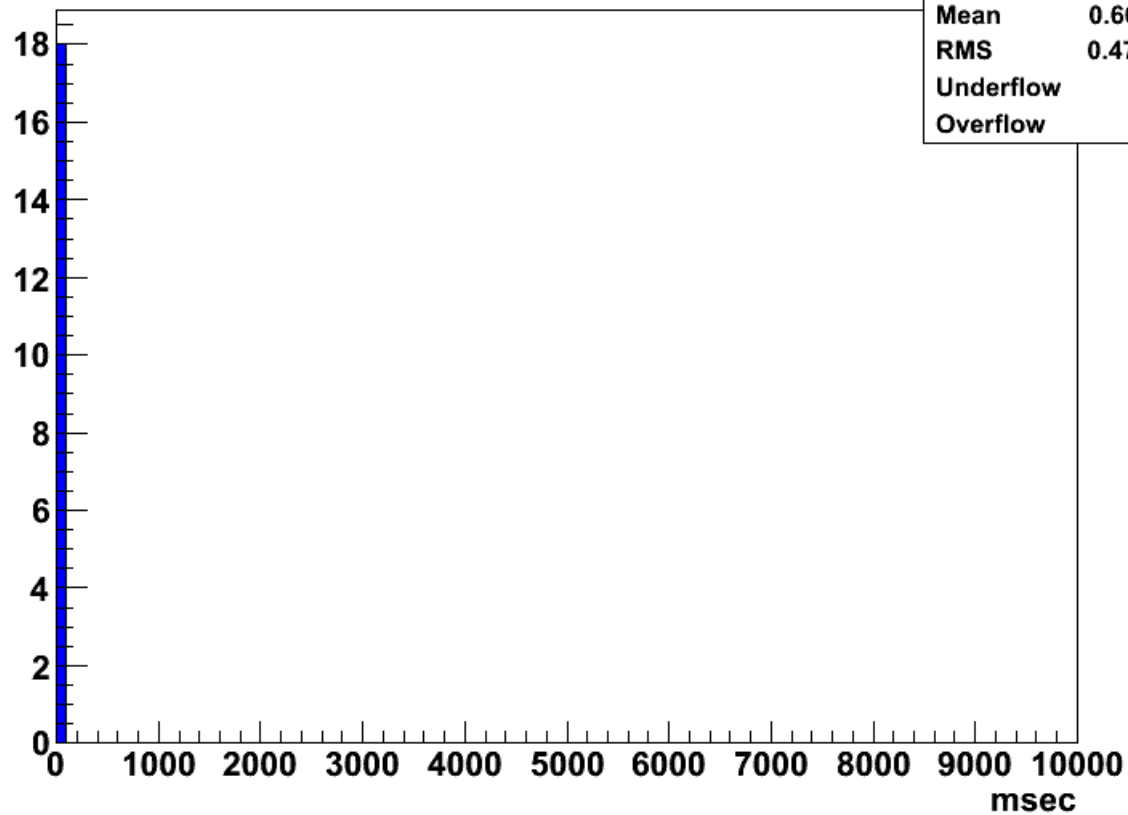
## 2.5.58 hltSiStripRawToClustersFacility

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSiStripRawToClustersFacility



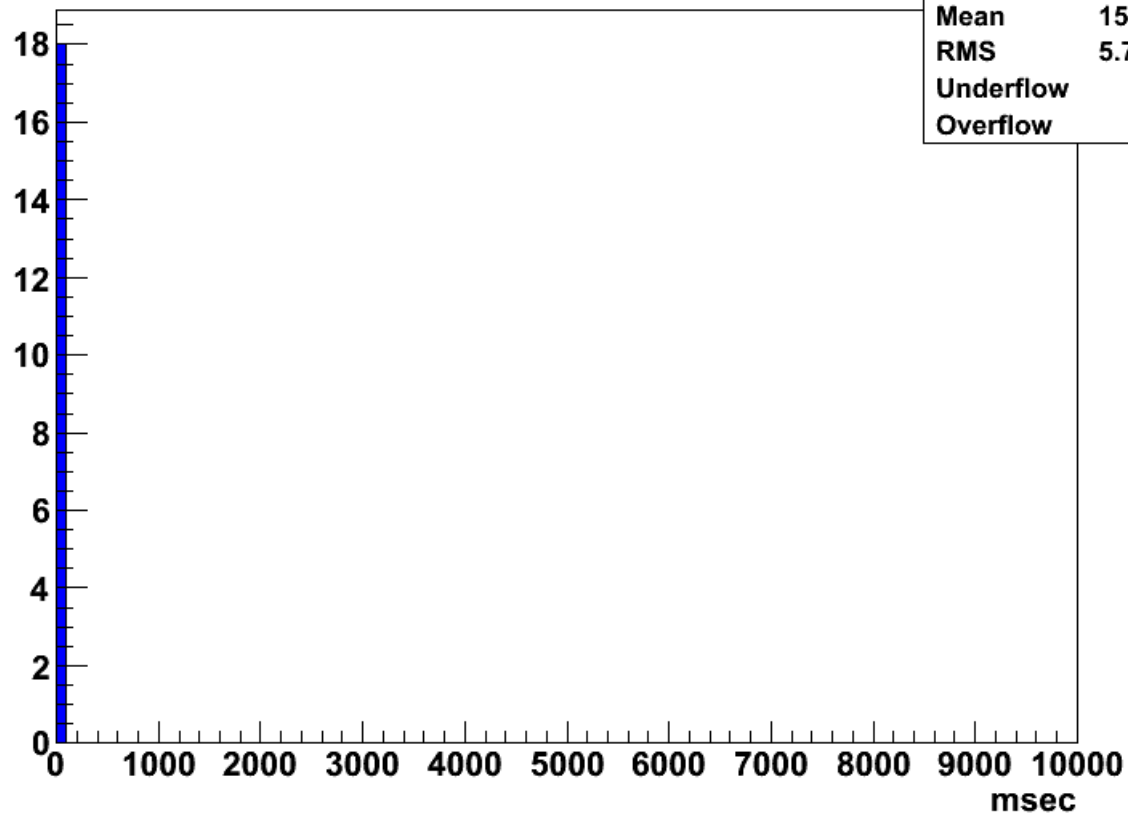
## 2.5.59 hltSiStripClusters

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltSiStripClusters



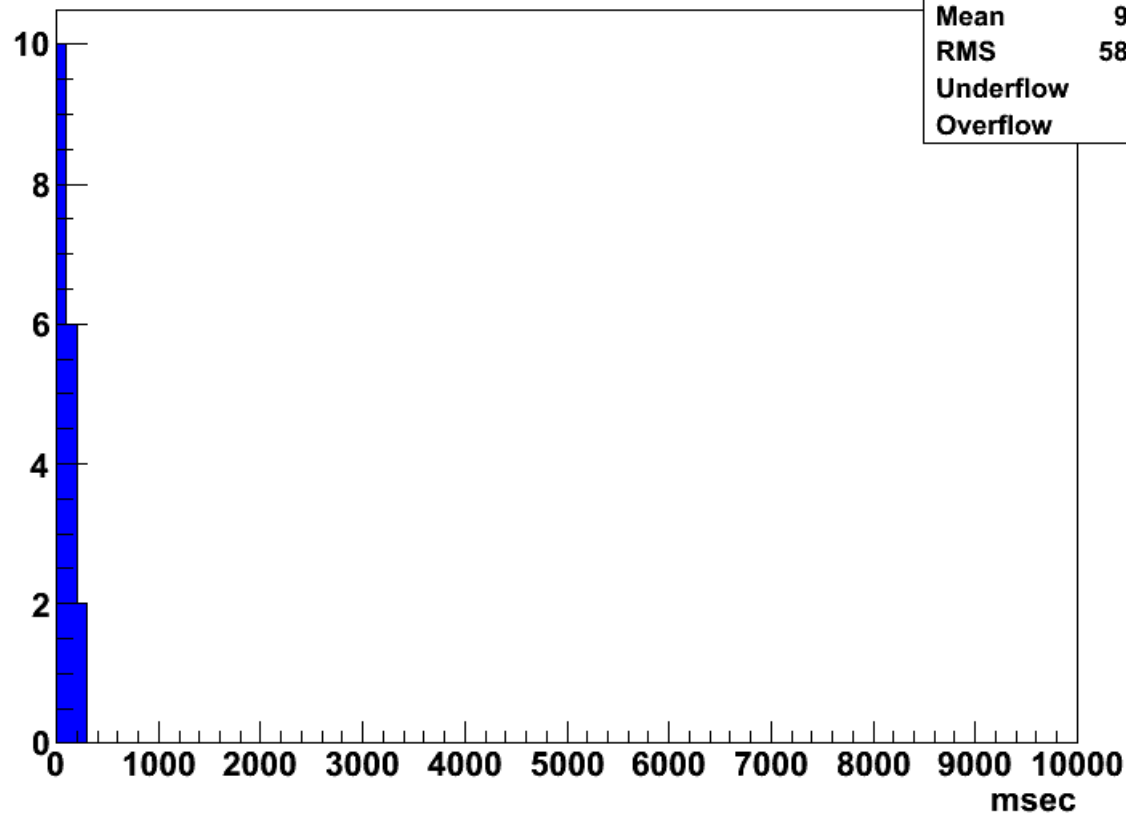
## 2.5.60 hltBLifetimeRegionalPixelSeedGeneratorHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeRegionalPixelSeedGeneratorHbbVBF



## 2.5.61 hltBLifetimeRegionalCkfTrackCandidatesHbbVBF

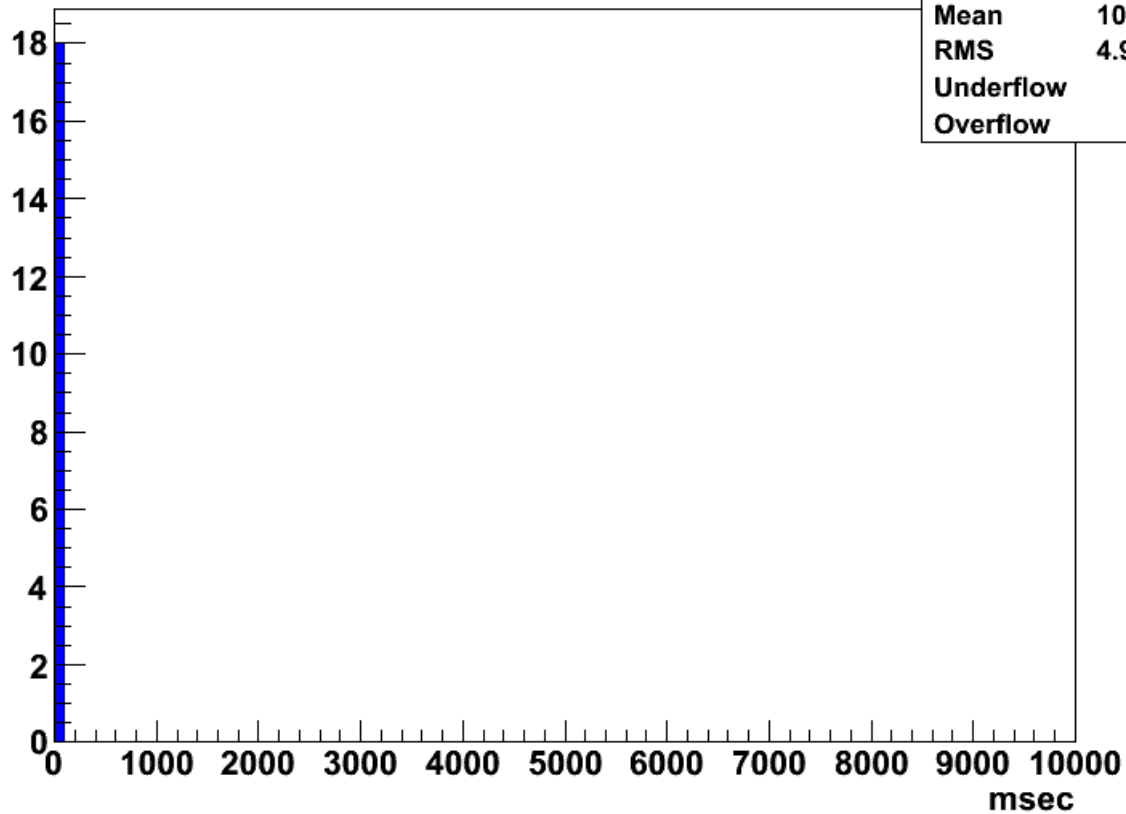
Running time per event for path HLT\_QuadJet175\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeRegionalCkfTrackCandidatesHbbVBF





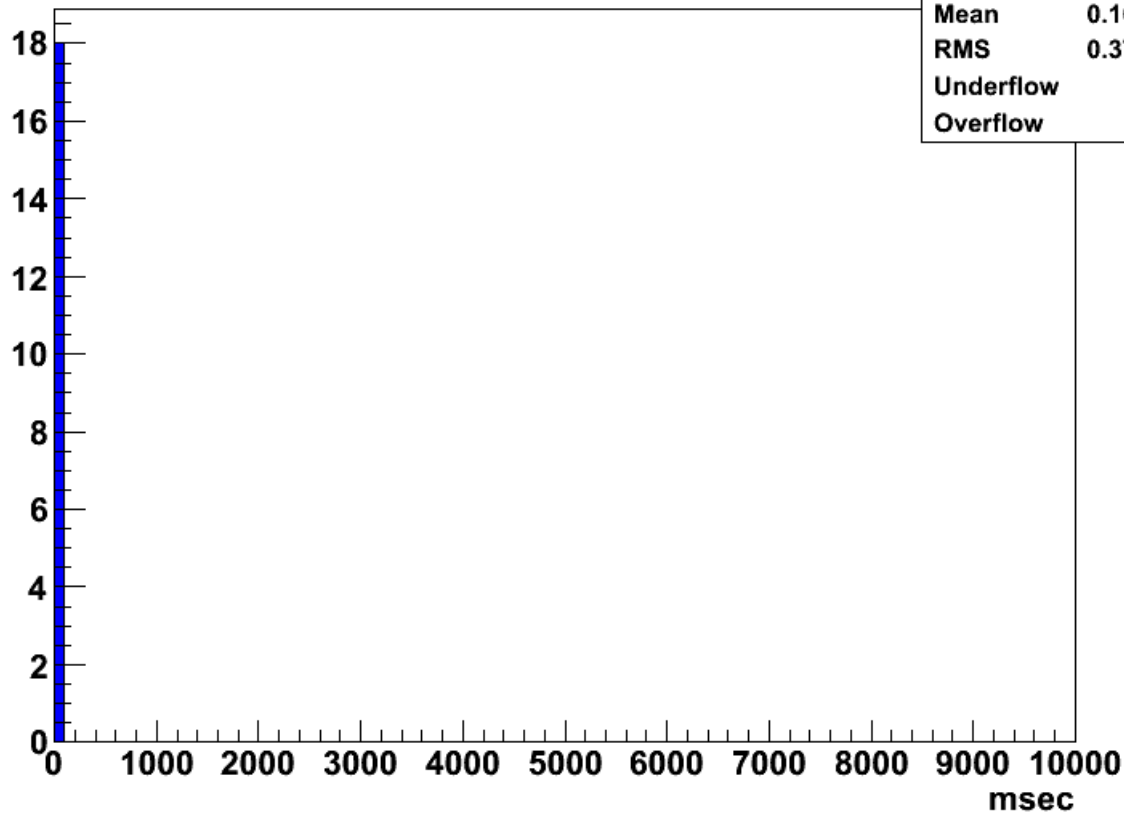
## 2.5.62 hltBLifetimeRegionalCtfWithMaterialTracksHbbVBF

Running time per event for path HLT\_QuadJet175\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeRegionalCtfWithMaterialTracksHbbVBF



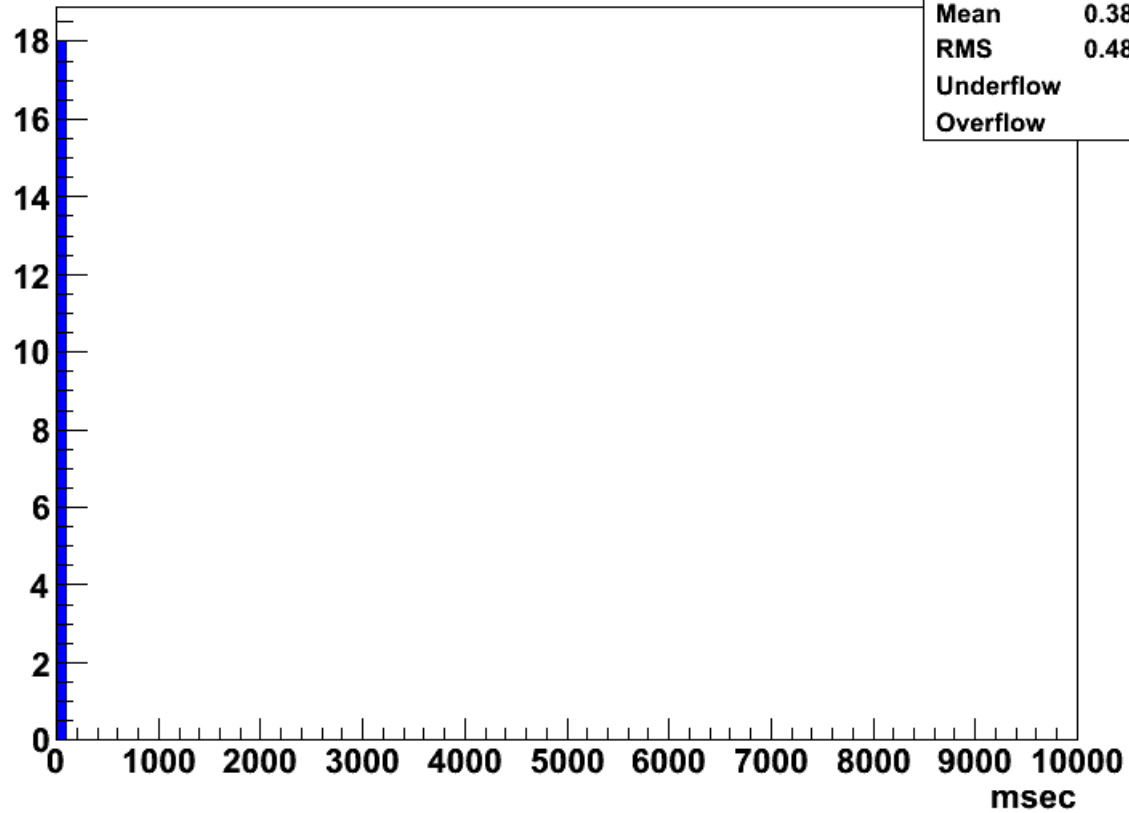
## 2.5.63 hltBLifetimeL3AssociatorbbHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL3AssociatorbbHbbVBF



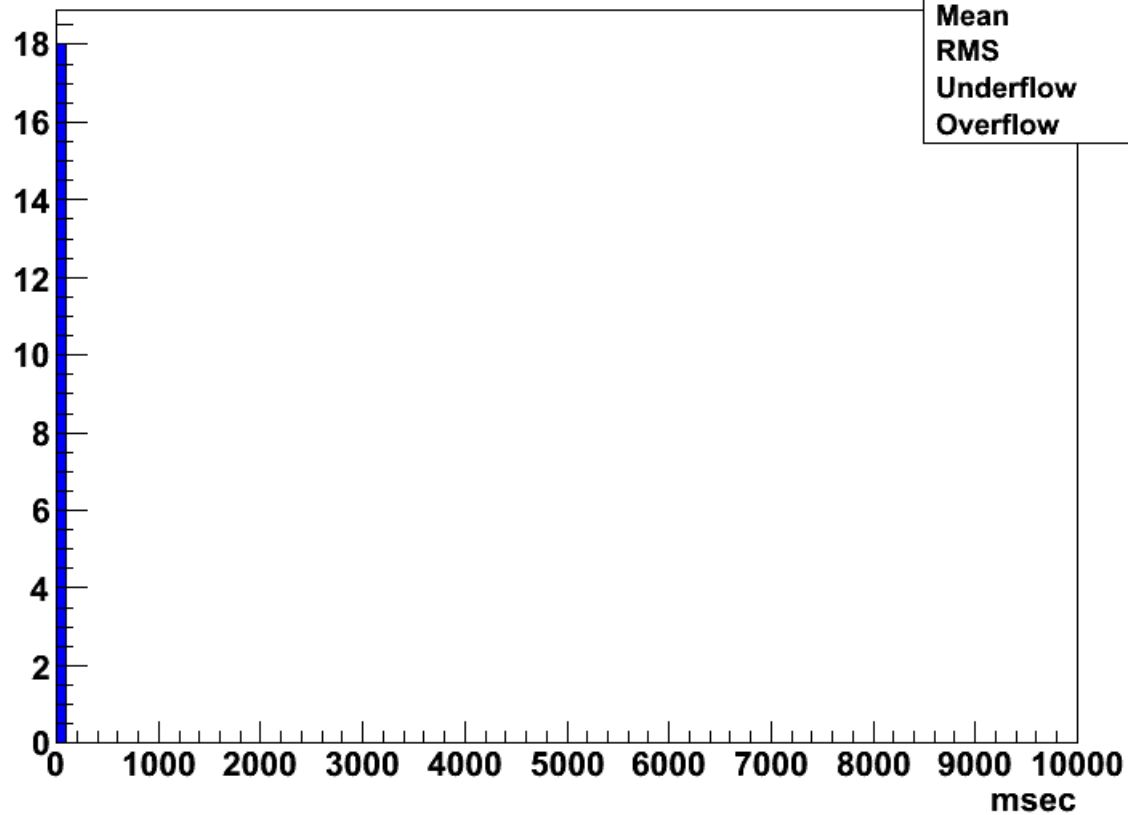
## 2.5.64 hltBLifetimeL3TagInfosHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL3TagInfosHbbVBF



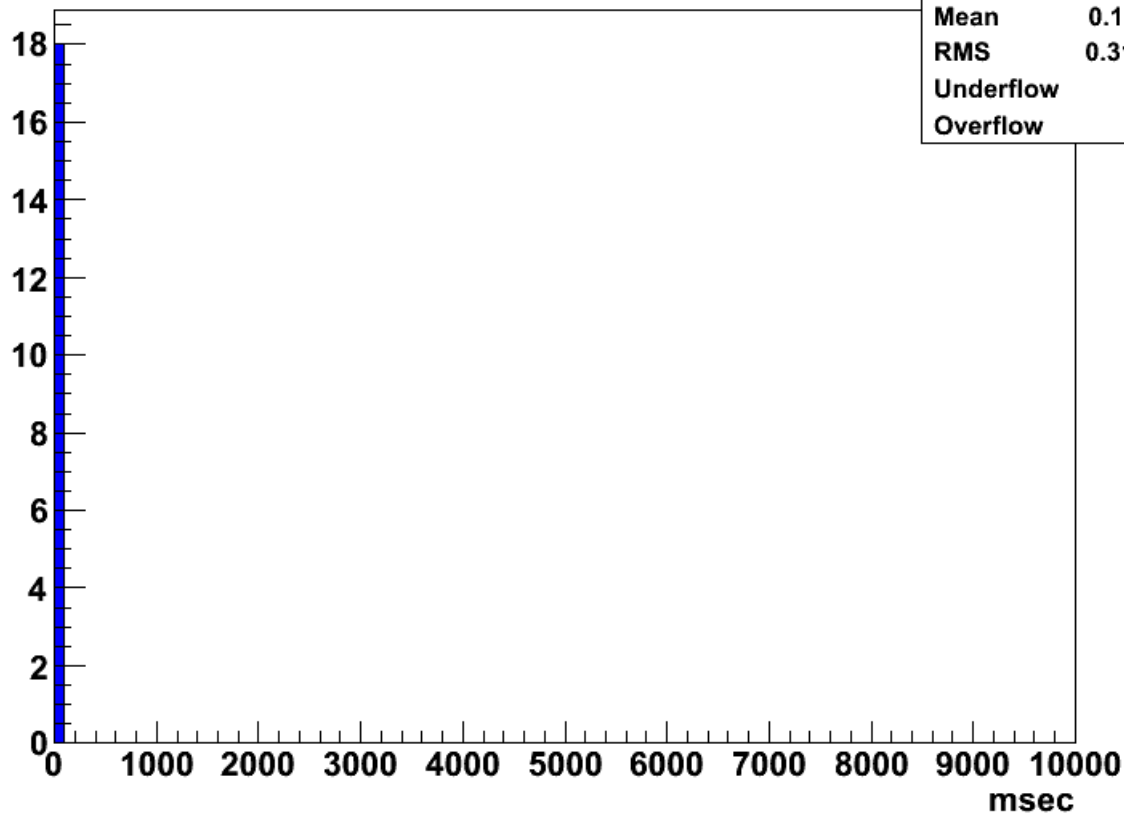
## 2.5.65 hltBLifetimeL3BJetTagsHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltBLifetimeL3BJetTagsHbbVBF



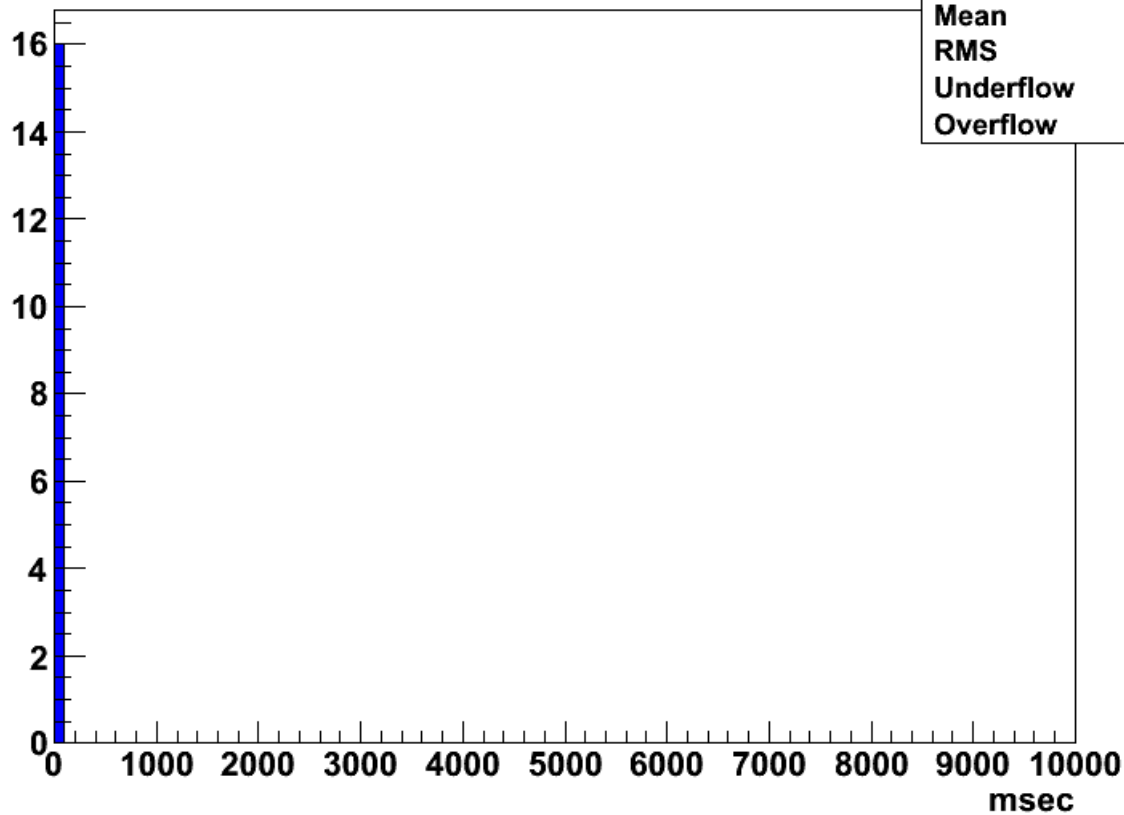
## 2.5.66 hltBLifetime6p8L3FilterHbbVBF

Running time per event for path HLT\_QuadJet75\_55\_20\_BTagIP\_VBF\_v7, module hltBLifetime6p8L3FilterHbbVBF



## 2.5.67 hltCaloL1FastJetBTagSortedVBF

Running time per event for path HLT\_QuadJet75\_55\_35\_20\_BTagIP\_VBF\_v7, module hltCaloL1FastJetBTagSortedVBF



Entries	16
Mean	0
RMS	0
Underflow	0
Overflow	0