HLT Timing Summary 1

Main Info +

HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT_MediumIsoPFTau20_v6 info

CMS Experiment

November 29, 2011

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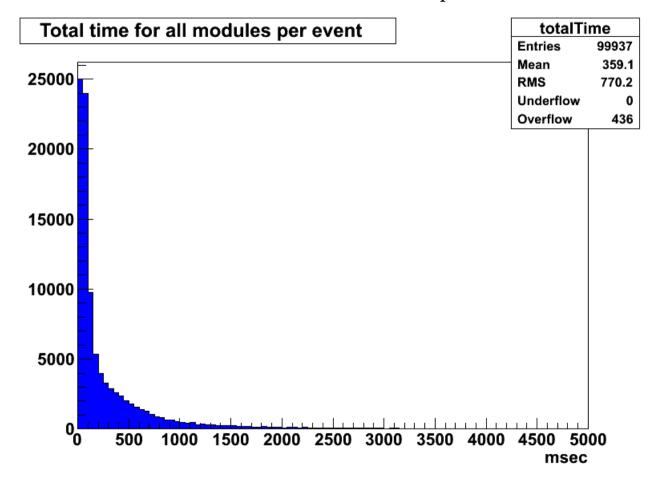
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Chapter 1

Main Info

1.1 Total time for all modules per event

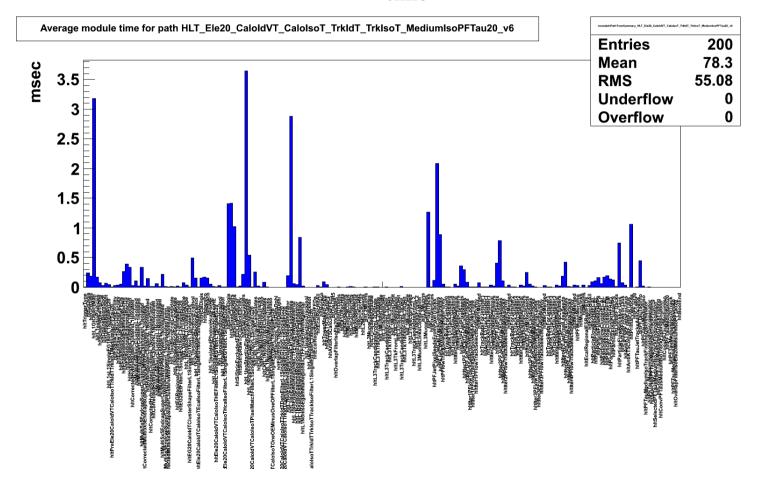


Chapter 2

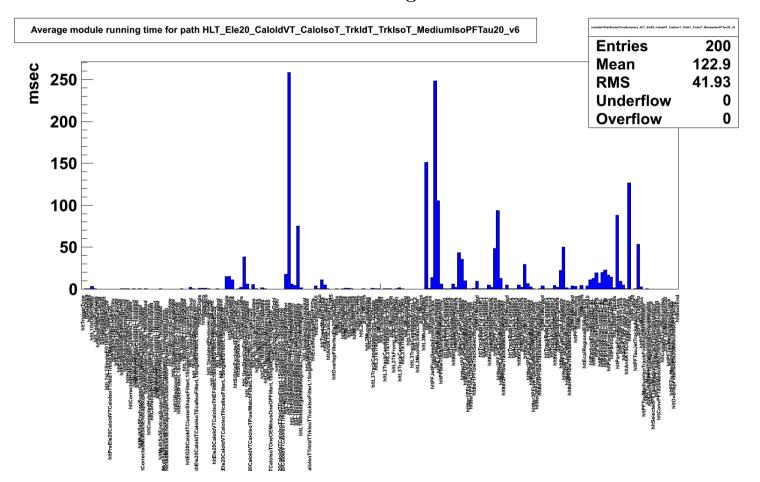
 $HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT$

Info

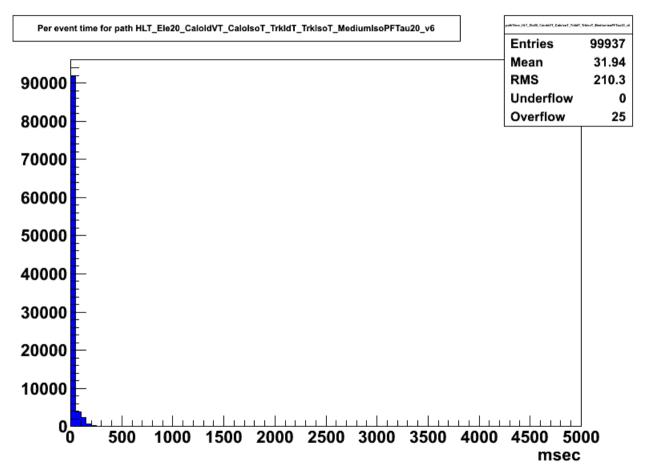
 $2.1 \quad Average \ module \ in \\ HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT_MediumIsoPFTau20_v6 \\ time$



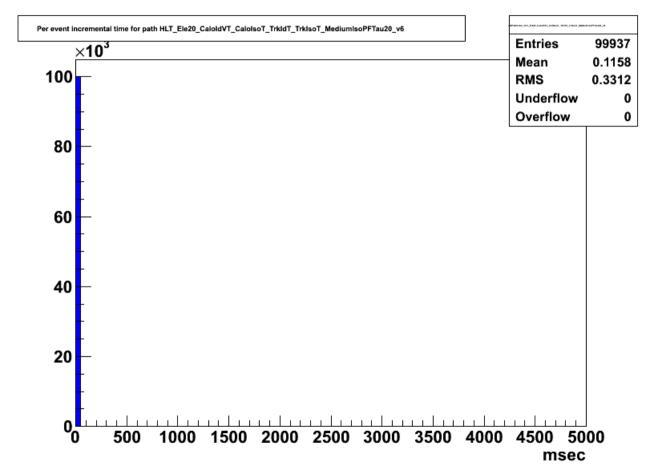
 $2.2 \quad Average \ module \ in \\ HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT_MediumIsoPFTau20_v6 \\ running \ time$



2.3 Per event time for HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT_MediumIsoPFTau20_v6

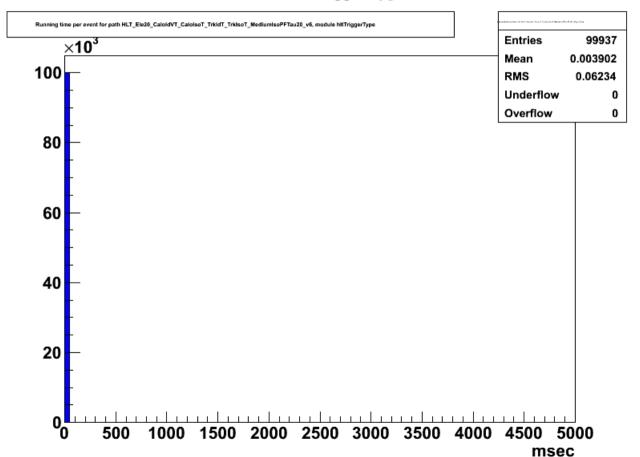


2.4 Per event incremental time for HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT_MediumIsoPFTau20_v6

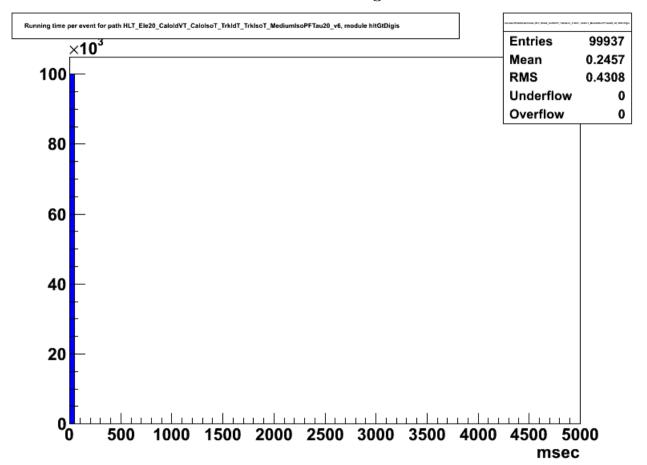


2.5 Running time per event for HLT_Ele20_CaloIdVT_CaloIsoT_TrkIdT_TrkIsoT_MediumIsoPFTau20_v6

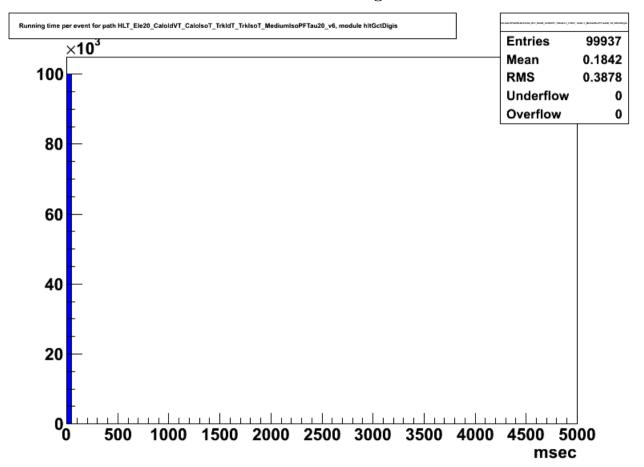
2.5.1 hltTriggerType



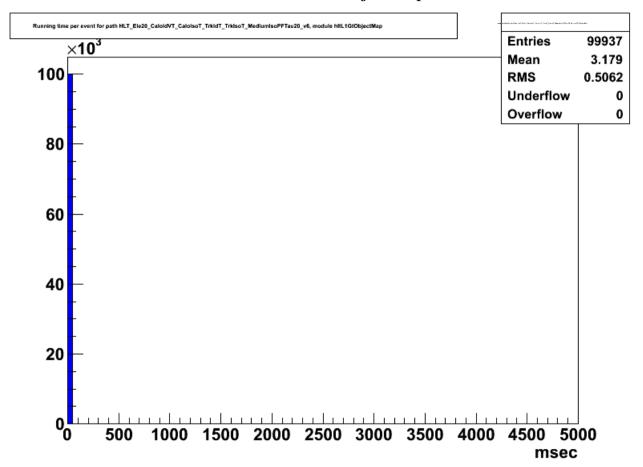
2.5.2 hltGtDigis



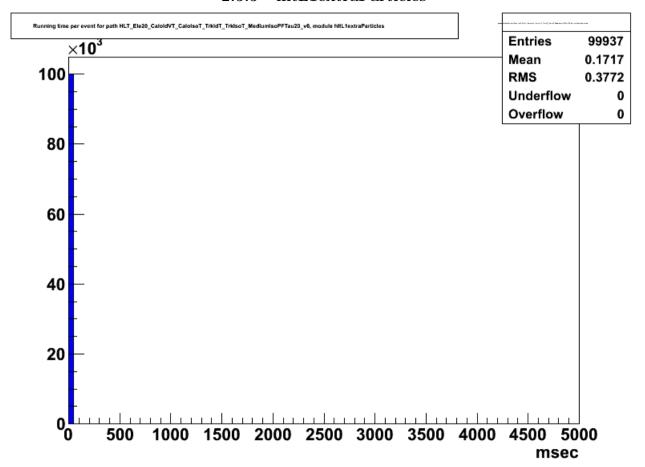
2.5.3 hltGctDigis



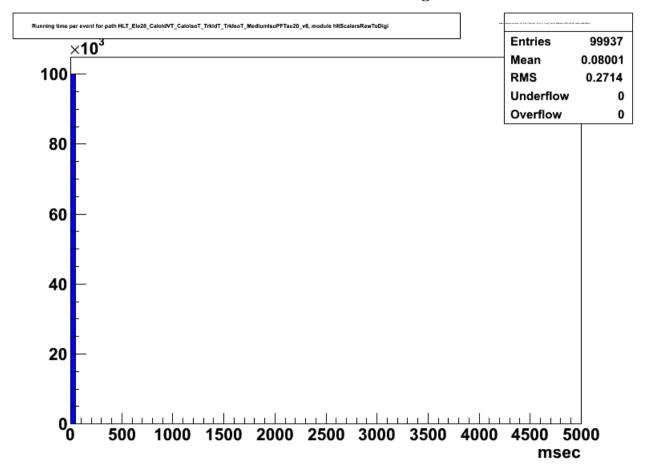
2.5.4 hltL1GtObjectMap



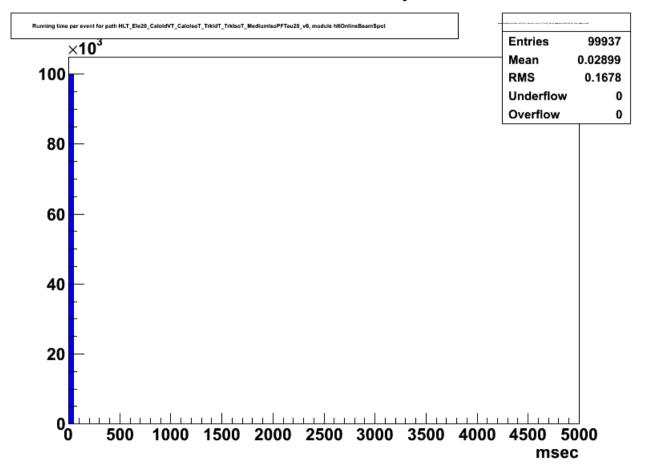
2.5.5 hltL1extraParticles



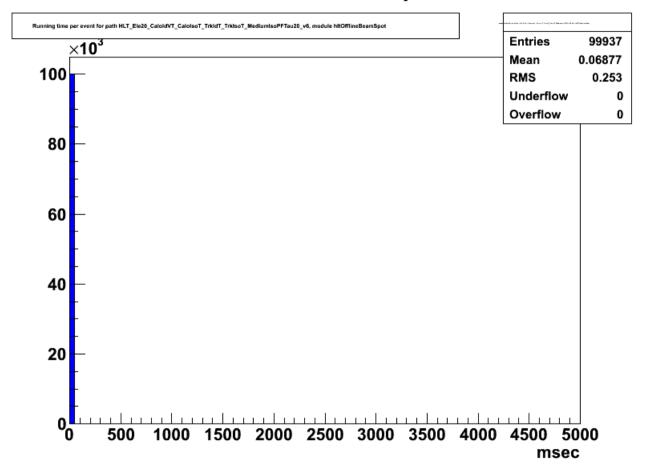
2.5.6 hltScalersRawToDigi



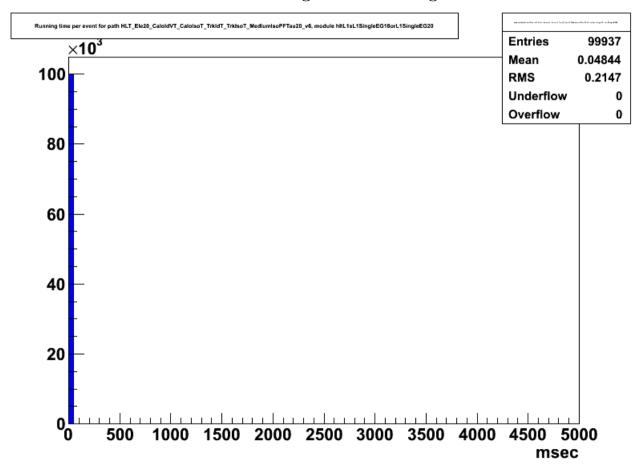
2.5.7 hltOnlineBeamSpot



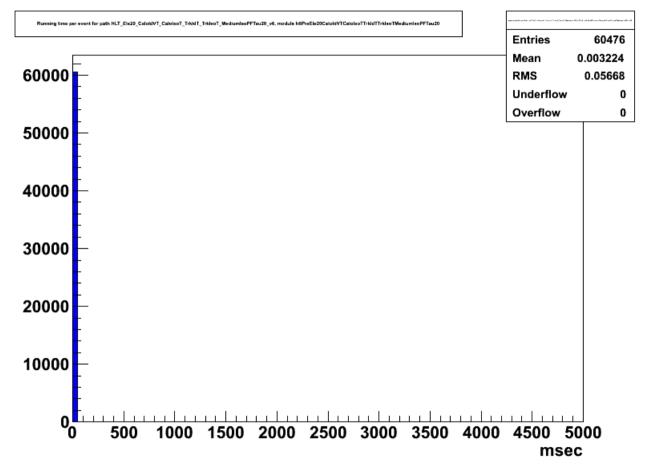
2.5.8 hltOfflineBeamSpot



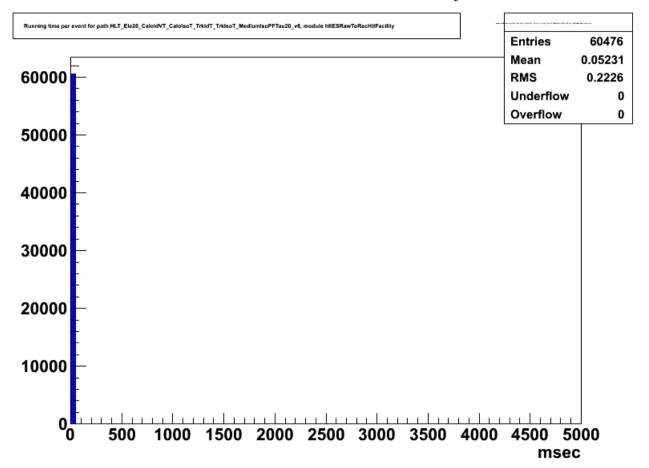
$2.5.9 \quad hltL1sL1SingleEG18 or L1SingleEG20$



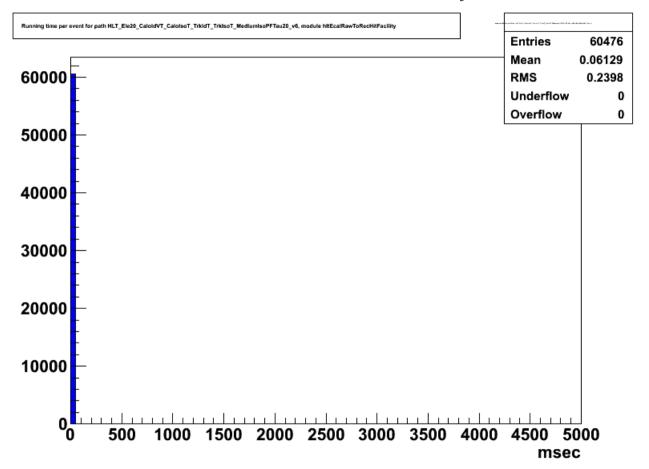
${\bf 2.5.10} \quad hlt Pre Ele 20 Calo Id VT Calo Iso TTrk Id TTrk Iso TMe dium Iso PFT au 20$



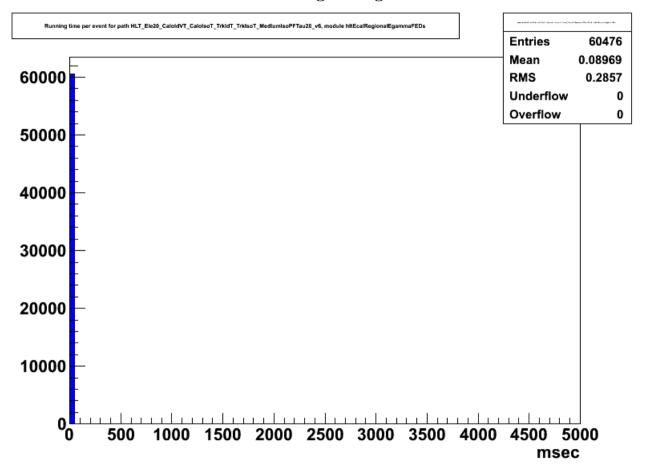
2.5.11 hltESRawToRecHitFacility



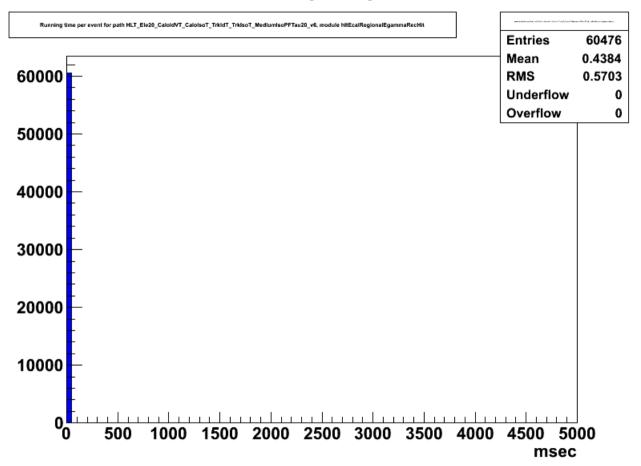
2.5.12 hltEcalRawToRecHitFacility



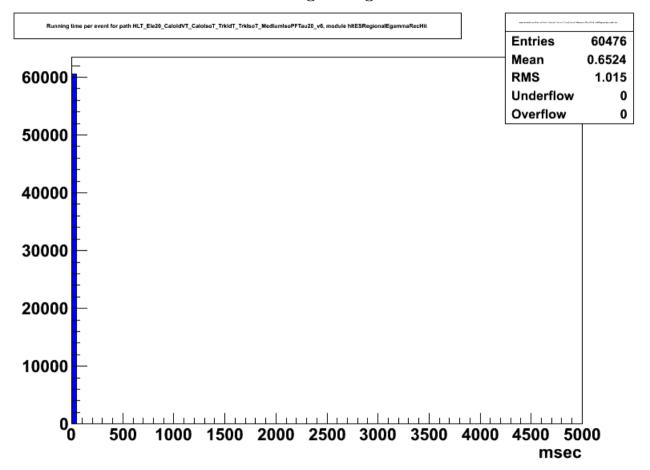
 ${\bf 2.5.13}\quad hlt Ecal Regional Egamma FEDs$



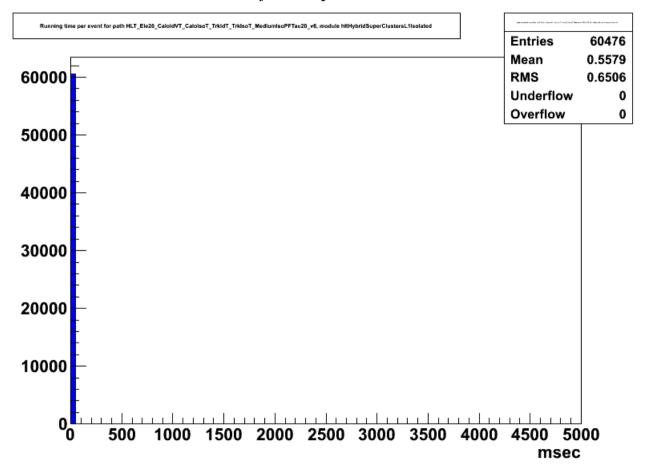
2.5.14 hltEcalRegionalEgammaRecHit



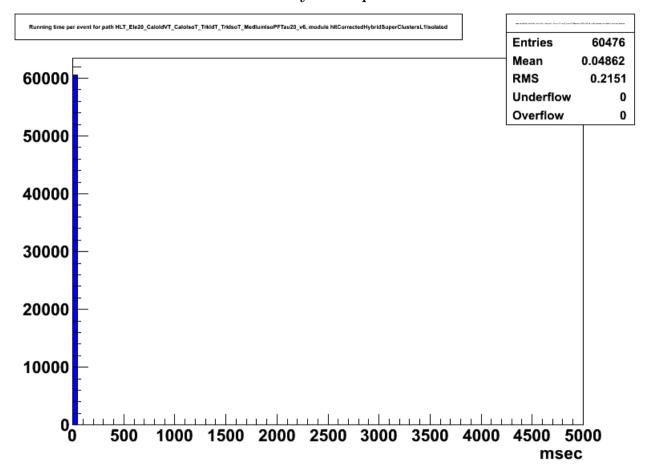
 $2.5.15 \quad hlt ESRegional Egamma Rec Hit$



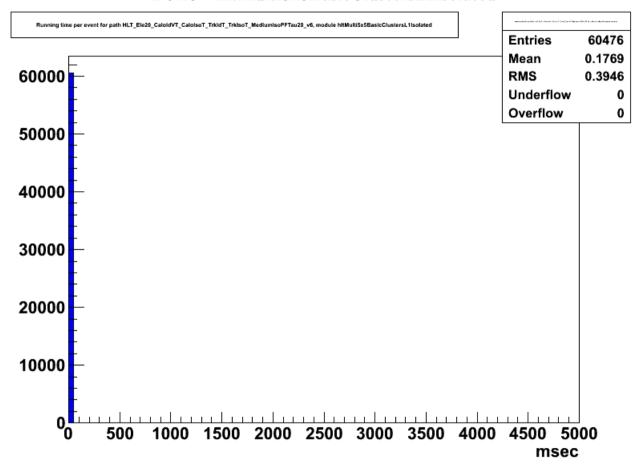
2.5.16 hltHybridSuperClustersL1Isolated



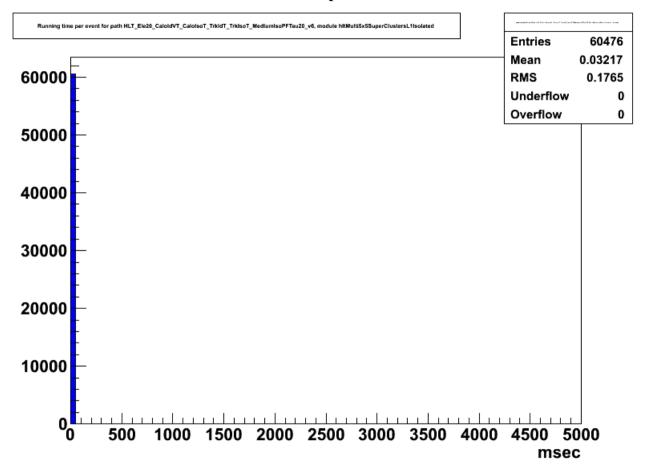
${\bf 2.5.17} \quad hlt Corrected Hybrid Super Clusters L1 I solated$



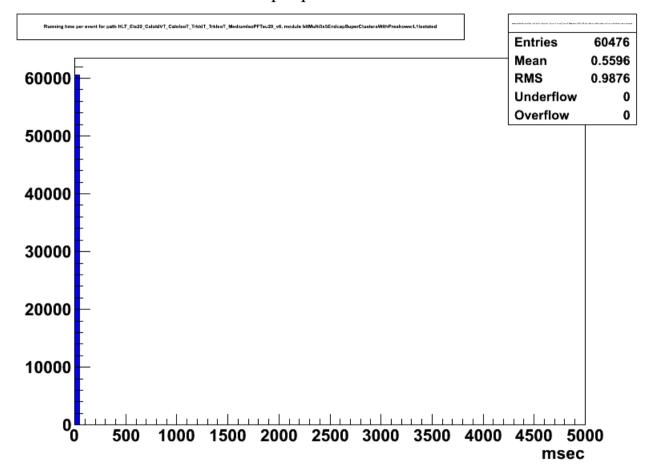
2.5.18 hltMulti5x5BasicClustersL1Isolated



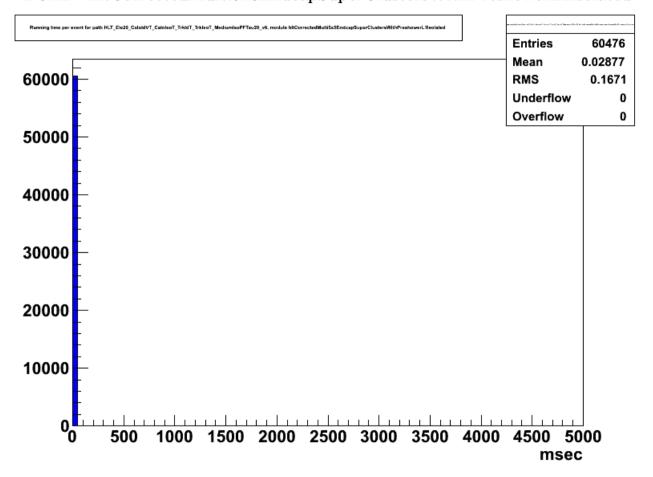
${\bf 2.5.19} \quad hlt Multi 5x 5 Super Clusters L1 I solated$



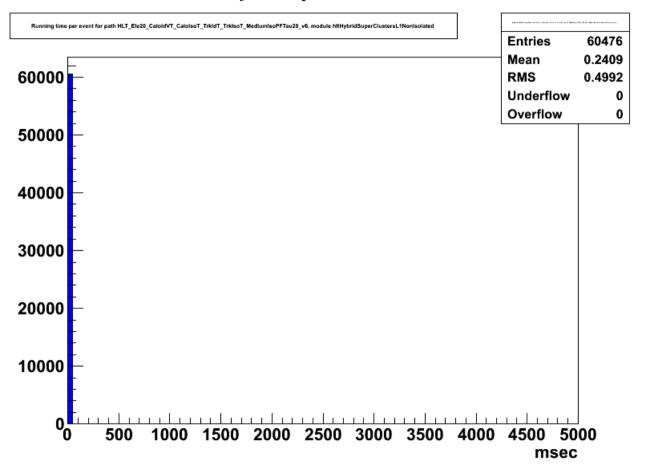
$2.5.20 \quad hlt Multi5x 5 End cap Super Clusters With Preshower L1 Isolated$



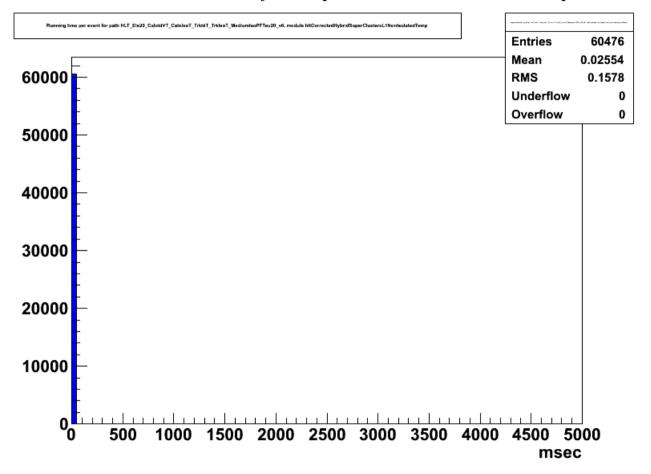
${\bf 2.5.21} \quad hlt Corrected Multi5x5 End cap Super Clusters With Preshower L1 Isolated$



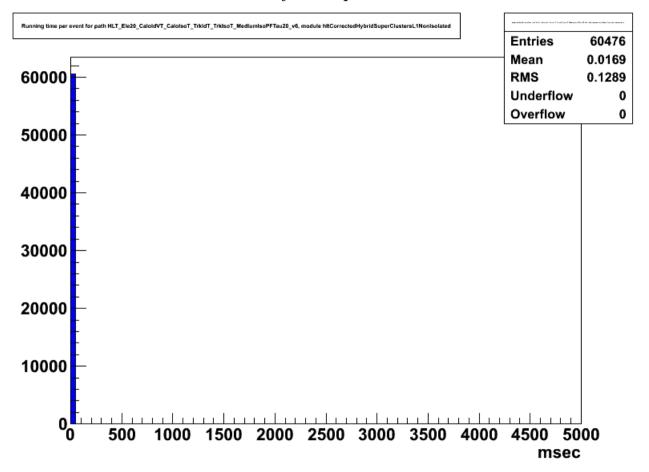
2.5.22 hltHybridSuperClustersL1NonIsolated



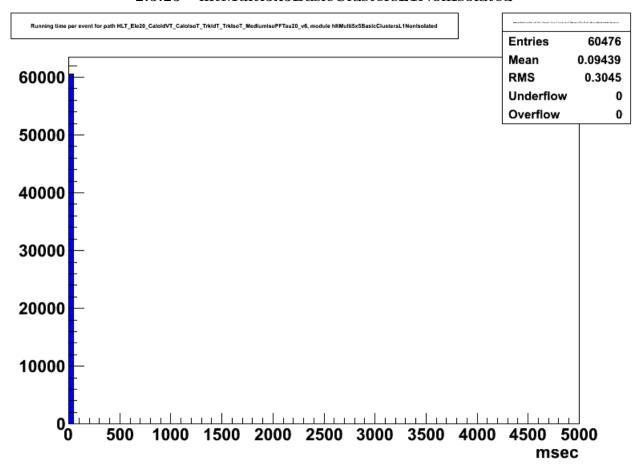
$2.5.23 \quad hlt Corrected Hybrid Super Clusters L1 Non Isolated Temp\\$



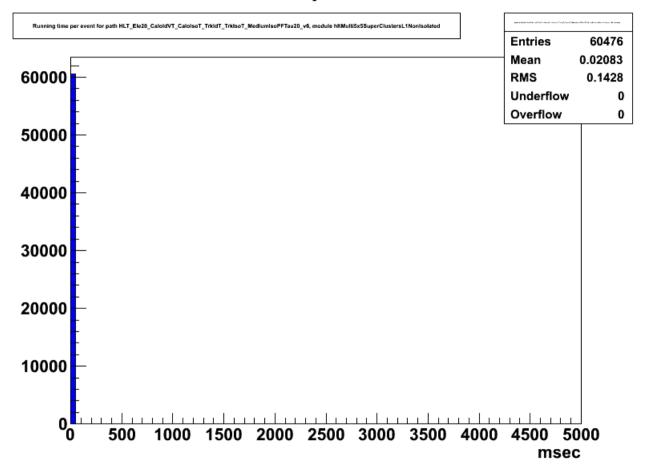
2.5.24 hltCorrectedHybridSuperClustersL1NonIsolated



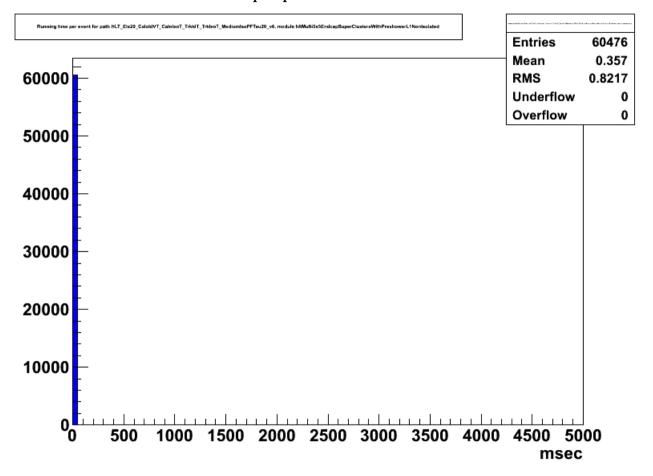
2.5.25 hltMulti5x5BasicClustersL1NonIsolated



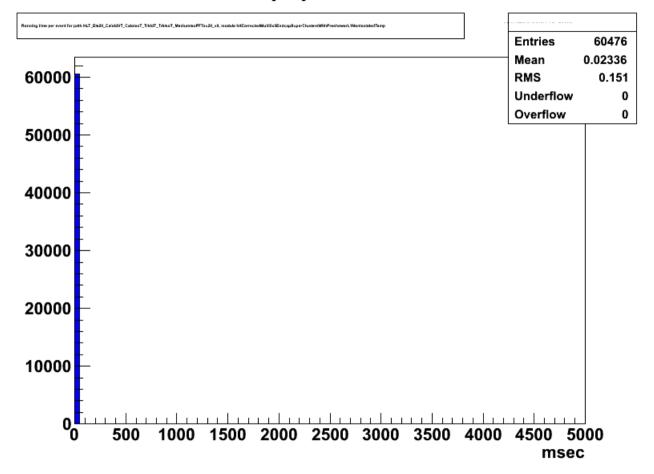
${\bf 2.5.26} \quad hlt Multi 5x 5 Super Clusters L1 Non Isolated$



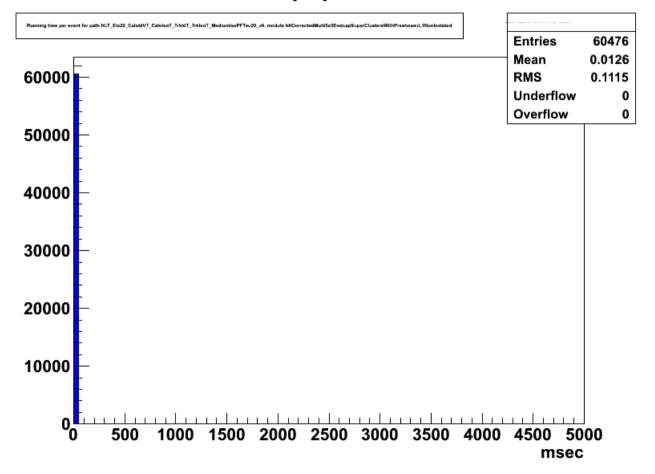
$2.5.27 \quad hlt Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated$



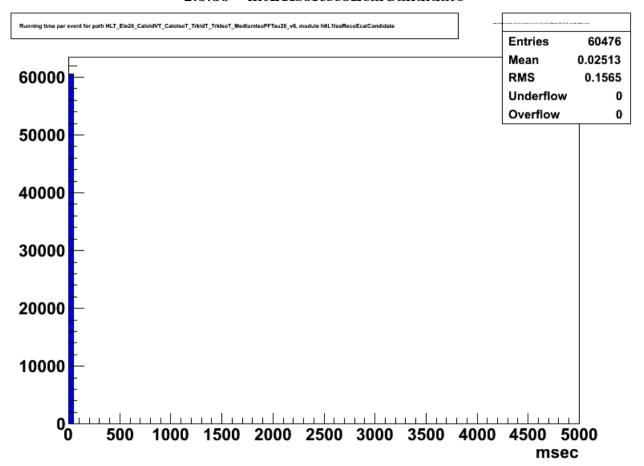
$2.5.28 \quad hlt Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated Temporal Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower Control of the Corrected Multi 5x 5 End cap Super Clusters With Preshower Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control of the Corrected Multi 5x 5 End cap Super Control$



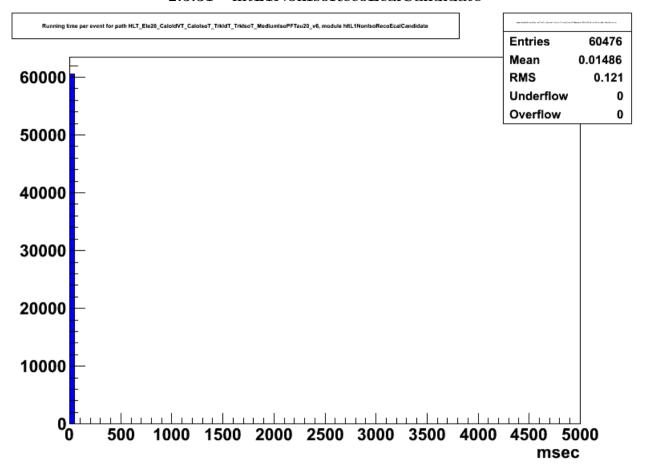
$2.5.29 \quad hlt Corrected Multi 5x 5 End cap Super Clusters With Preshower L1 Non Isolated$



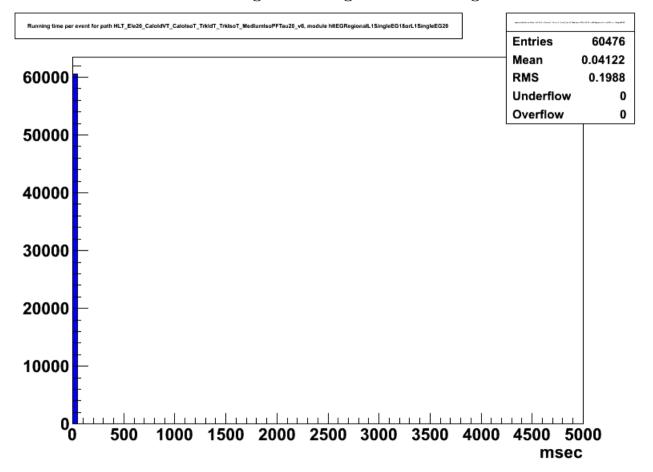
2.5.30 hltL1IsoRecoEcalCandidate



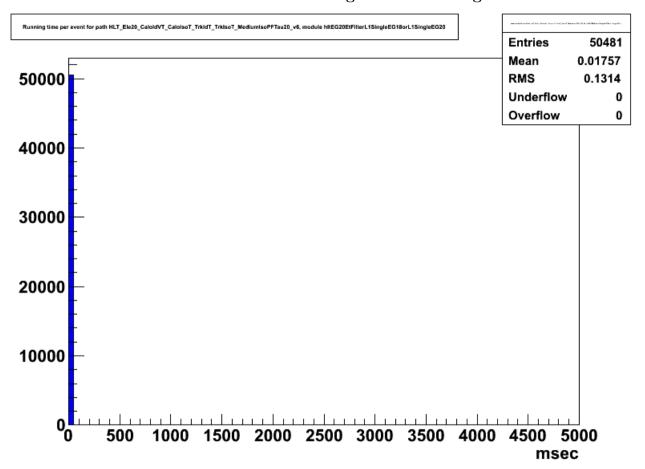
2.5.31 hltL1NonIsoRecoEcalCandidate



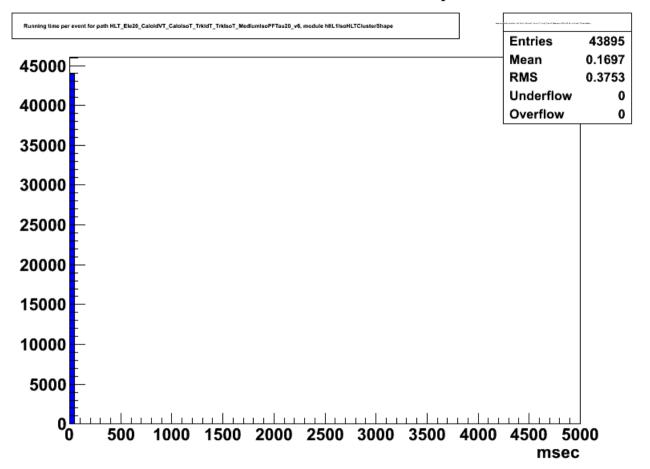
$2.5.32 \quad hlt EGRegional L1 Single EG18 or L1 Single EG20$



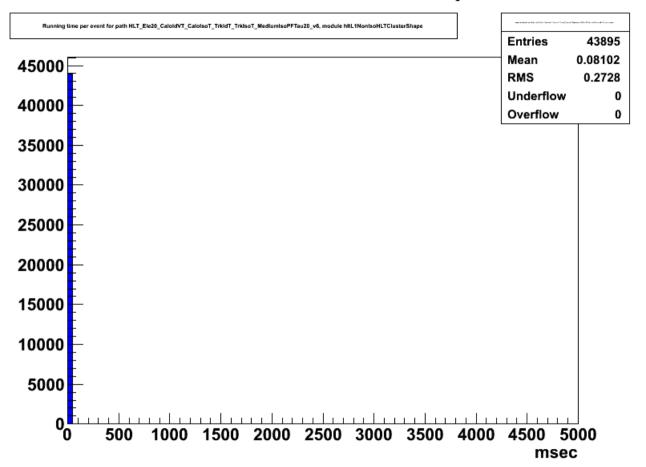
$2.5.33 \quad hlt EG20 EtFilter L1 Single EG18 or L1 Single EG20$



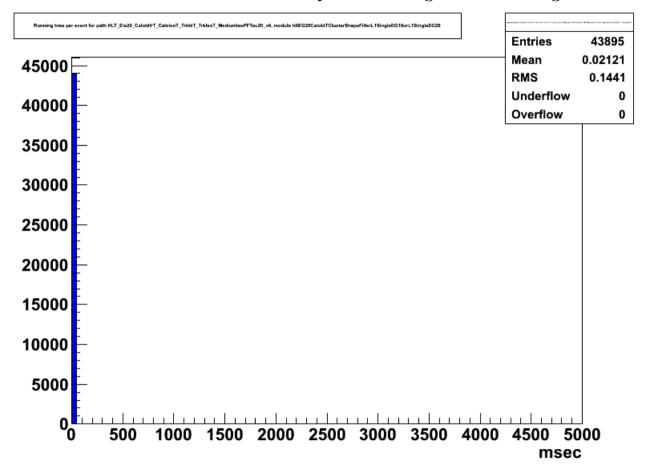
2.5.34 hltL1IsoHLTClusterShape



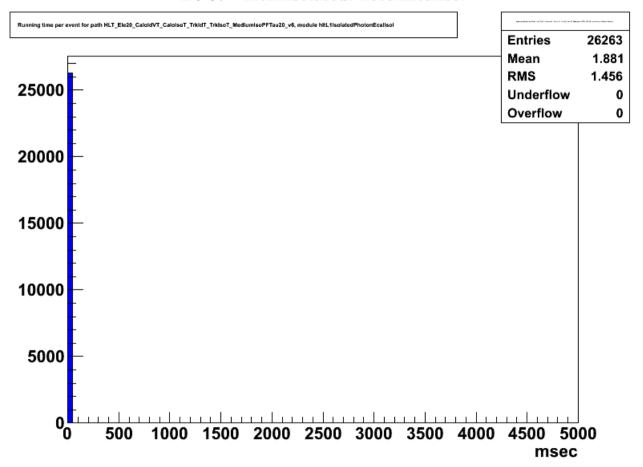
2.5.35 hltL1NonIsoHLTClusterShape



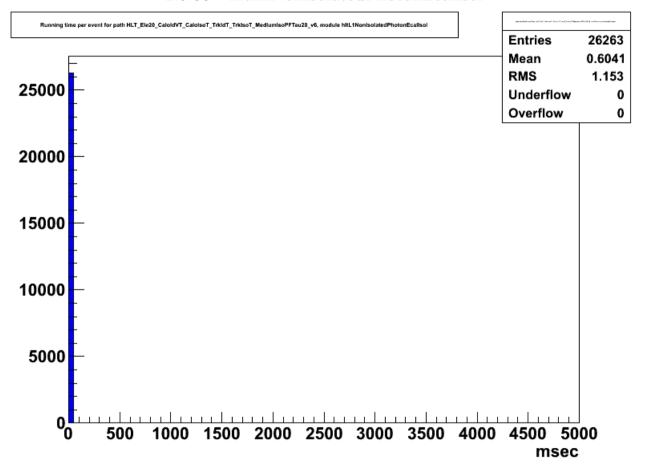
$2.5.36 \quad hlt EG20 Calo IdT Cluster Shape Filter L1 Single EG18 or L1 Single EG20$



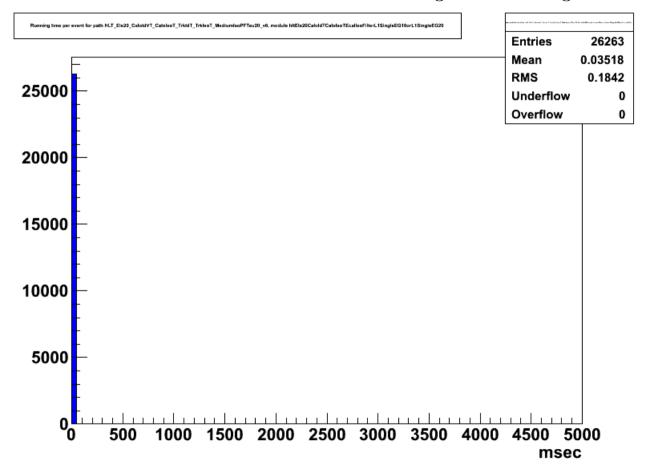
2.5.37 hltL1IsolatedPhotonEcalIsol



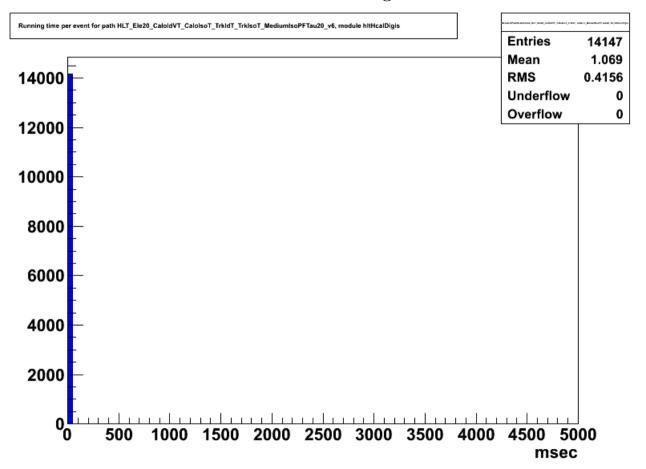
2.5.38 hltL1NonIsolatedPhotonEcalIsol



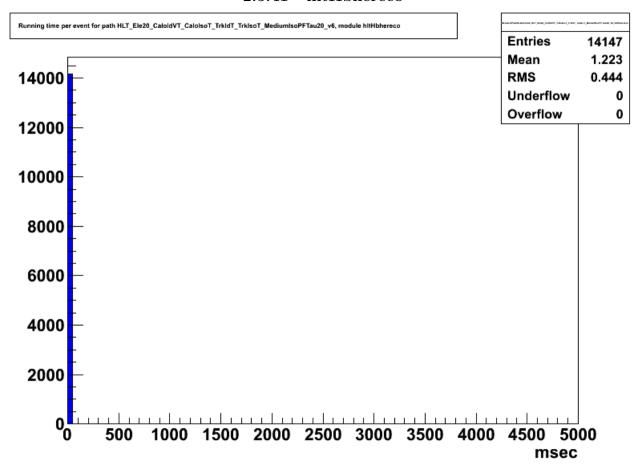
$2.5.39 \quad hlt Ele 20 Calo Id T Calo Iso T E call so Filter L1 Single EG18 or L1 Single EG20$



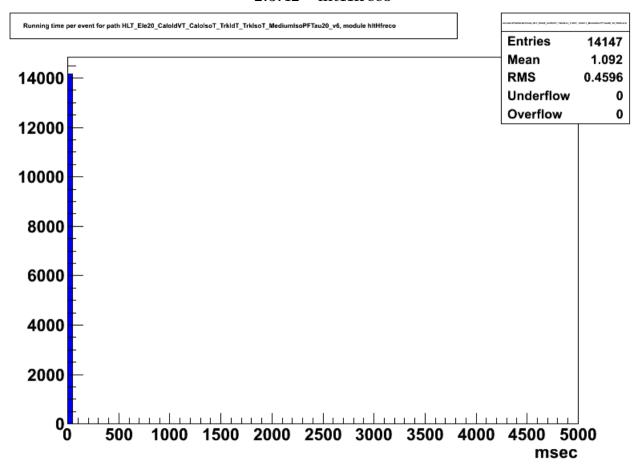
2.5.40 hltHcalDigis



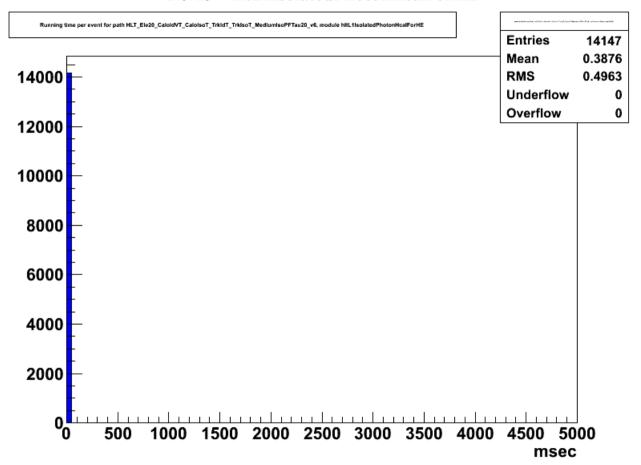
2.5.41 hltHbhereco



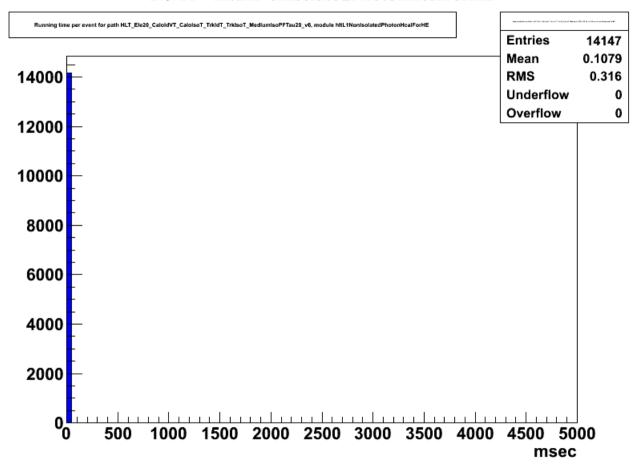
2.5.42 hltHfreco



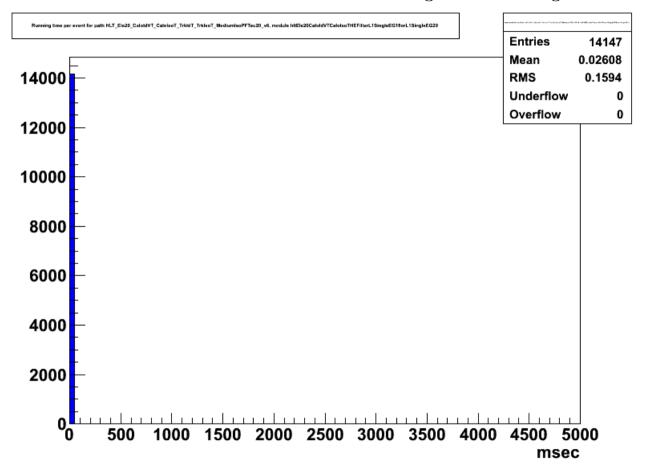
2.5.43 hltL1IsolatedPhotonHcalForHE



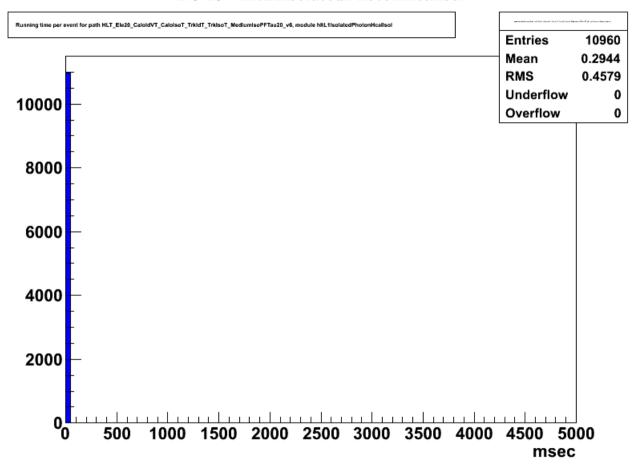
2.5.44 hltL1NonIsolatedPhotonHcalForHE



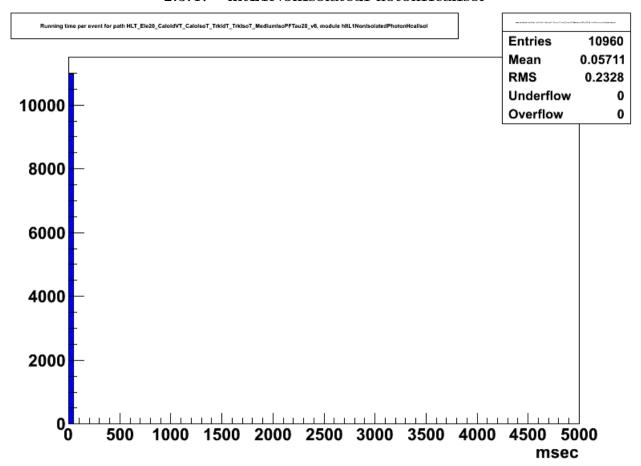
$2.5.45 \quad hlt Ele 20 Calo Id VT Calo Iso THE Filter L1 Single EG18 or L1 Single EG20$



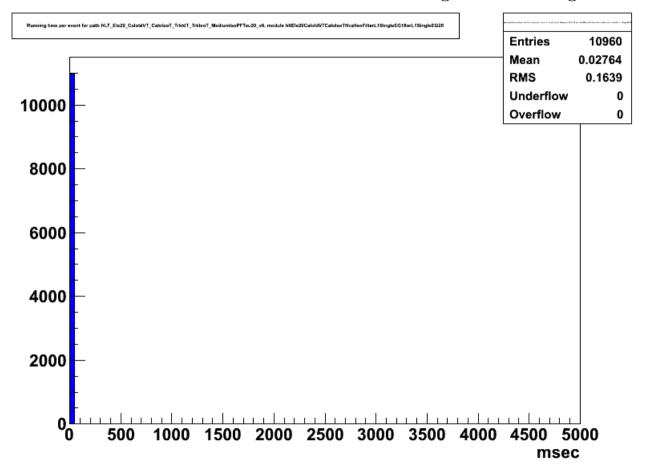
2.5.46 hltL1IsolatedPhotonHcalIsol



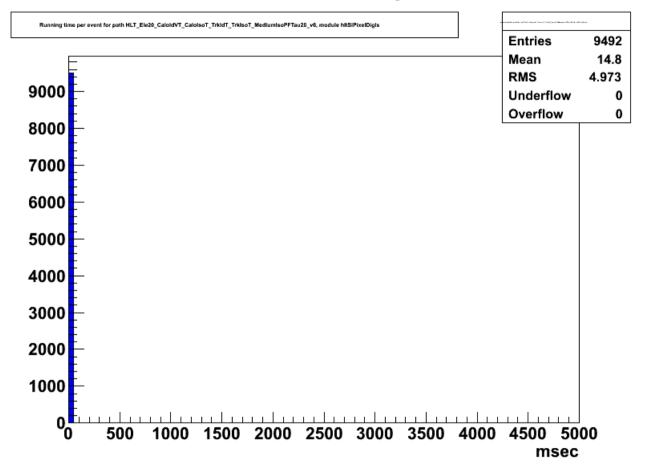
2.5.47 hltL1NonIsolatedPhotonHcalIsol



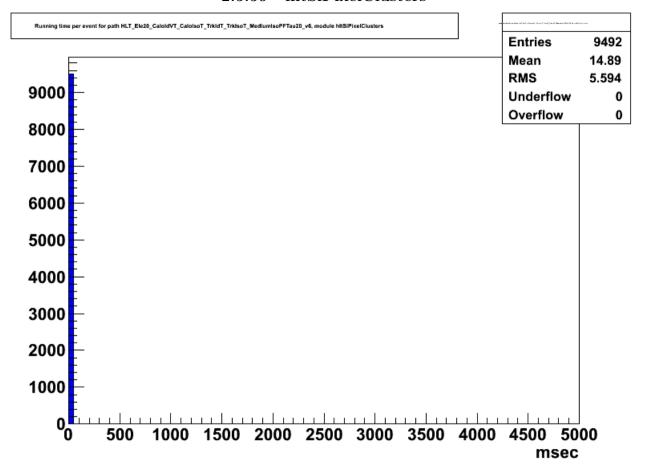
$2.5.48 \quad hlt Ele 20 Calo Id VT Calo Iso TH call So Filter L1 Single EG18 or L1 Single EG20$



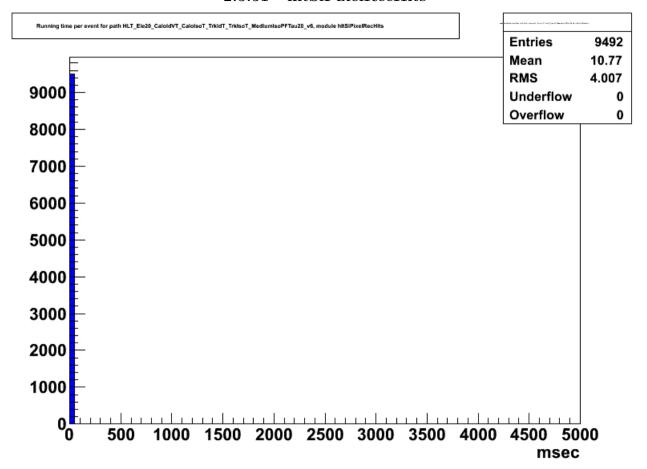
2.5.49 hltSiPixelDigis



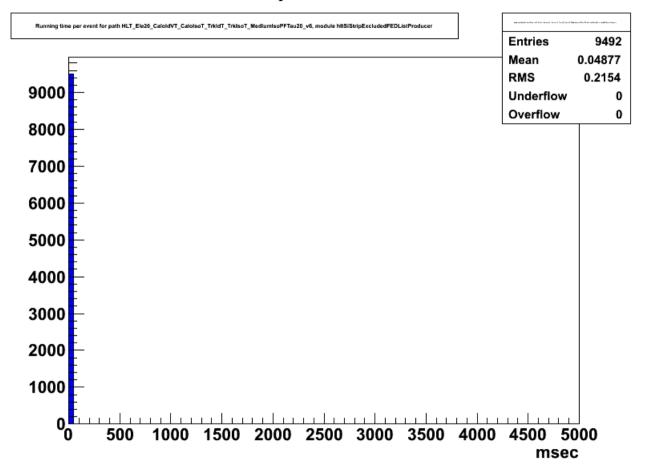
2.5.50 hltSiPixelClusters



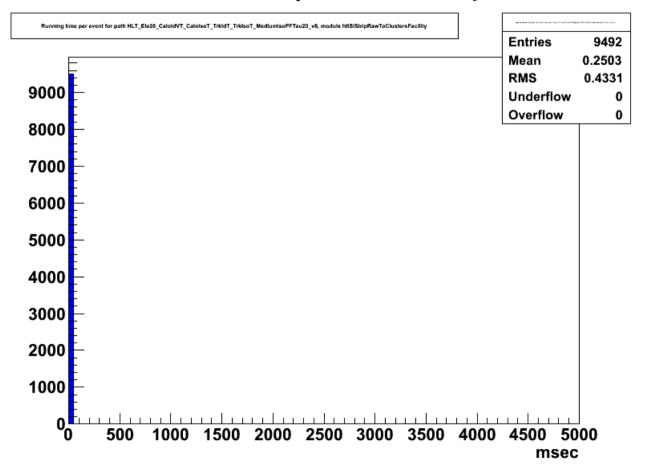
2.5.51 hltSiPixelRecHits



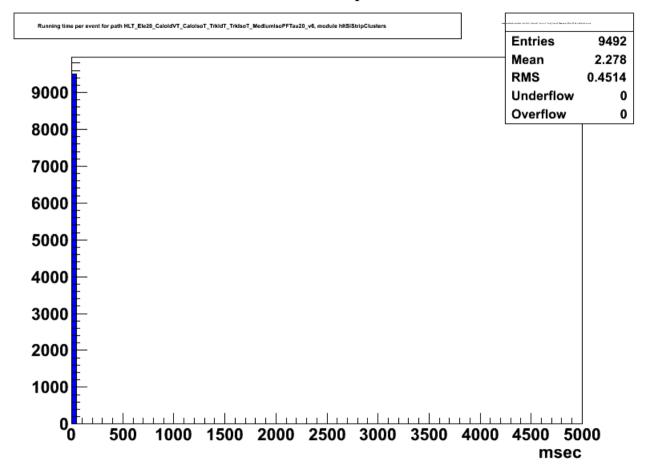
${\bf 2.5.52} \quad hlt SiStrip Excluded FED List Producer$



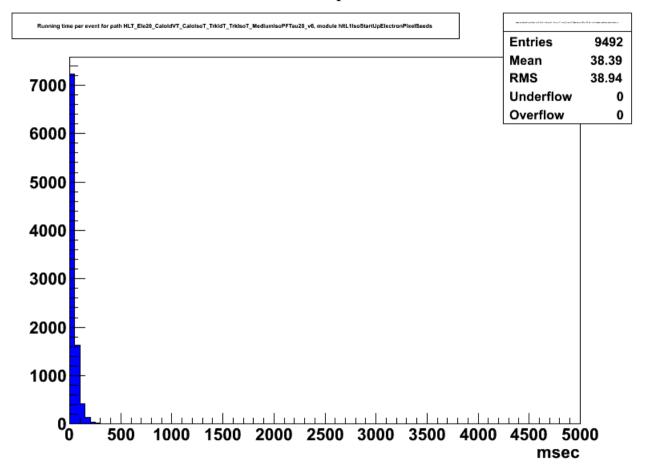
2.5.53 hltSiStripRawToClustersFacility



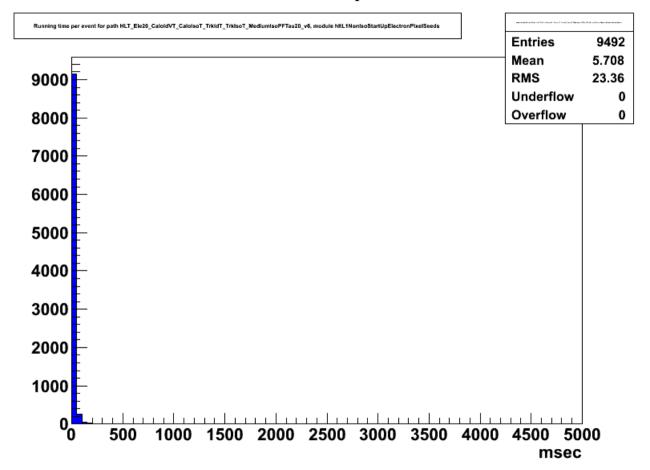
2.5.54 hltSiStripClusters



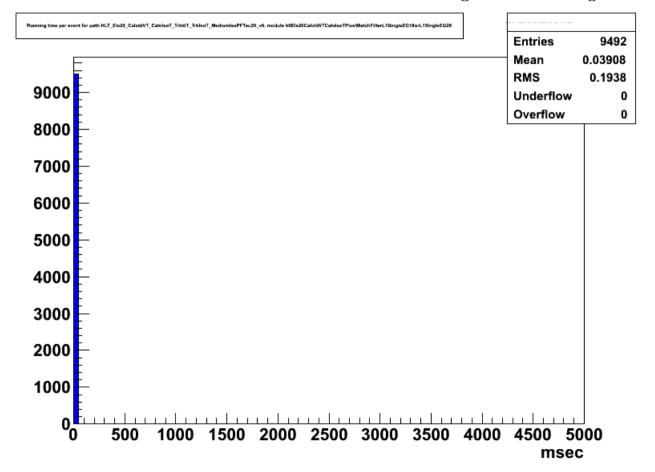
${\bf 2.5.55} \quad hlt L1 Iso Start Up Electron Pixel Seeds$



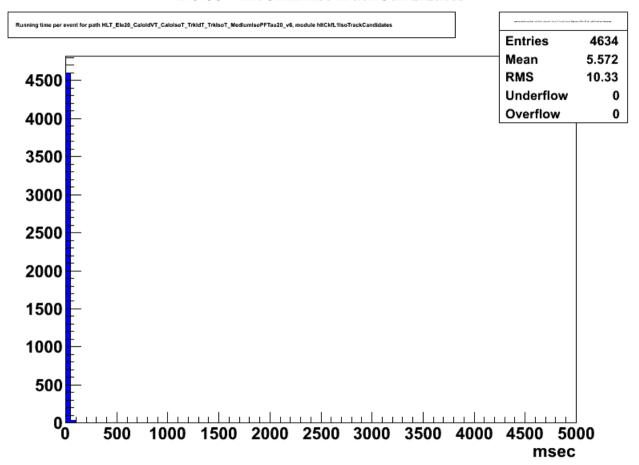
${\bf 2.5.56} \quad hlt L1 Non Iso Start Up Electron Pixel Seeds$



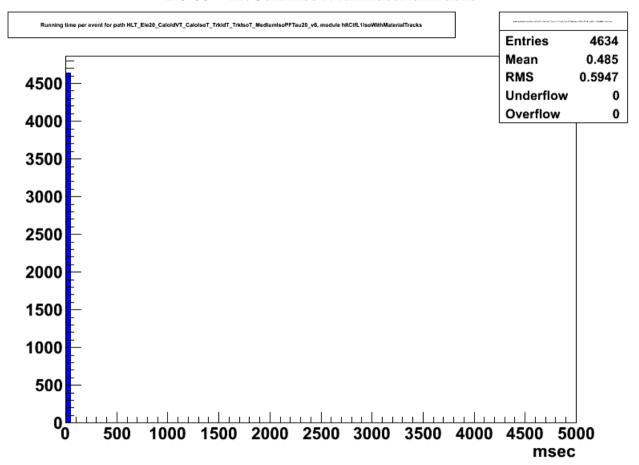
$2.5.57 \quad hlt Ele 20 Calo Id VT Calo Iso TPixel Match Filter L1 Single EG18 or L1 Single EG20$



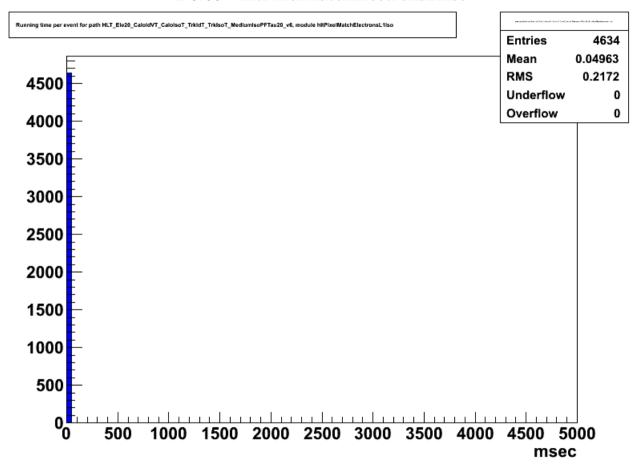
2.5.58 hltCkfL1IsoTrackCandidates



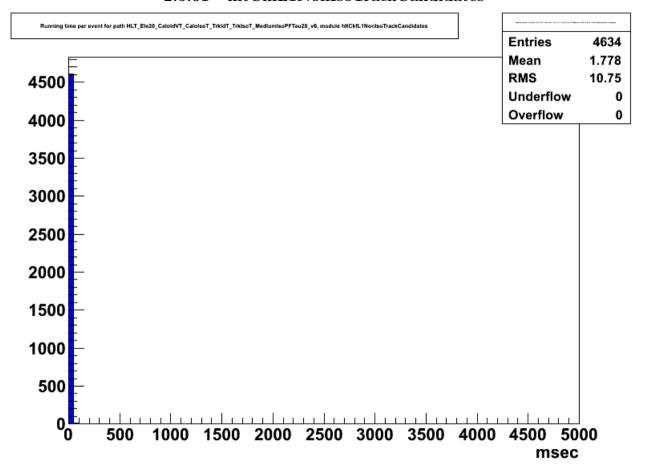
2.5.59 hltCtfL1IsoWithMaterialTracks



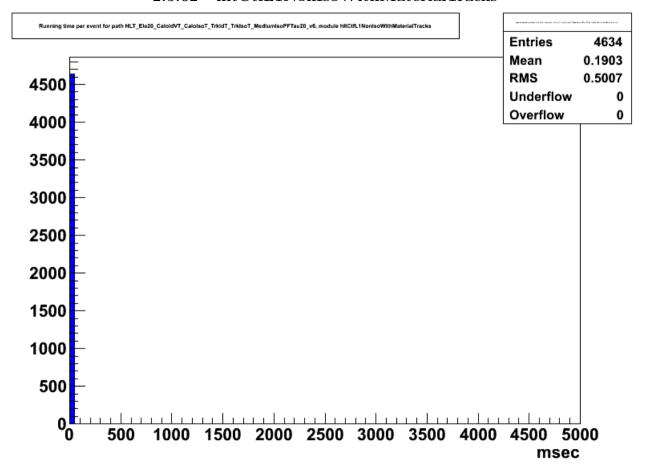
2.5.60 hltPixelMatchElectronsL1Iso



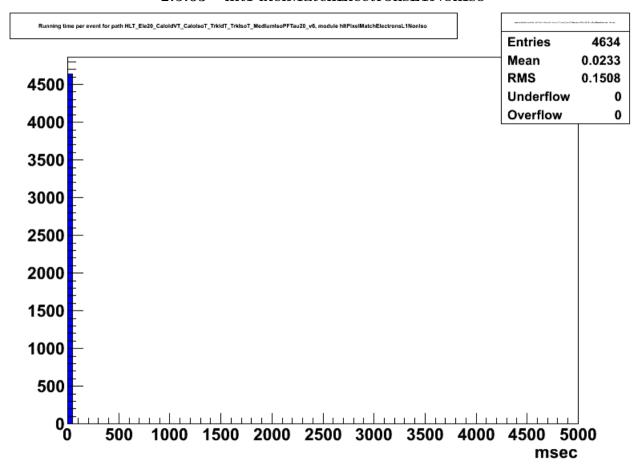
2.5.61 hltCkfL1NonIsoTrackCandidates



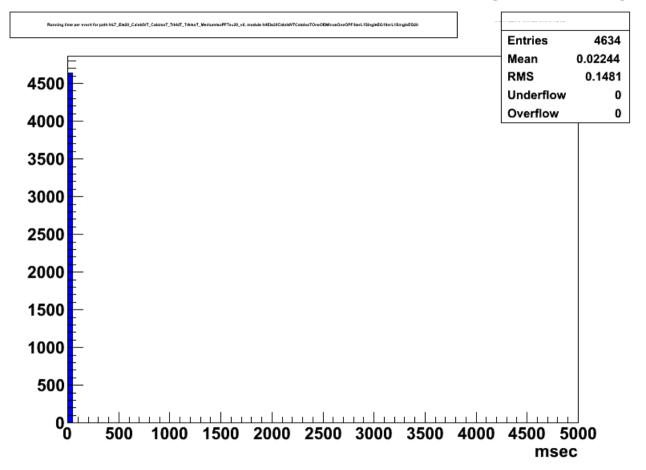
2.5.62 hltCtfL1NonIsoWithMaterialTracks



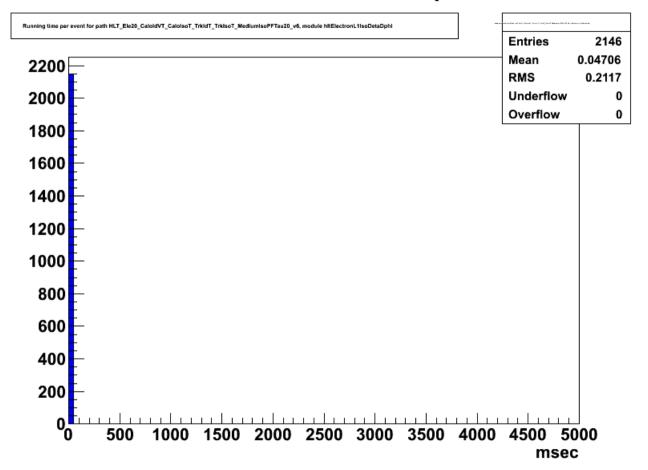
2.5.63 hltPixelMatchElectronsL1NonIso



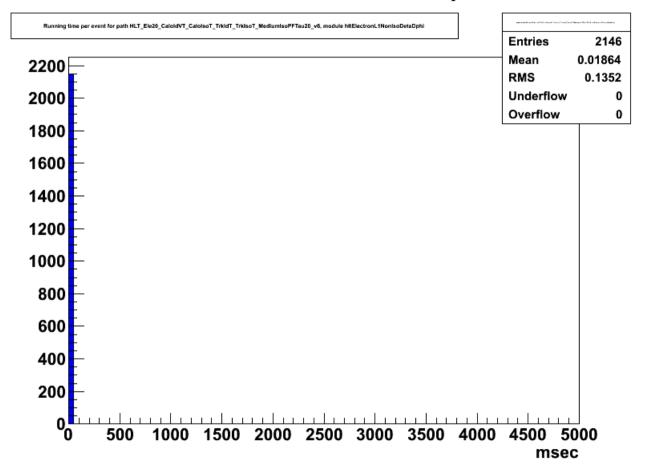
$2.5.64 \quad hlt Ele 20 Calo Id VT Calo Iso TOne OEMinus One OPF ilter L1 Single EG18 or L1 Single EG20$



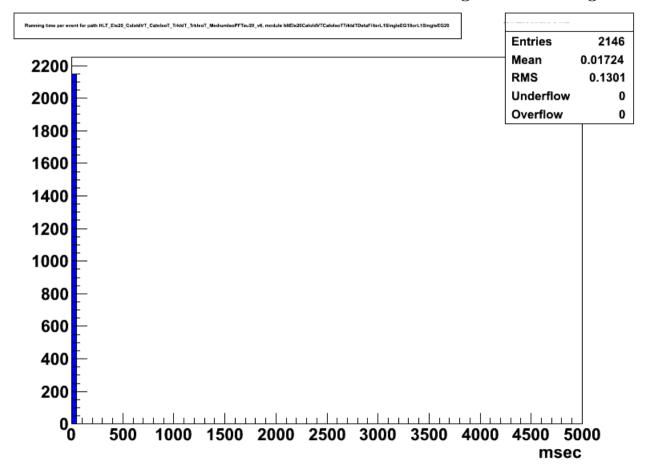
2.5.65 hltElectronL1IsoDetaDphi



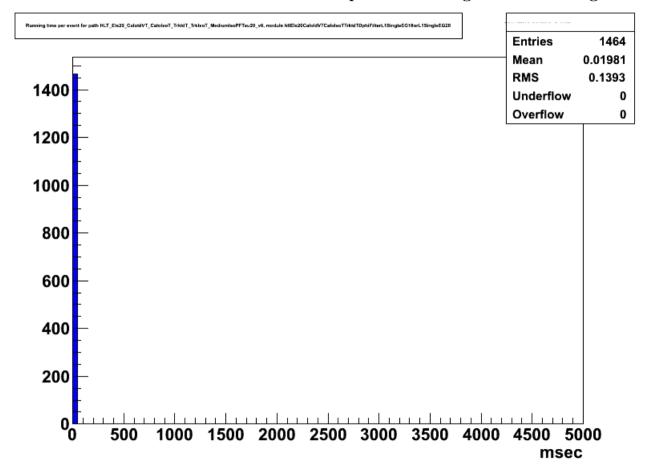
2.5.66 hltElectronL1NonIsoDetaDphi



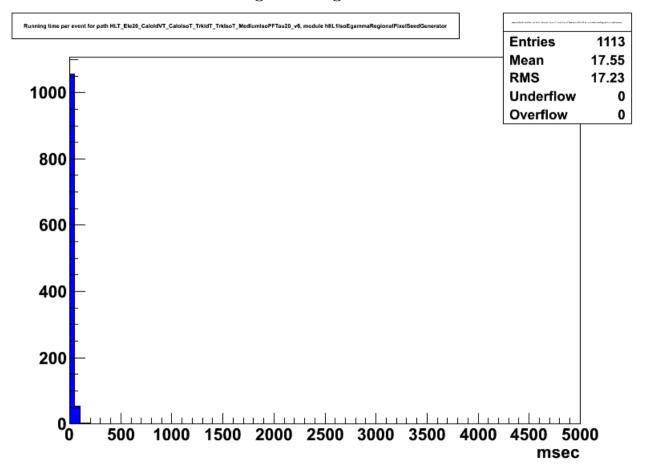
$2.5.67 \quad hlt Ele 20 Calo Id VT Calo Iso TTrk Id TDeta Filter L1 Single EG18 or L1 Single EG20$



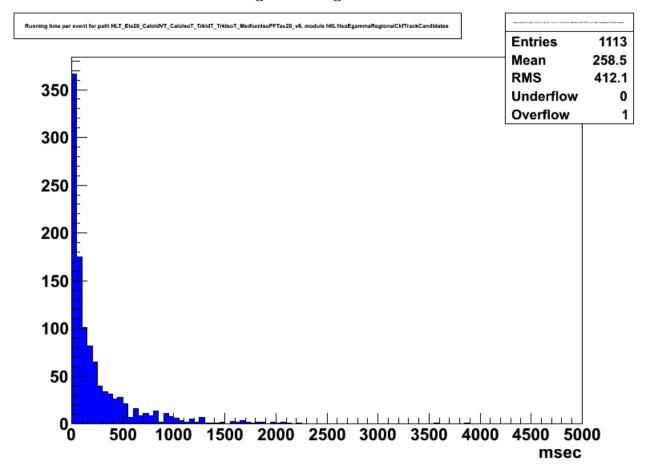
$2.5.68 \quad hlt Ele 20 Calo Id VT Calo Iso TTrk IdTD phi Filter L1 Single EG18 or L1 Single EG20$



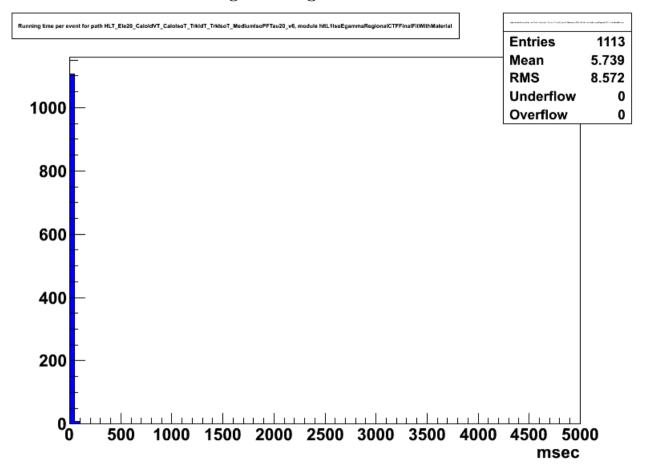
${\bf 2.5.69}\quad hlt L1 Iso Egamma Regional Pixel Seed Generator$



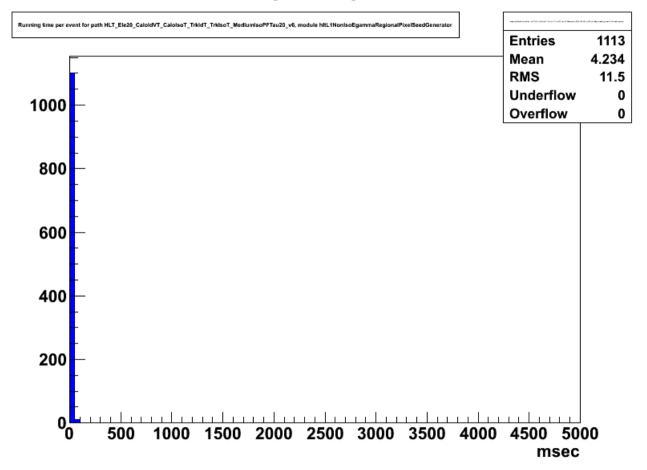
 $2.5.70 \quad hlt L1 Iso Egamma Regional Ckf Track Candidates$



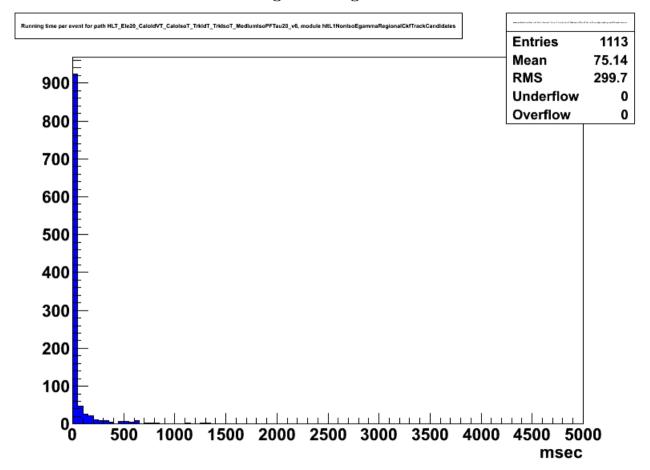
2.5.71 hltL1IsoEgammaRegionalCTFFinalFitWithMaterial



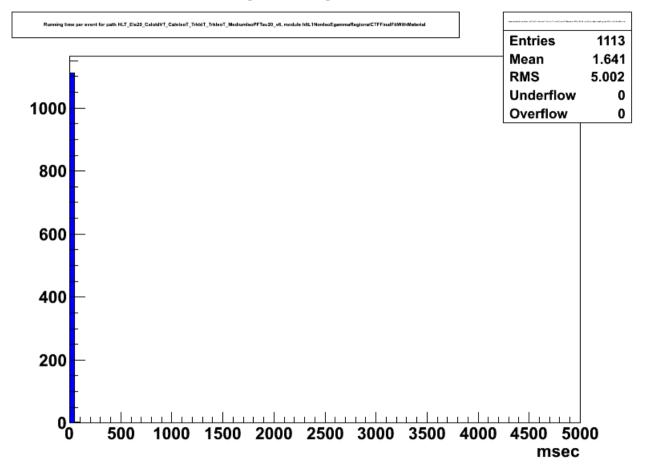
2.5.72 hltL1NonIsoEgammaRegionalPixelSeedGenerator



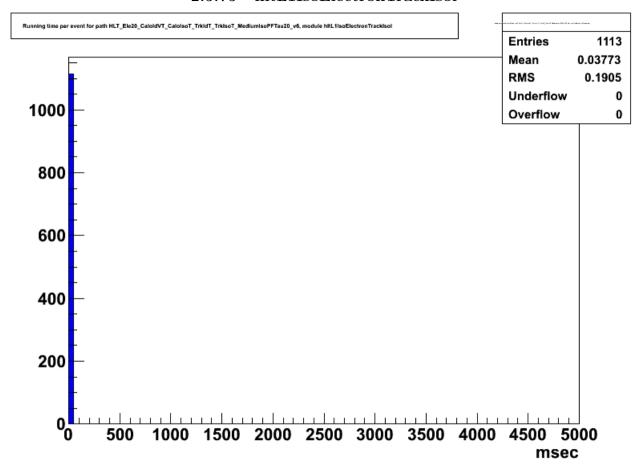
$2.5.73 \quad hlt L1 Non Iso Egamma Regional Ckf Track Candidates$



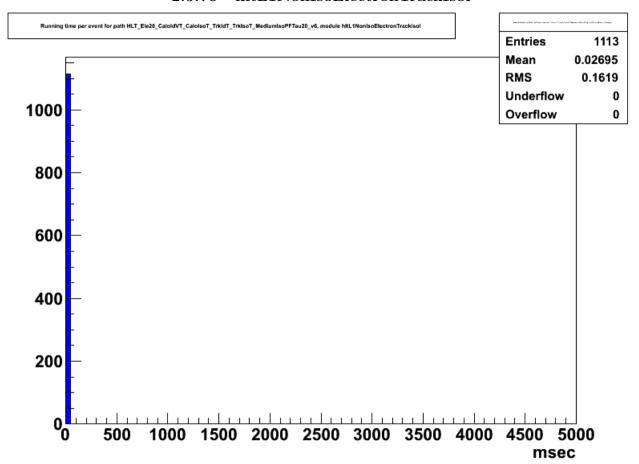
2.5.74 hltL1NonIsoEgammaRegionalCTFFinalFitWithMaterial



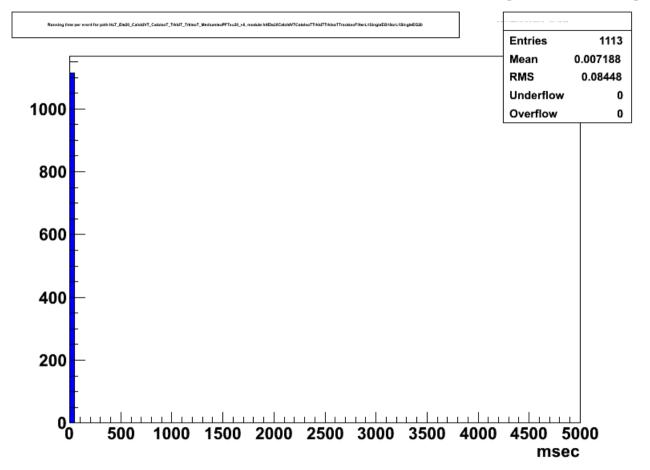
2.5.75 hltL1IsoElectronTrackIsol



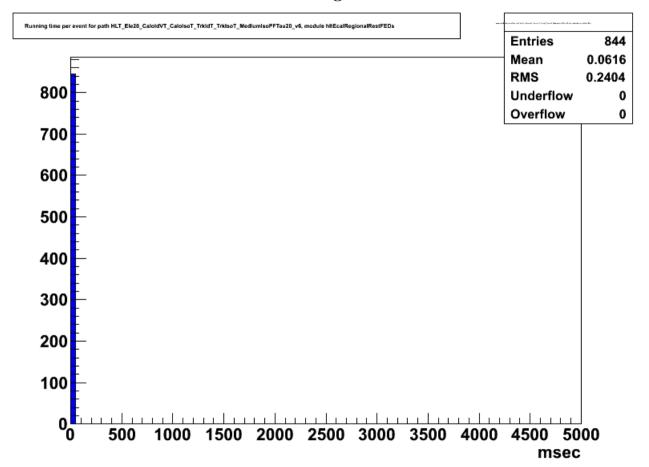
2.5.76 hltL1NonIsoElectronTrackIsol



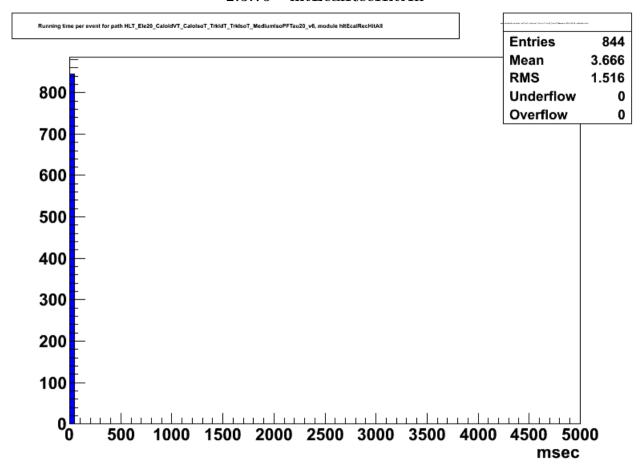
$2.5.77 \quad hlt Ele 20 Calo Id VT Calo Iso TTrk Id TTrk Iso TTrack Iso Filter L1 Single EG18 or L1 Single EG20$



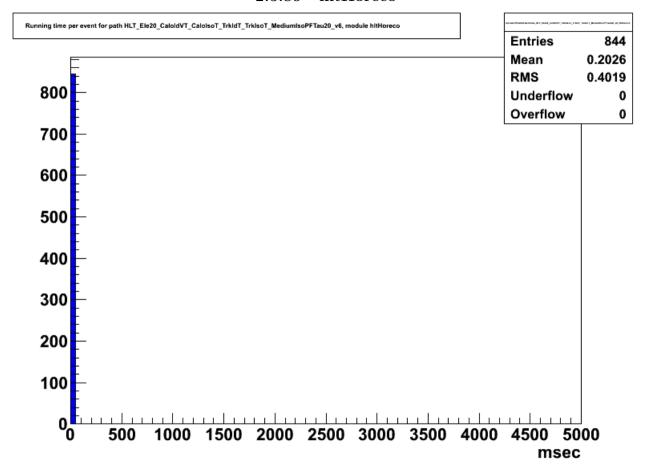
 $2.5.78 \quad hlt Ecal Regional Rest FEDs$



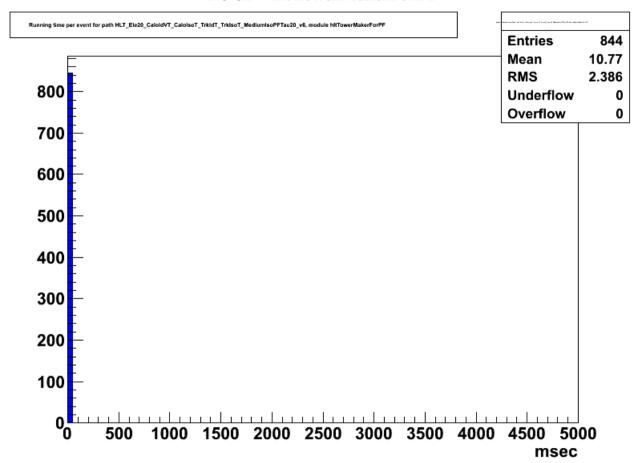
2.5.79 hltEcalRecHitAll



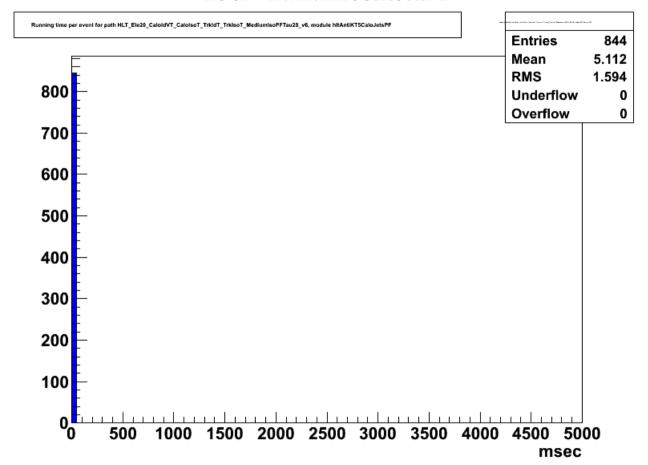
2.5.80 hltHoreco



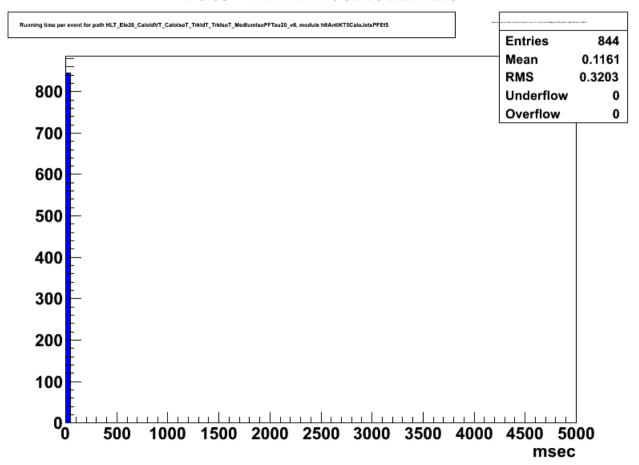
2.5.81 hltTowerMakerForPF



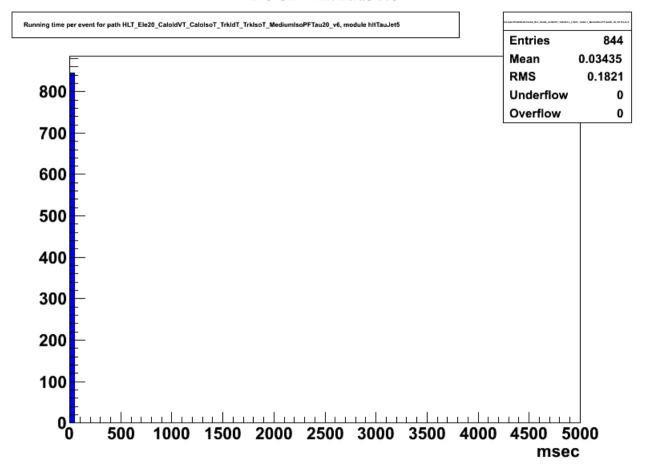
2.5.82 hltAntiKT5CaloJetsPF



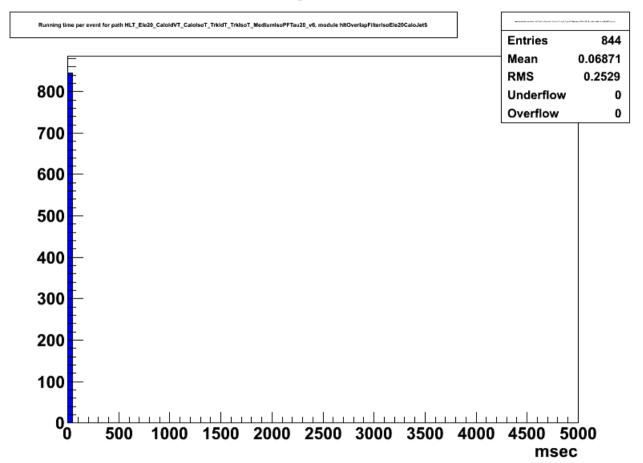
2.5.83 hltAntiKT5CaloJetsPFEt5



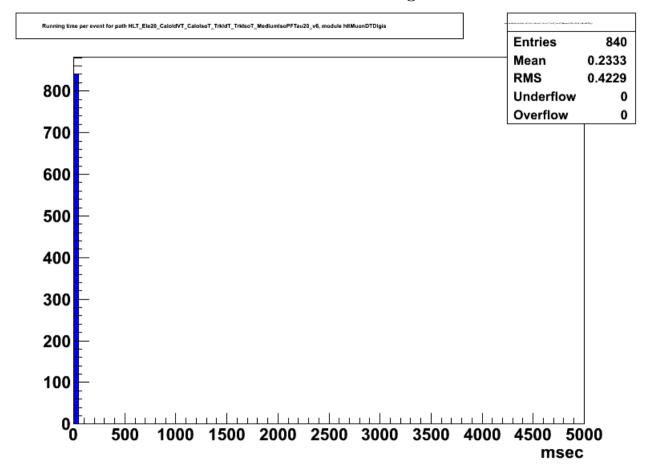
2.5.84 hltTauJet5



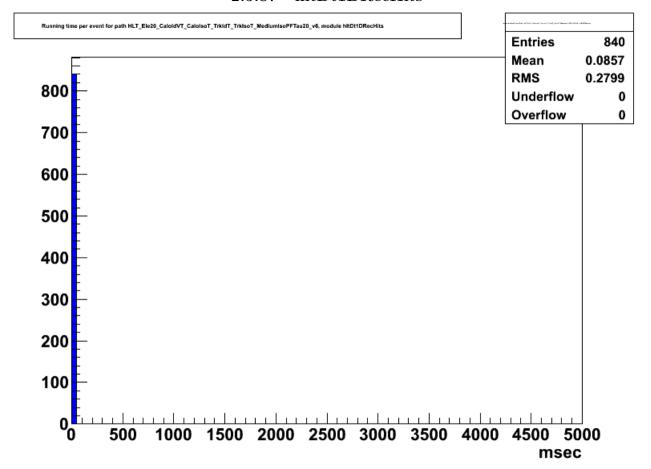
 $2.5.85 \quad hlt Overlap Filter Iso Ele 20 Calo Jet 5$



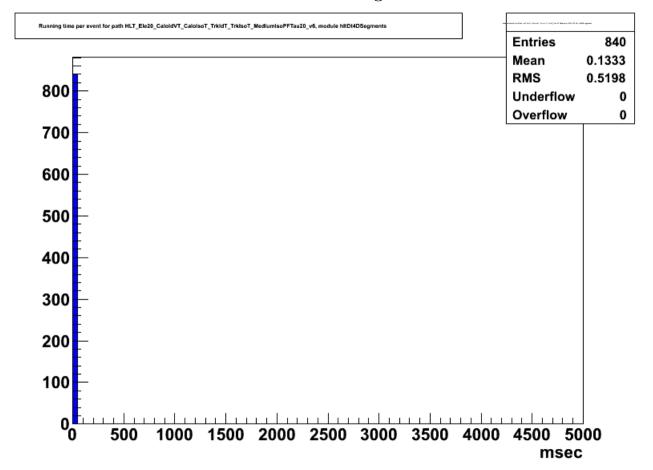
2.5.86 hltMuonDTDigis



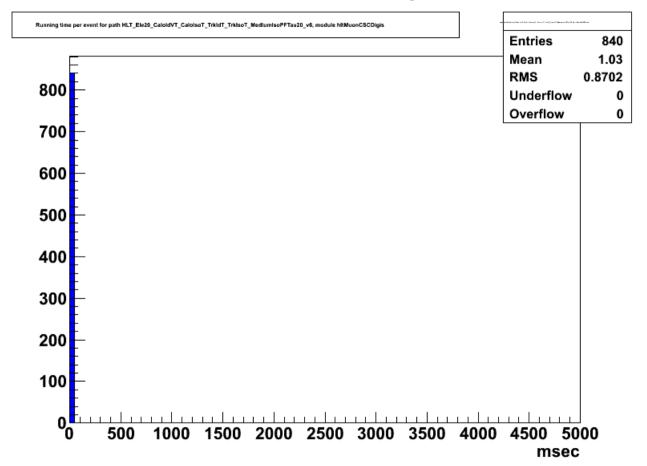
2.5.87 hltDt1DRecHits



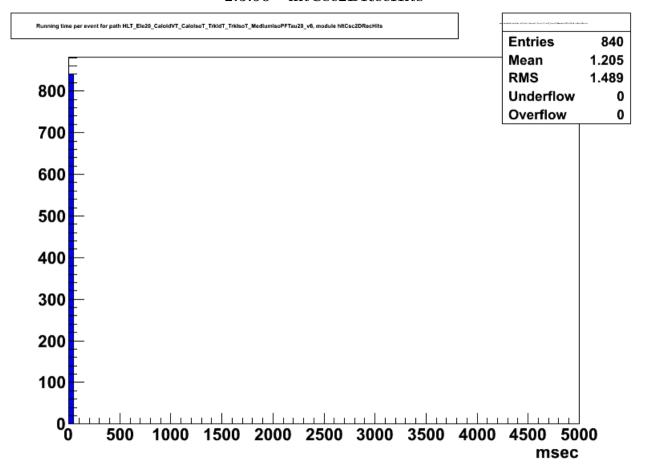
2.5.88 hltDt4DSegments



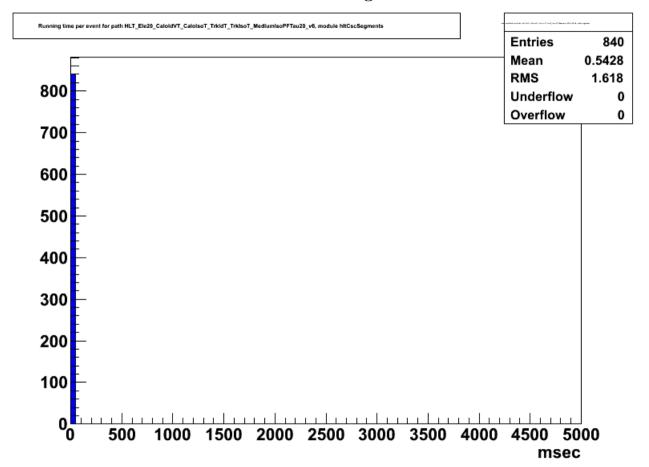
2.5.89 hltMuonCSCDigis



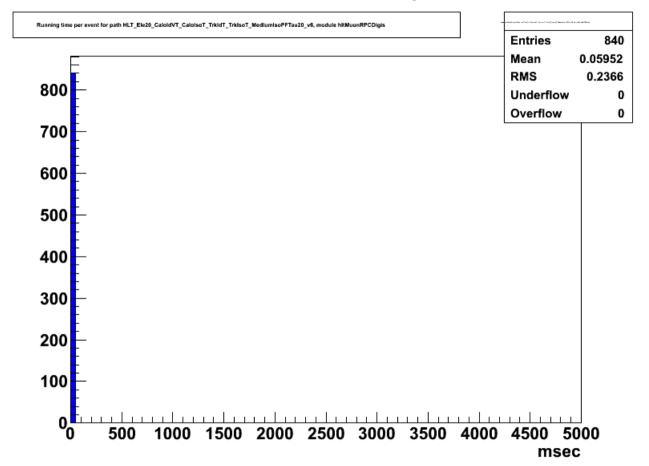
2.5.90 hltCsc2DRecHits



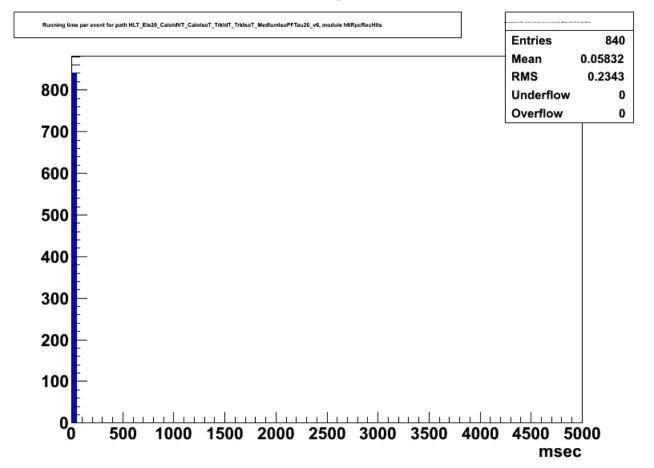
2.5.91 hltCscSegments



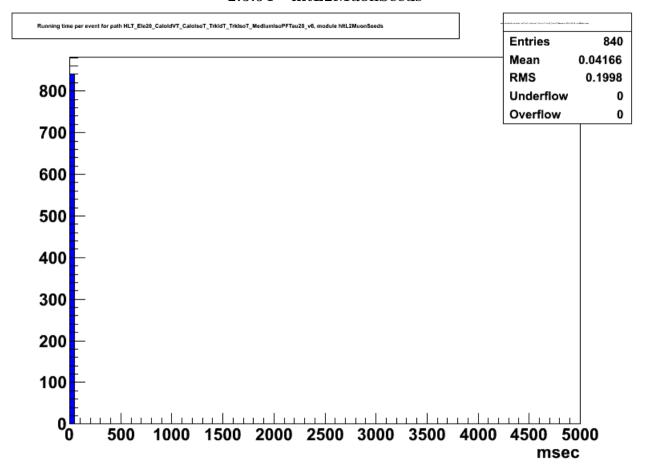
2.5.92 hltMuonRPCDigis



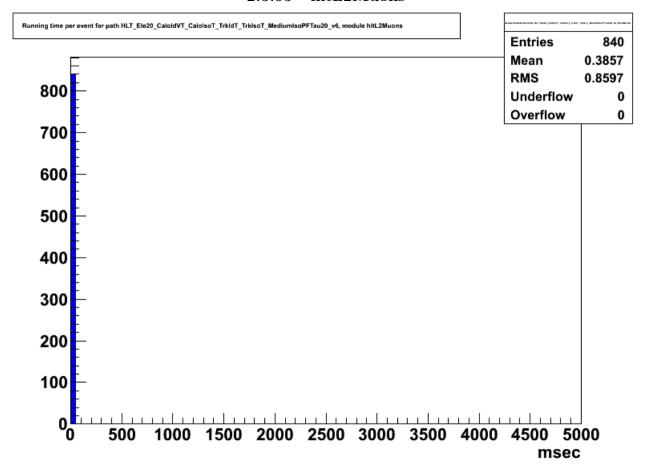
2.5.93 hltRpcRecHits



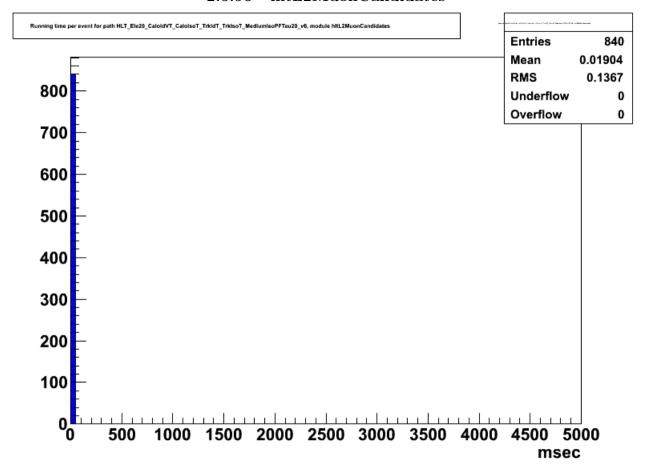
2.5.94 hltL2MuonSeeds



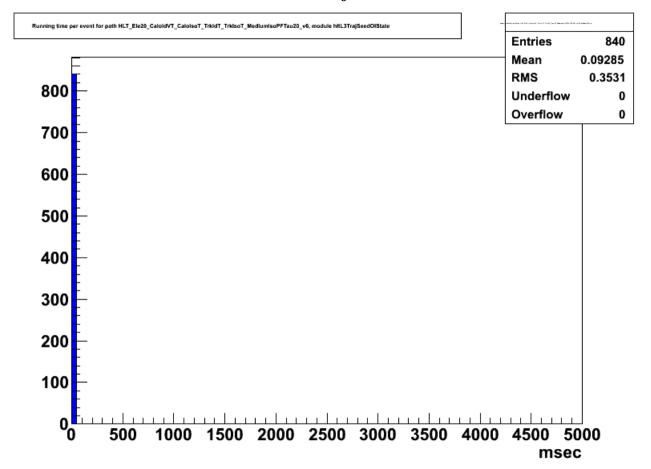
2.5.95 hltL2Muons



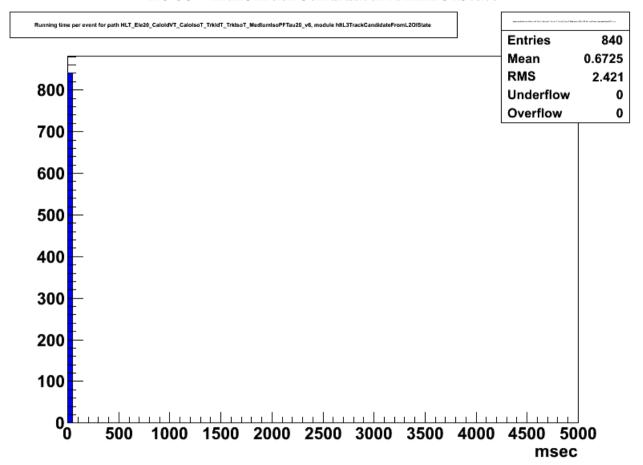
2.5.96 hltL2MuonCandidates



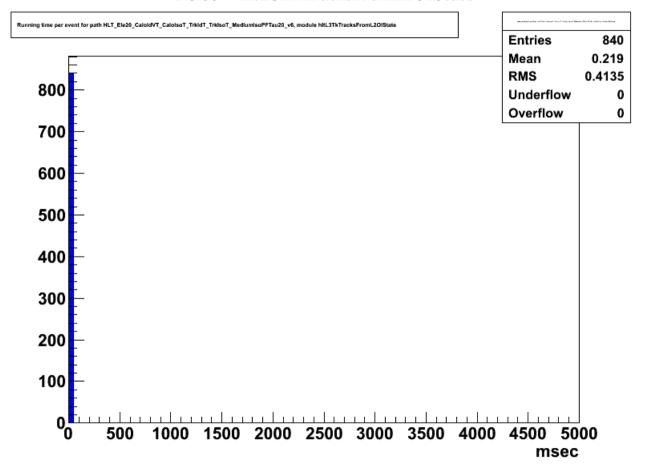
2.5.97 hltL3TrajSeedOIState



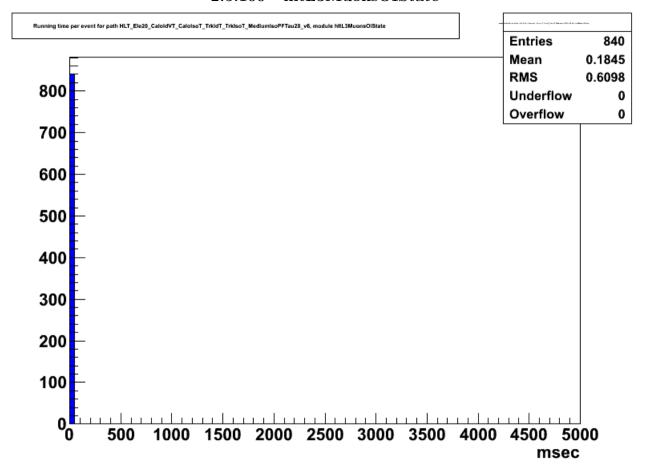
2.5.98 hltL3TrackCandidateFromL2OIState



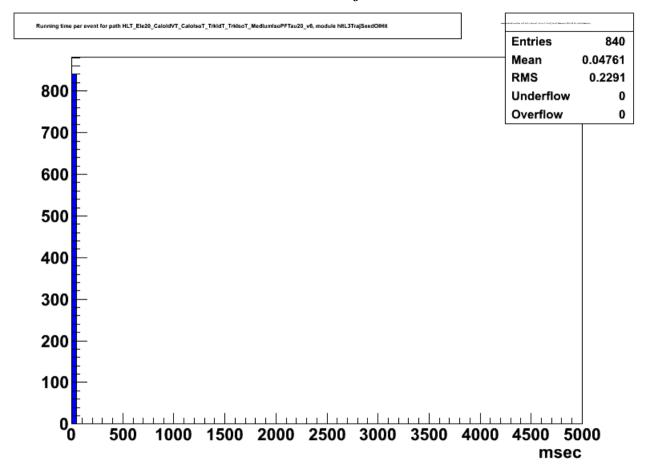
2.5.99 hltL3TkTracksFromL2OIState



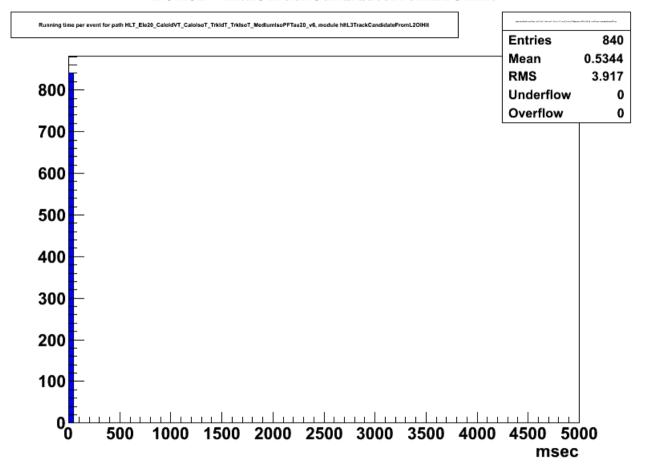
2.5.100 hltL3MuonsOIState



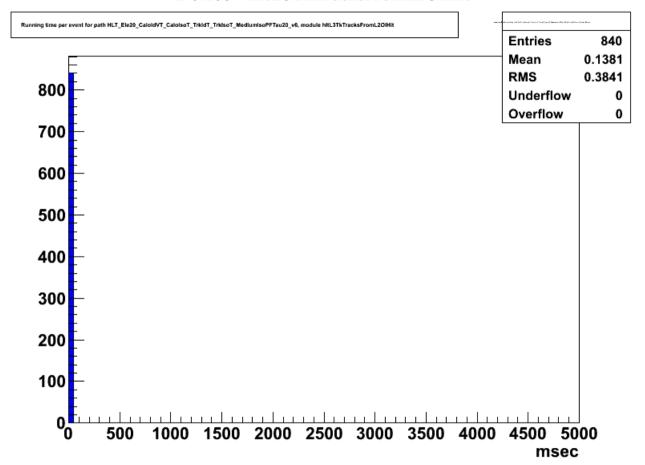
2.5.101 hltL3TrajSeedOIHit



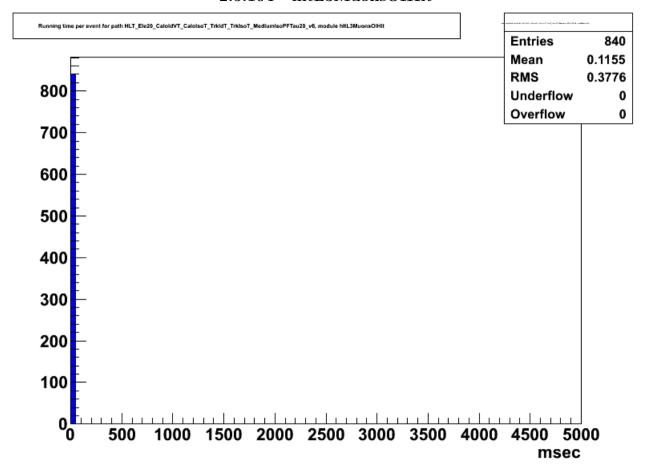
2.5.102 hltL3TrackCandidateFromL2OIHit



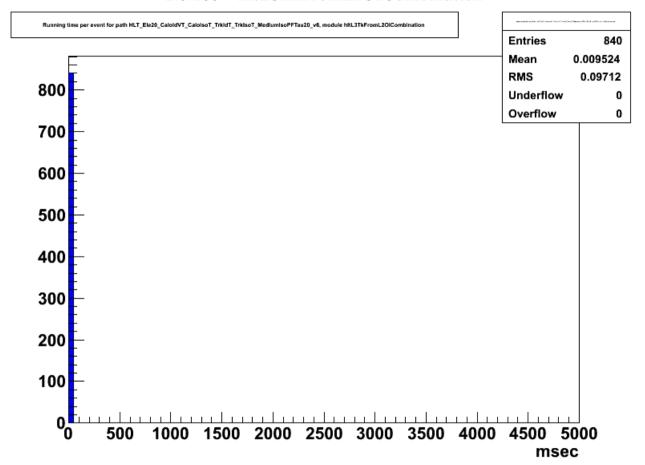
2.5.103 hltL3TkTracksFromL2OIHit



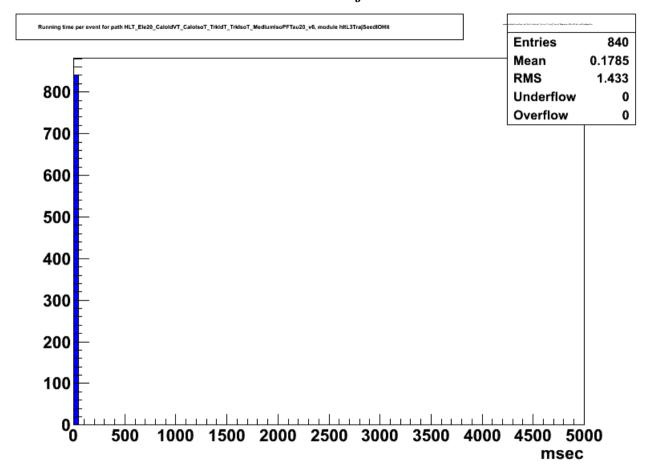
2.5.104 hltL3MuonsOIHit



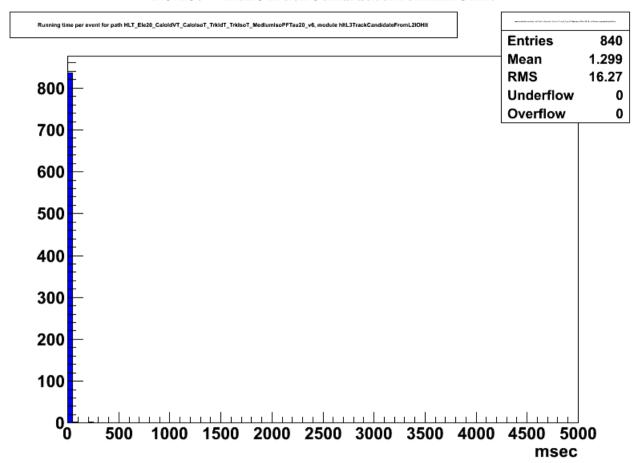
2.5.105 hltL3TkFromL2OICombination



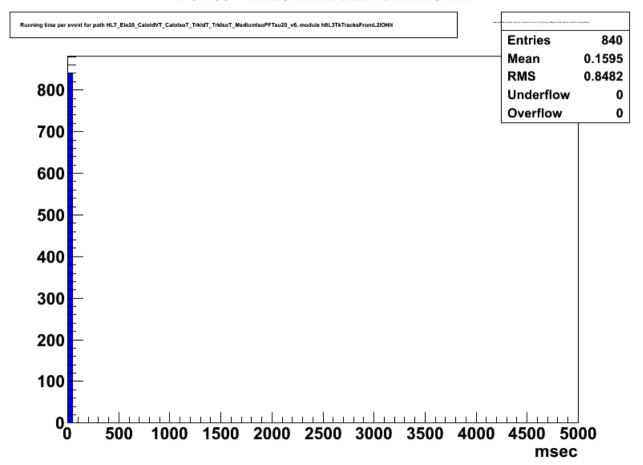
2.5.106 hltL3TrajSeedIOHit



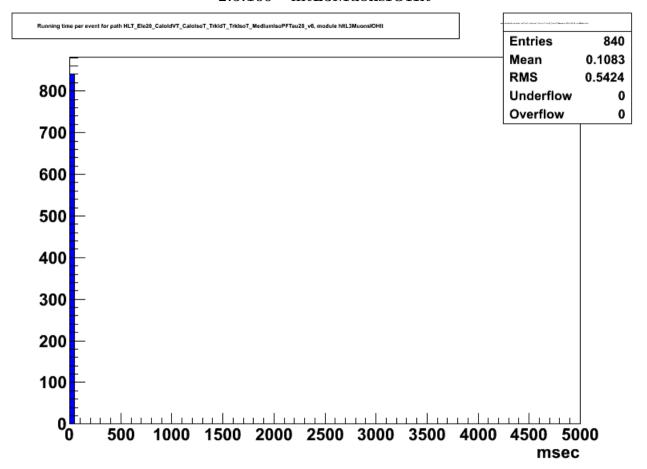
2.5.107 hltL3TrackCandidateFromL2IOHit



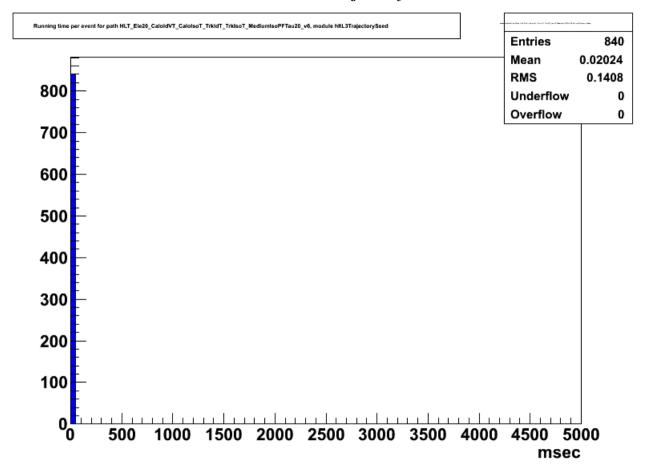
2.5.108 hltL3TkTracksFromL2IOHit



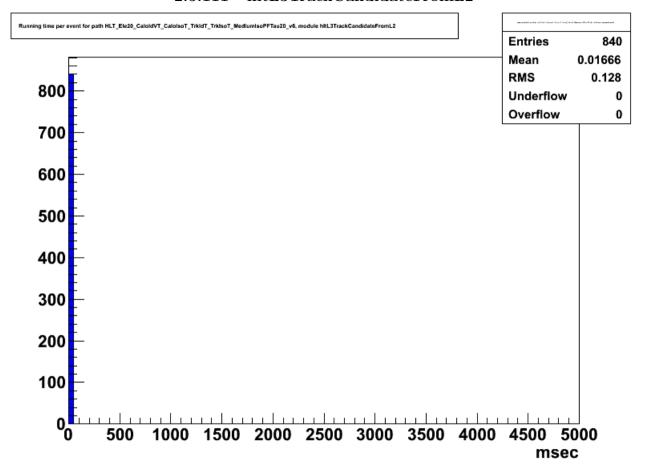
2.5.109 hltL3MuonsIOHit



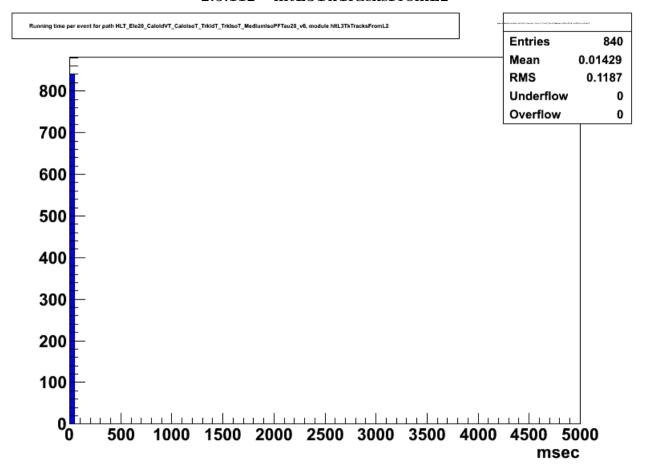
2.5.110 hltL3TrajectorySeed



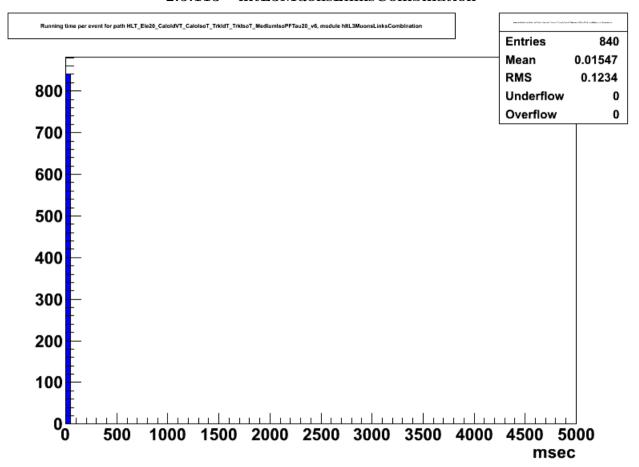
2.5.111 hltL3TrackCandidateFromL2



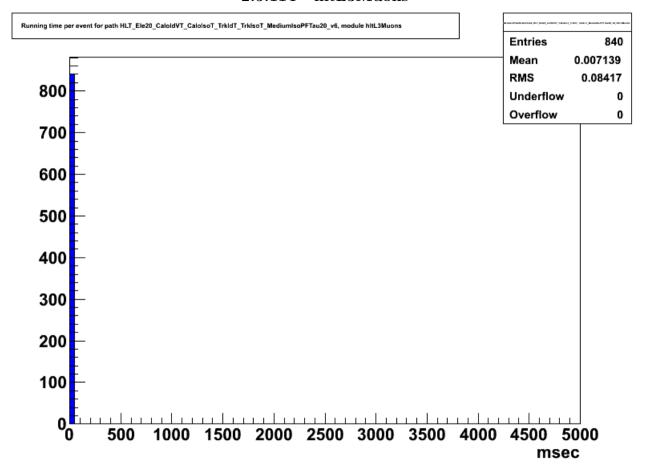
2.5.112 hltL3TkTracksFromL2



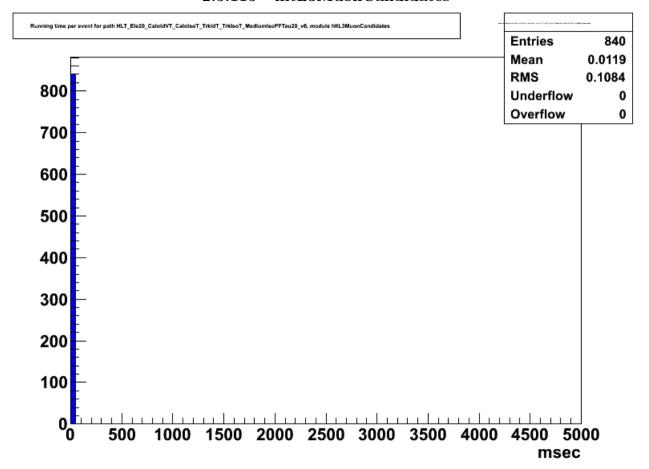
2.5.113 hltL3MuonsLinksCombination



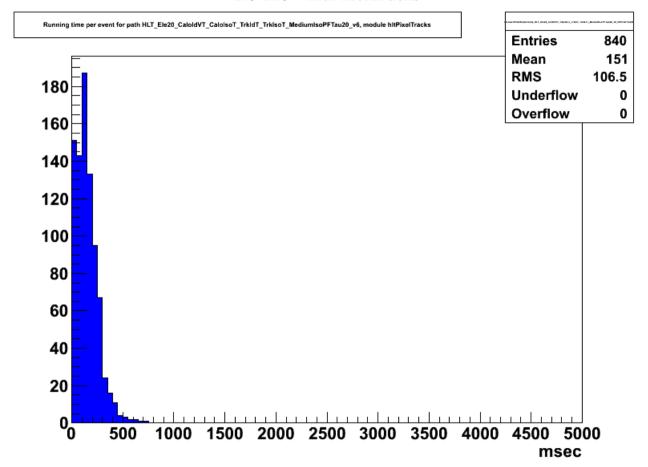
2.5.114 hltL3Muons



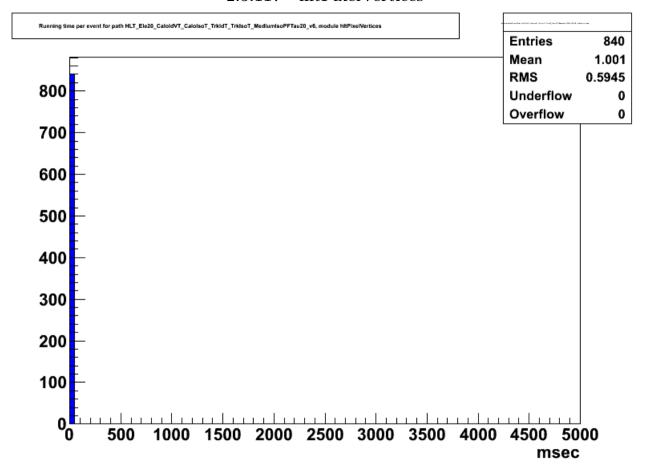
2.5.115 hltL3MuonCandidates



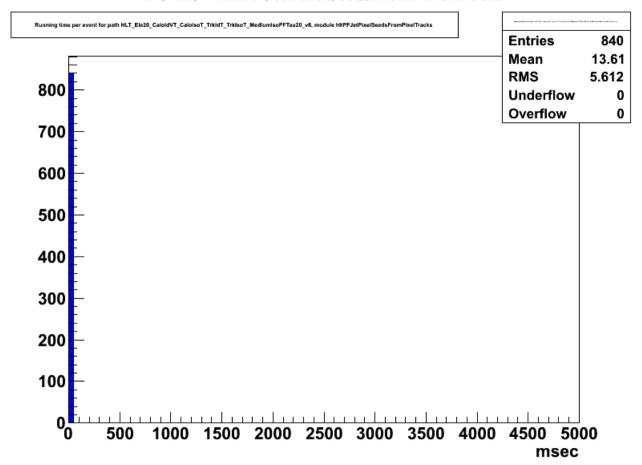
2.5.116 hltPixelTracks



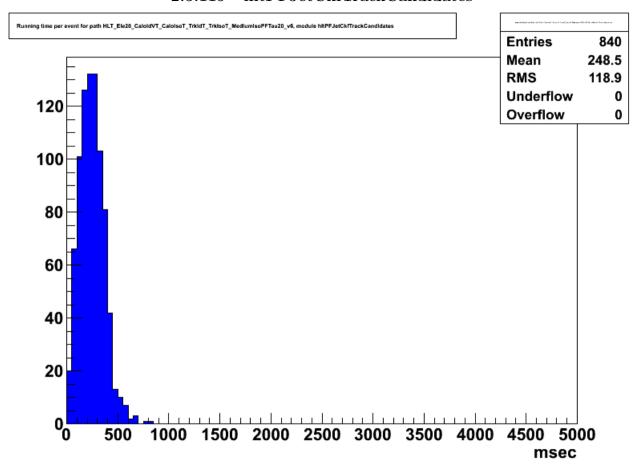
2.5.117 hltPixelVertices



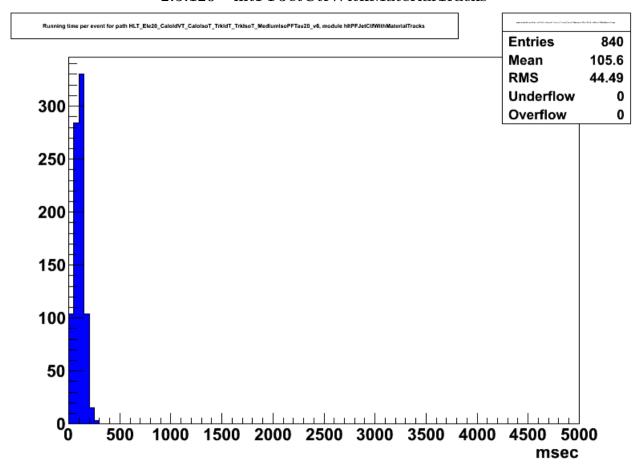
2.5.118 hltPFJetPixelSeedsFromPixelTracks



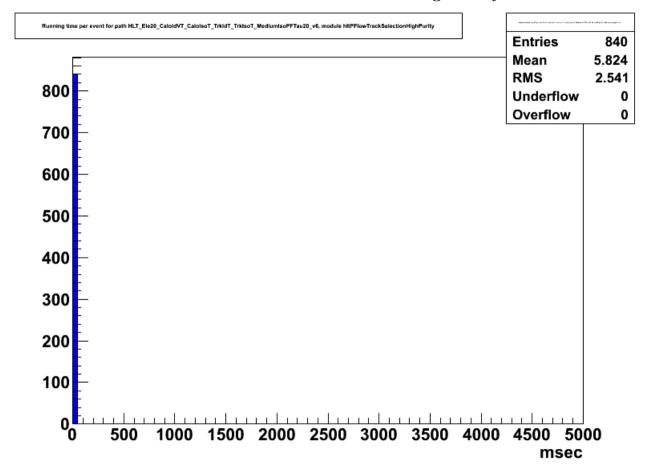
2.5.119 hltPFJetCkfTrackCandidates



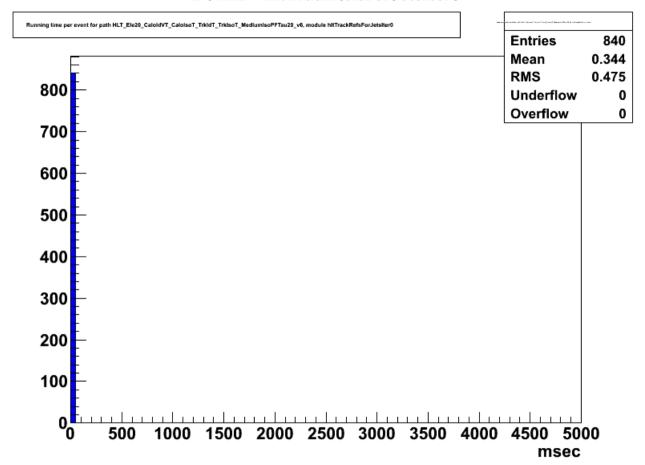
2.5.120 hltPFJetCtfWithMaterialTracks



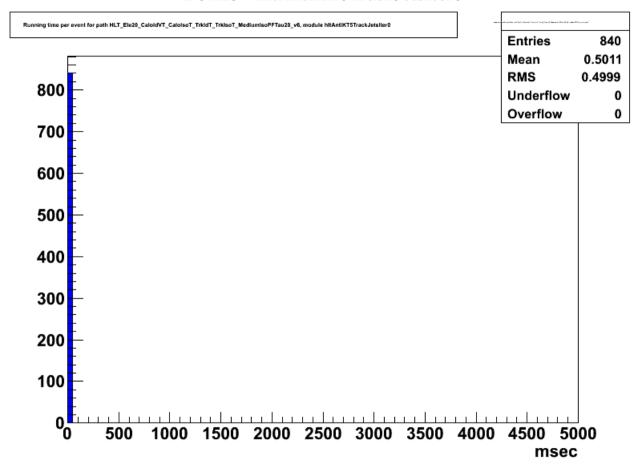
2.5.121 hltPFlowTrackSelectionHighPurity



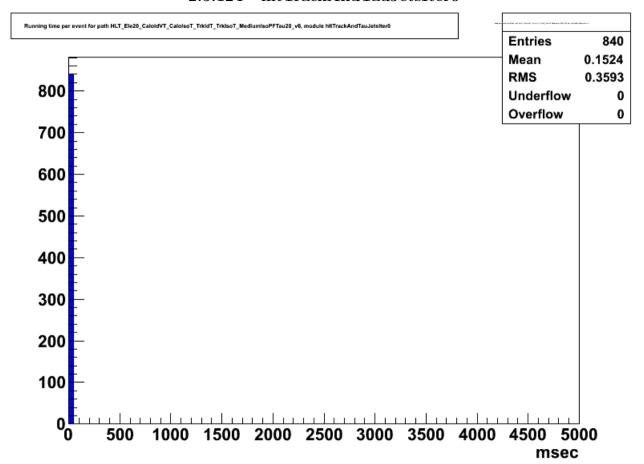
2.5.122 hltTrackRefsForJetsIter0



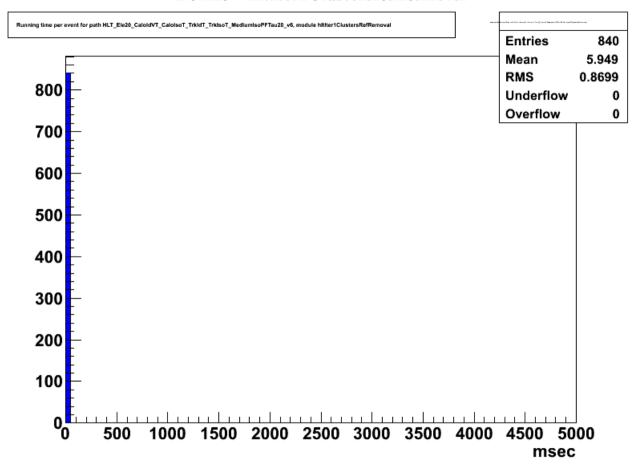
2.5.123 hltAntiKT5TrackJetsIter0



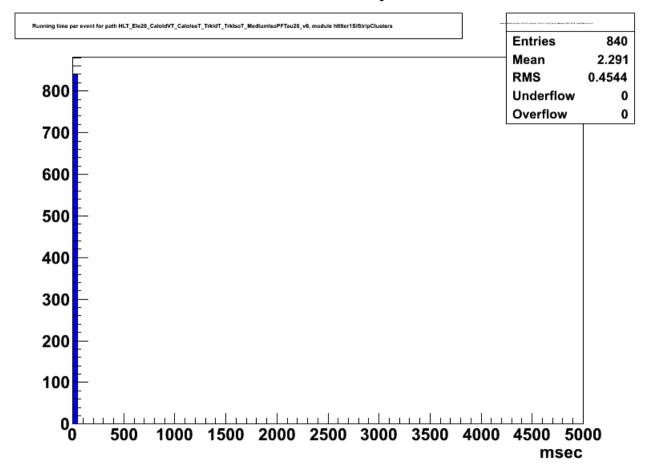
2.5.124 hltTrackAndTauJetsIter0



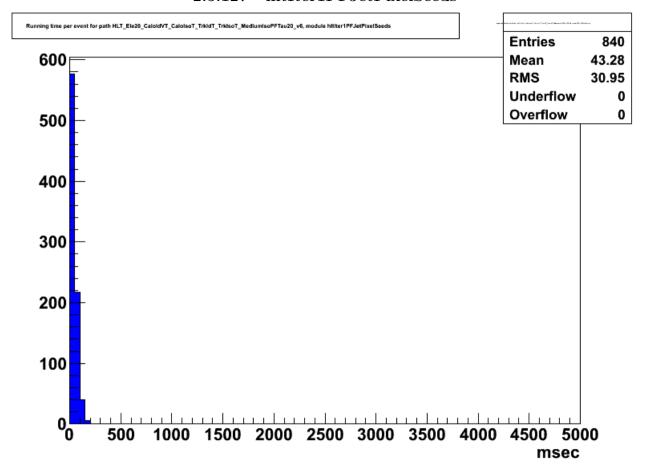
2.5.125 hltIter1ClustersRefRemoval



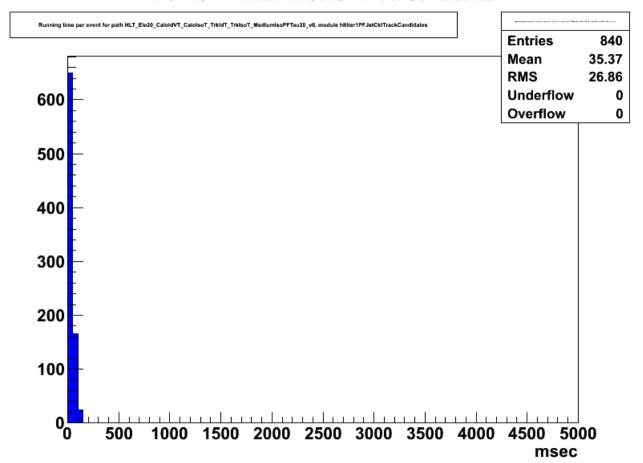
2.5.126 hltIter1SiStripClusters



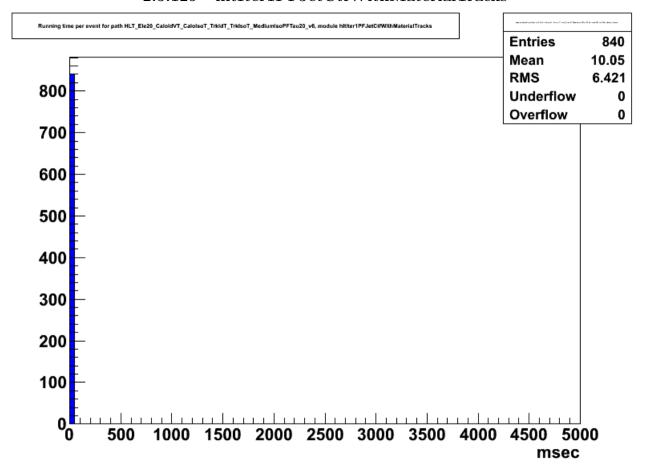
2.5.127 hltIter1PFJetPixelSeeds



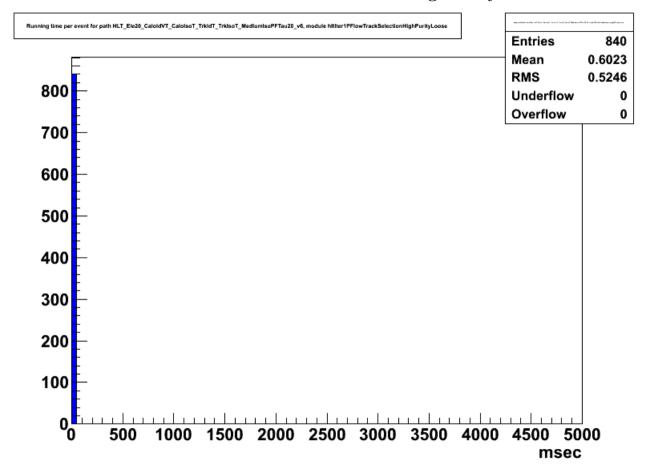
${\bf 2.5.128} \quad hlt Iter 1PF Jet Ckf Track Candidates$



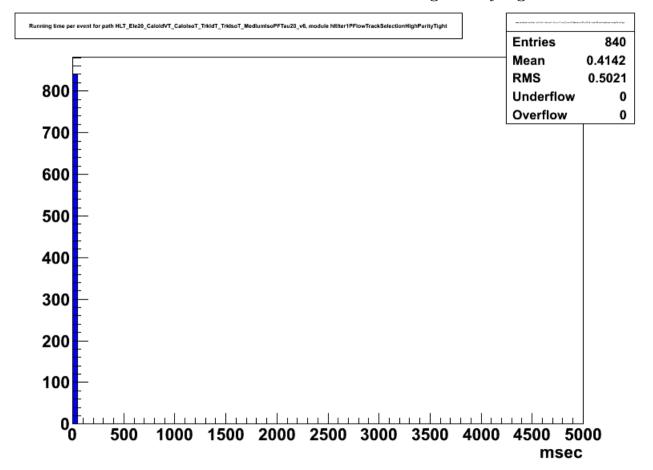
2.5.129 hltIter1PFJetCtfWithMaterialTracks



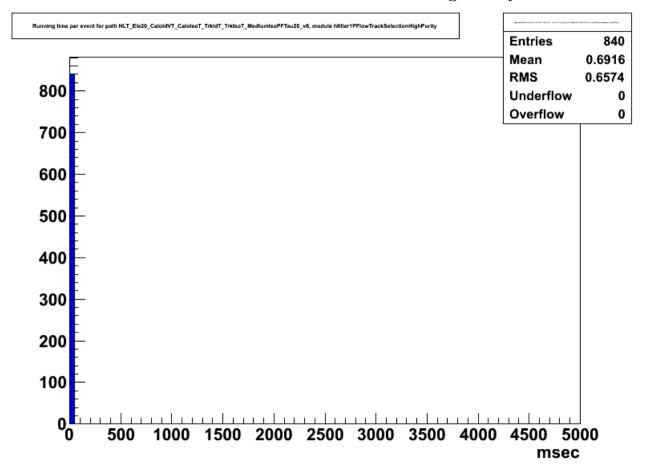
${\bf 2.5.130} \quad hlt Iter 1PF low Track Selection High Purity Loose$



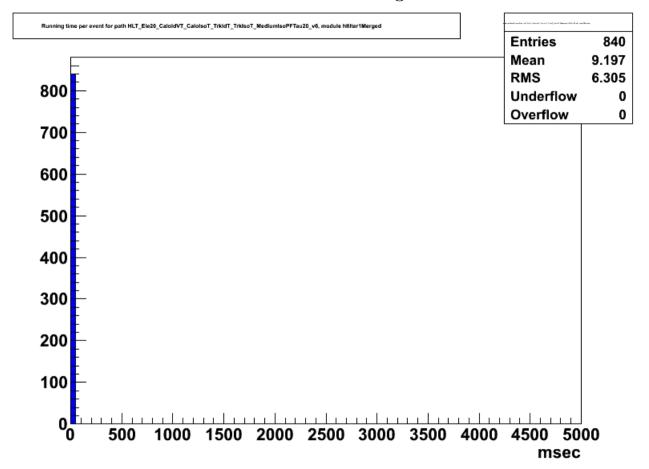
${\bf 2.5.131} \quad hlt Iter 1 PF low Track Selection High Purity Tight$



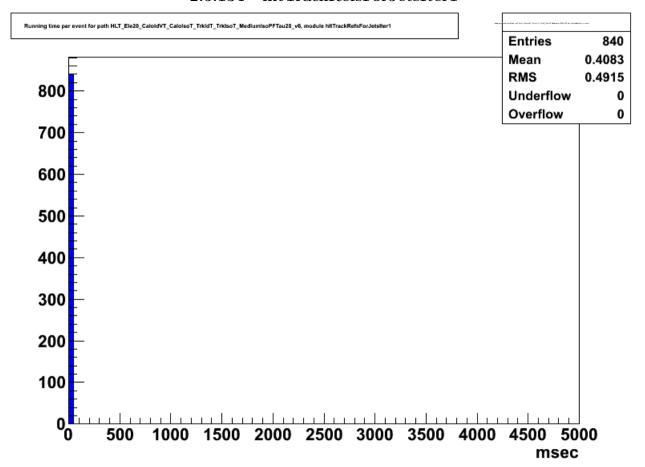
${\bf 2.5.132} \quad hlt Iter 1PF low Track Selection High Purity$



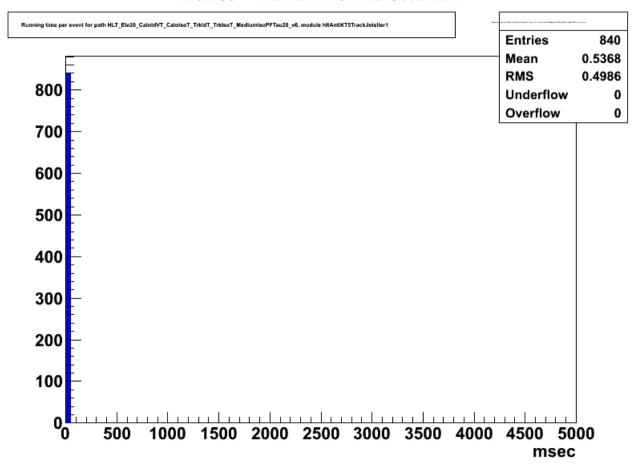
2.5.133 hltIter1Merged



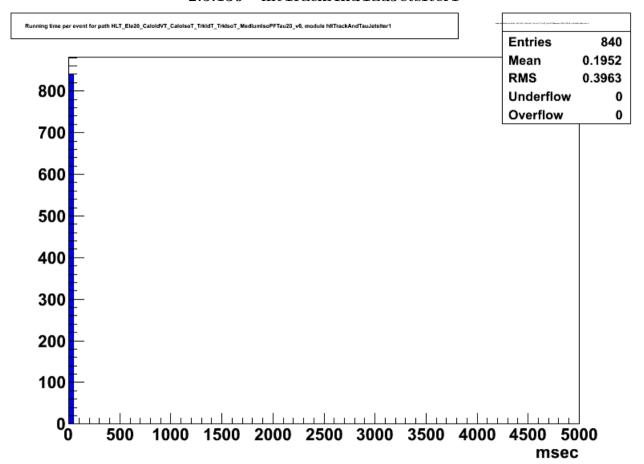
2.5.134 hltTrackRefsForJetsIter1



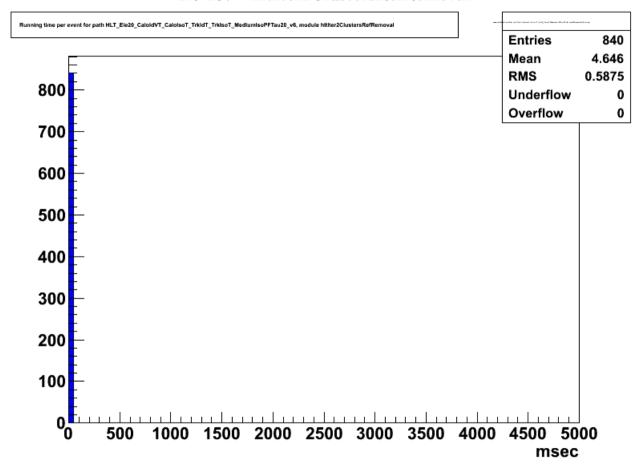
2.5.135 hltAntiKT5TrackJetsIter1



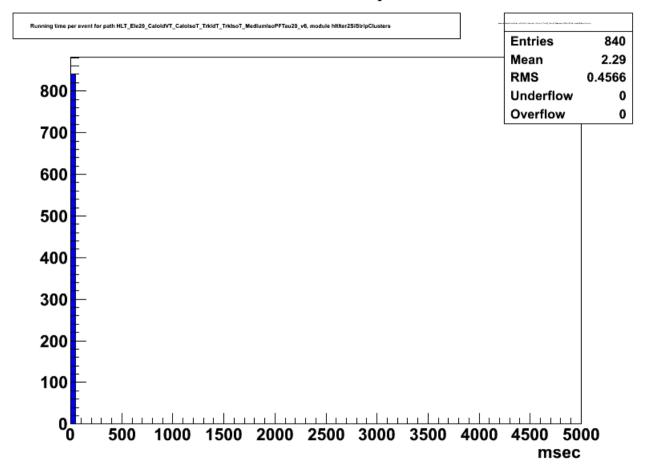
2.5.136 hltTrackAndTauJetsIter1



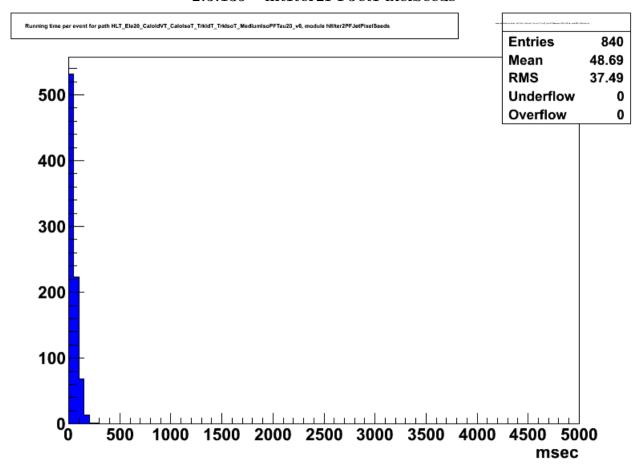
2.5.137 hltIter2ClustersRefRemoval



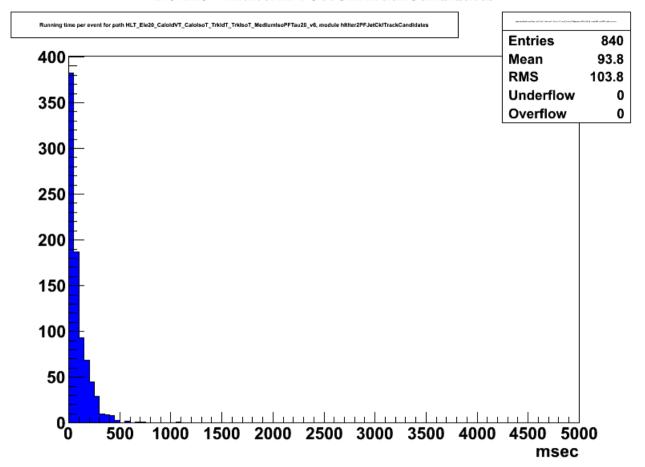
2.5.138 hltIter2SiStripClusters



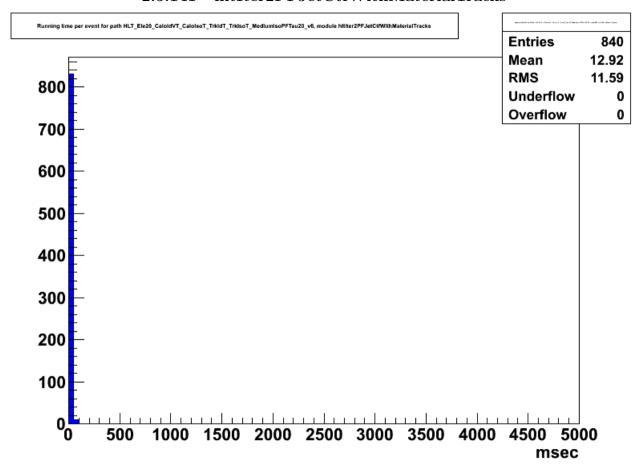
2.5.139 hltIter2PFJetPixelSeeds



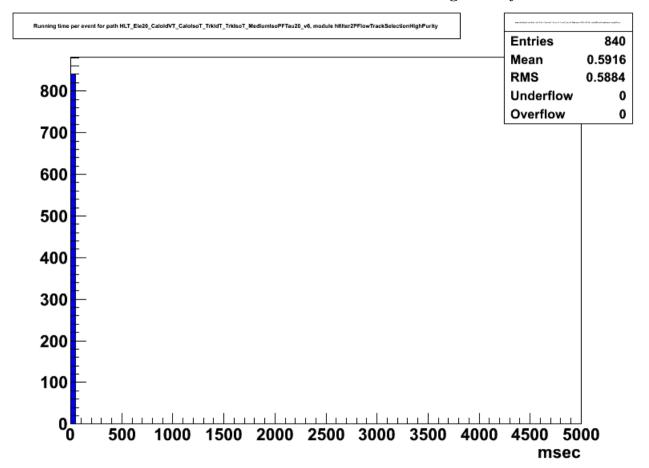
${\bf 2.5.140}\quad hlt Iter 2 PF Jet Ckf Track Candidates$



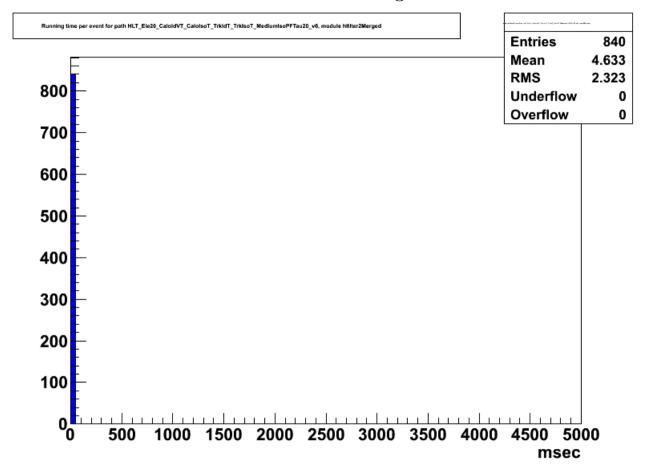
2.5.141 hltIter2PFJetCtfWithMaterialTracks



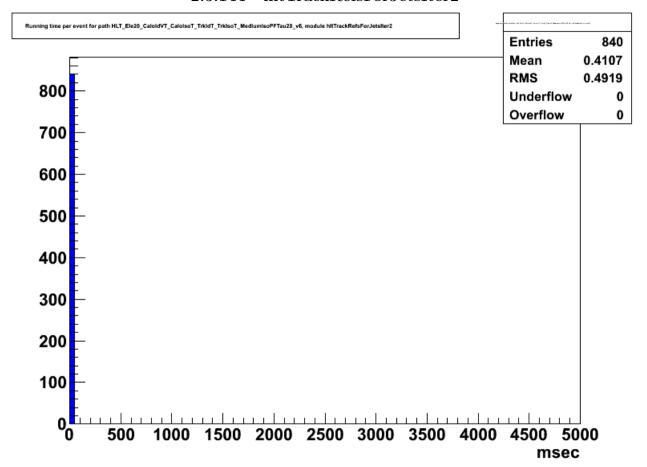
${\bf 2.5.142} \quad hlt Iter 2 PF low Track Selection High Purity$



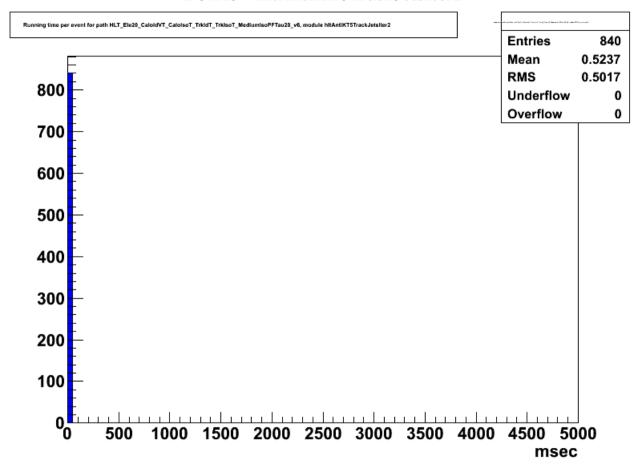
2.5.143 hltIter2Merged



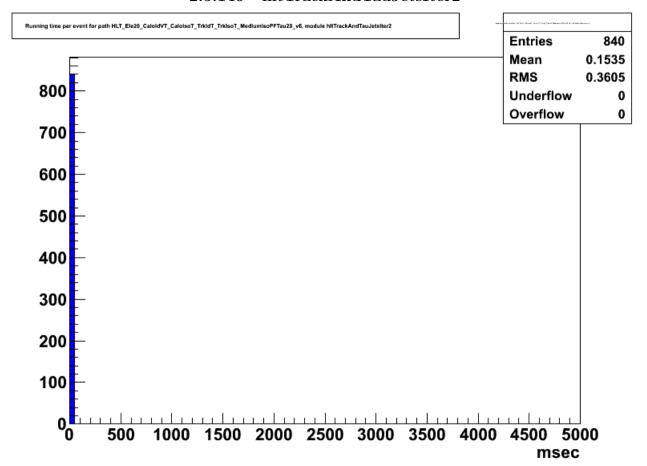
2.5.144 hltTrackRefsForJetsIter2



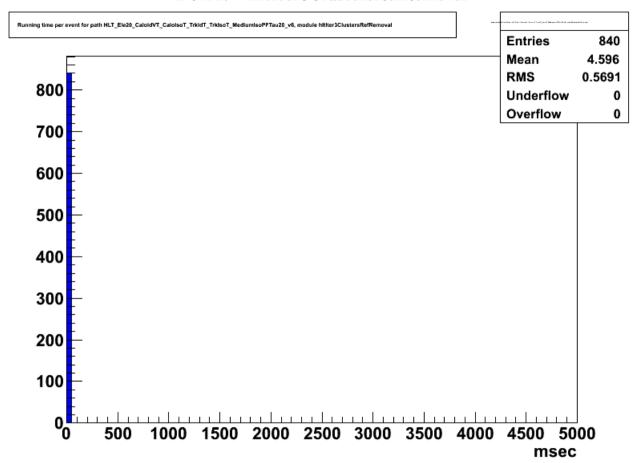
2.5.145 hltAntiKT5TrackJetsIter2



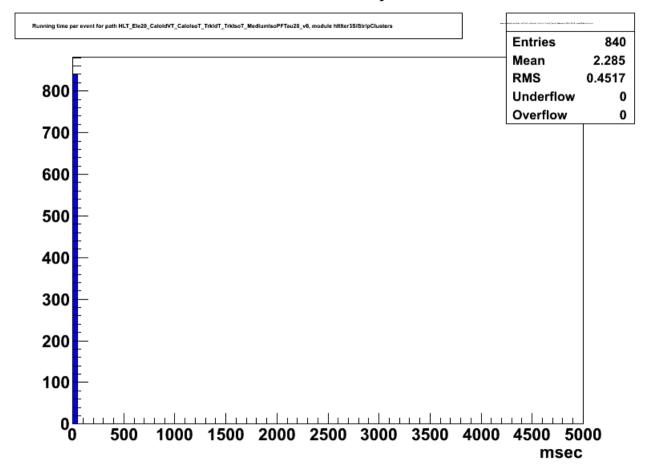
2.5.146 hltTrackAndTauJetsIter2



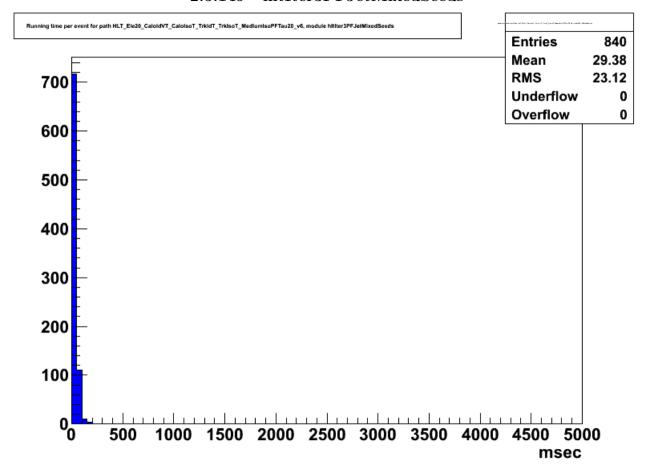
2.5.147 hltIter3ClustersRefRemoval



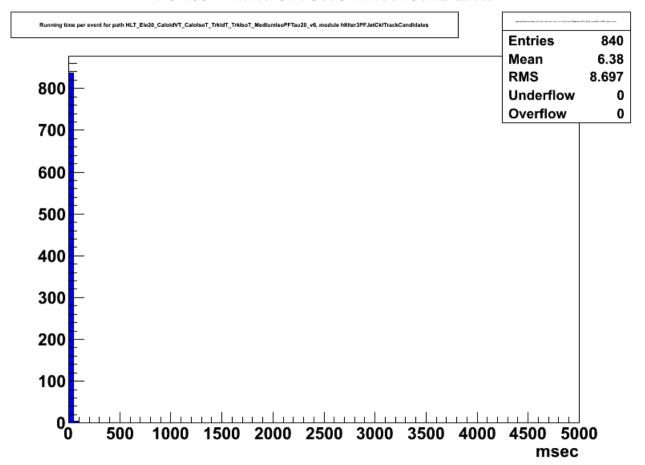
2.5.148 hltIter3SiStripClusters



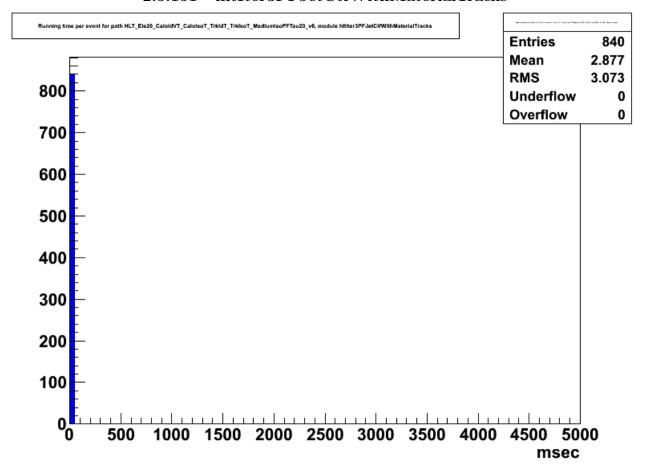
2.5.149 hltIter3PFJetMixedSeeds



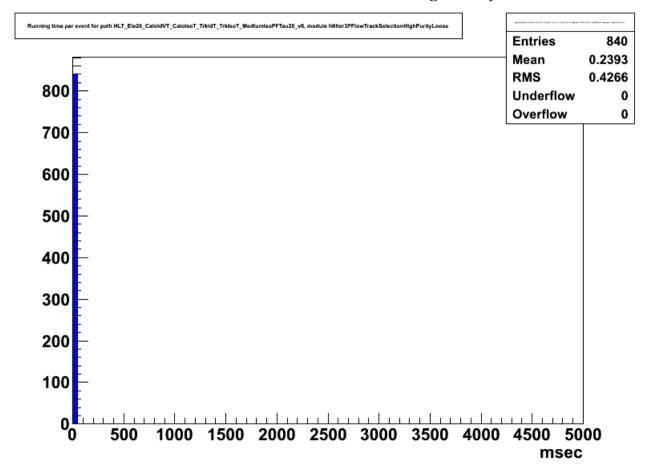
${\bf 2.5.150} \quad hlt Iter 3 PF Jet Ckf Track Candidates$



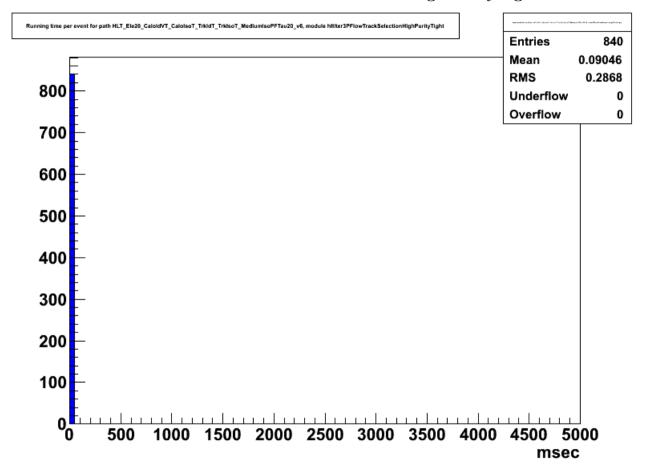
2.5.151 hltIter3PFJetCtfWithMaterialTracks



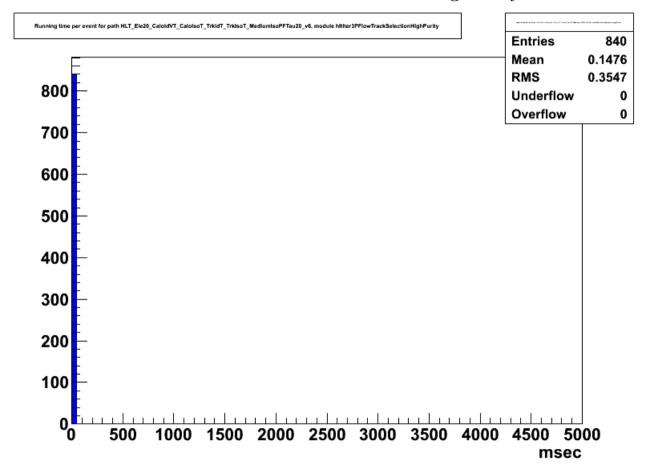
${\bf 2.5.152} \quad hlt Iter 3 PF low Track Selection High Purity Loose$



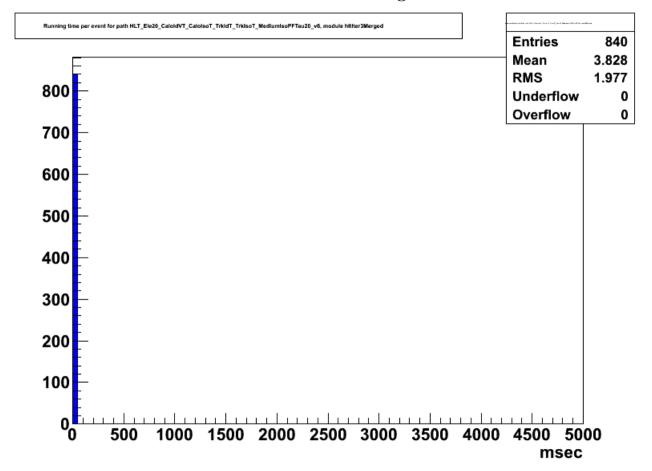
${\bf 2.5.153} \quad hlt Iter 3 PF low Track Selection High Purity Tight$



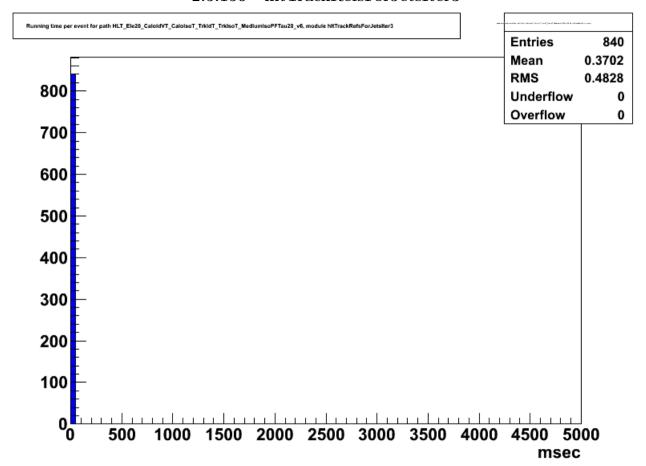
 ${\bf 2.5.154} \quad hlt Iter 3 PF low Track Selection High Purity$



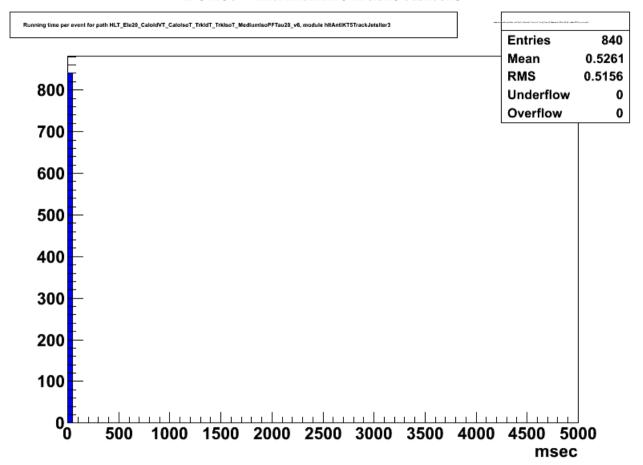
2.5.155 hltIter3Merged



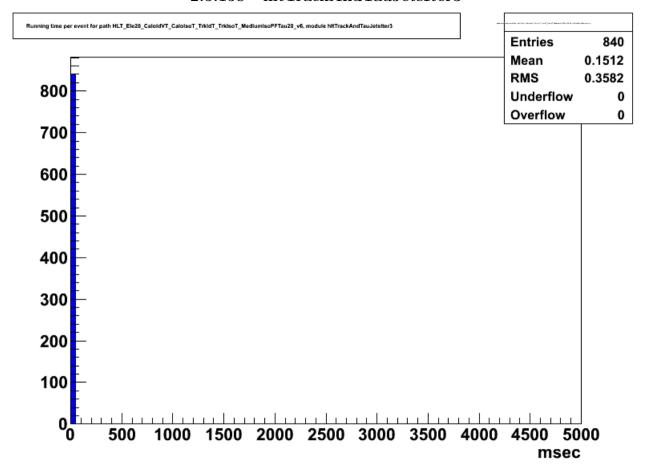
2.5.156 hltTrackRefsForJetsIter3



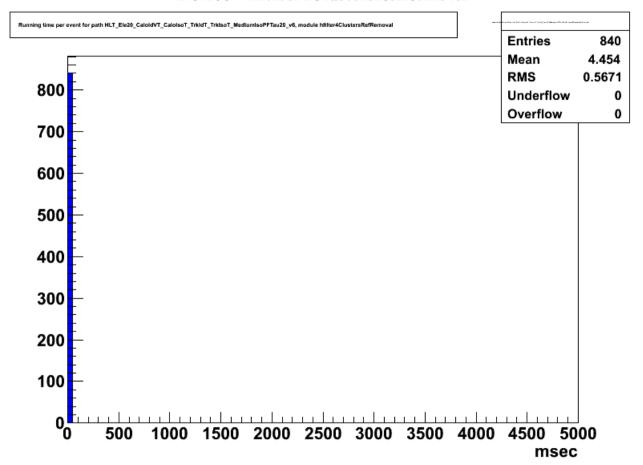
2.5.157 hltAntiKT5TrackJetsIter3



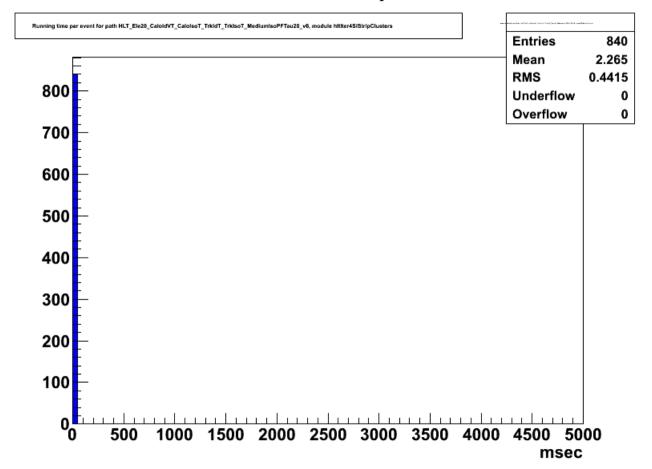
2.5.158 hltTrackAndTauJetsIter3



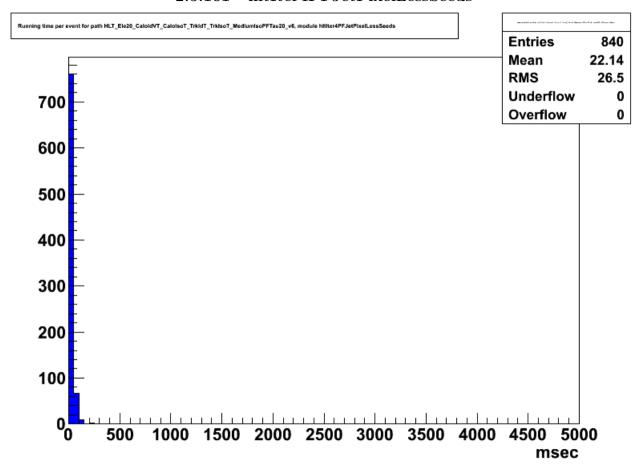
2.5.159 hltIter4ClustersRefRemoval



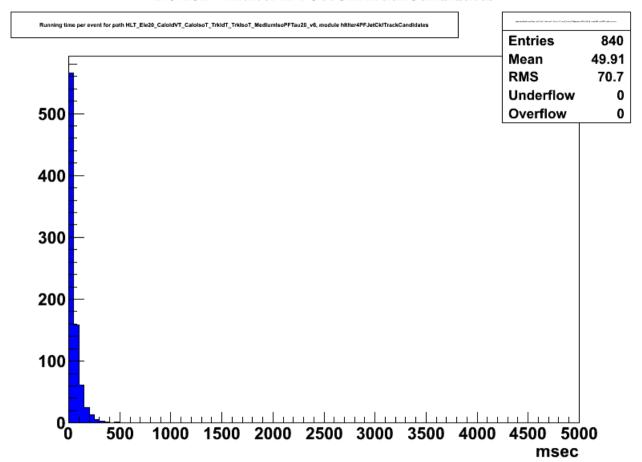
2.5.160 hltIter4SiStripClusters



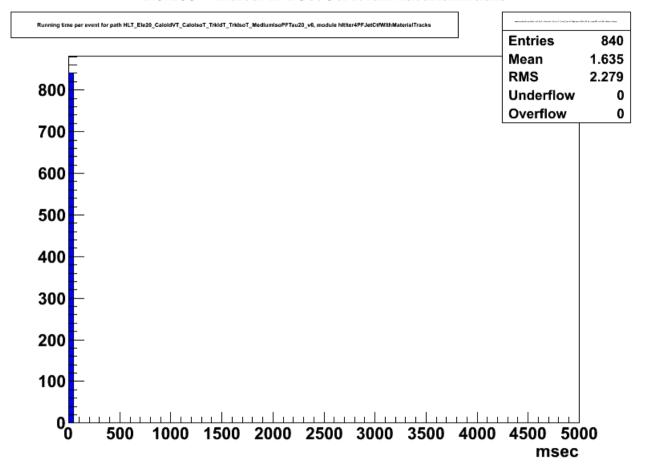
2.5.161 hltIter4PFJetPixelLessSeeds



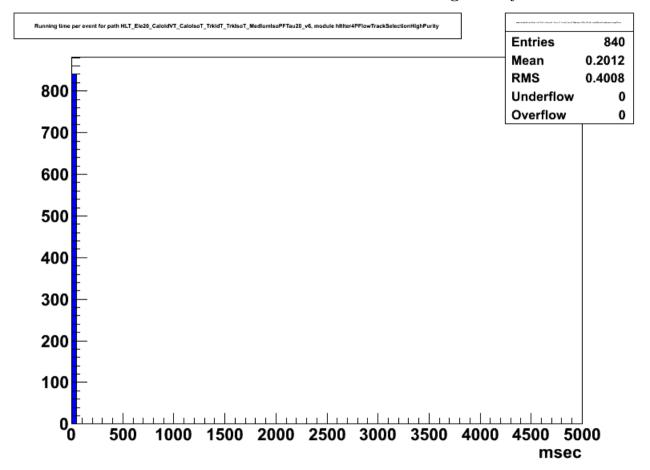
${\bf 2.5.162} \quad hlt Iter 4 PF Jet Ckf Track Candidates$



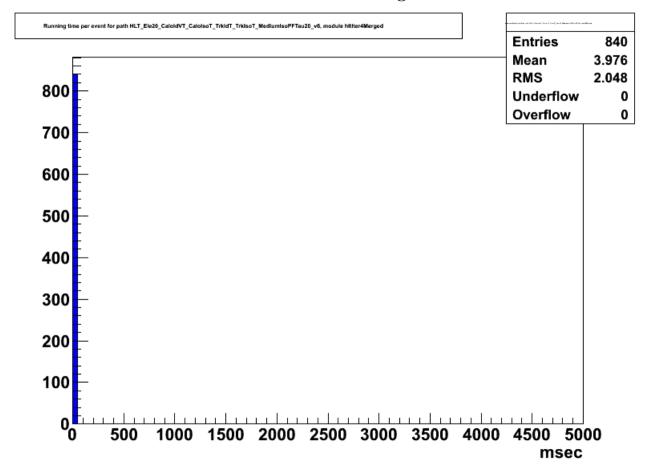
2.5.163 hltIter4PFJetCtfWithMaterialTracks



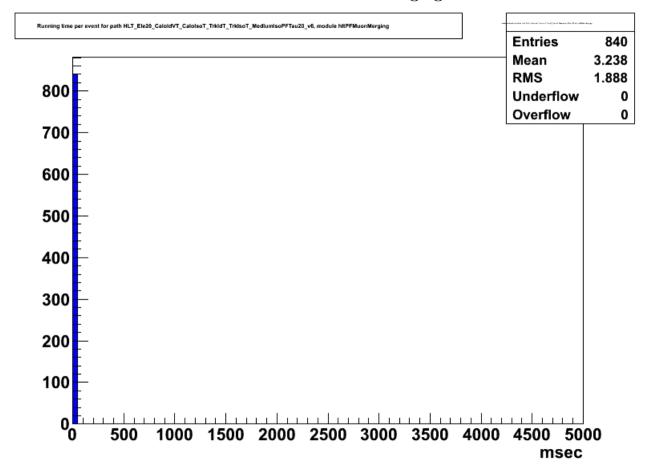
2.5.164 hltIter4PFlowTrackSelectionHighPurity



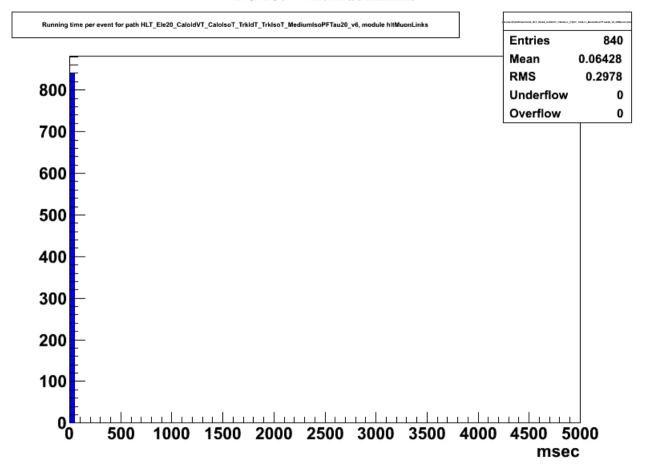
2.5.165 hltIter4Merged



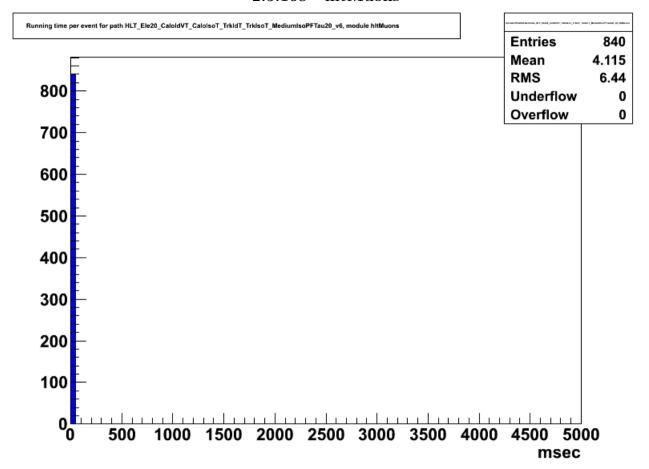
2.5.166 hltPFMuonMerging



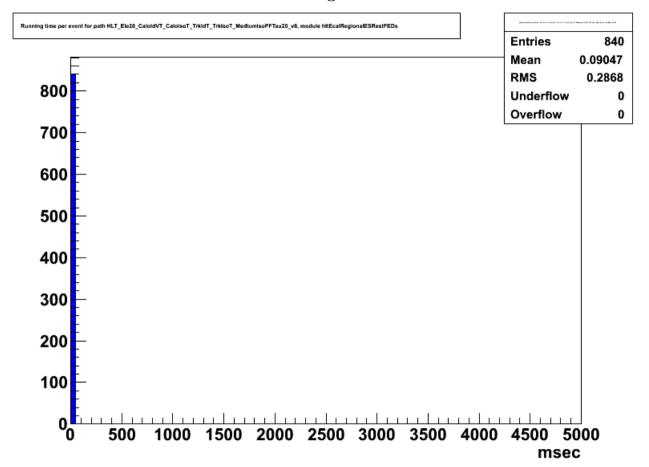
2.5.167 hltMuonLinks



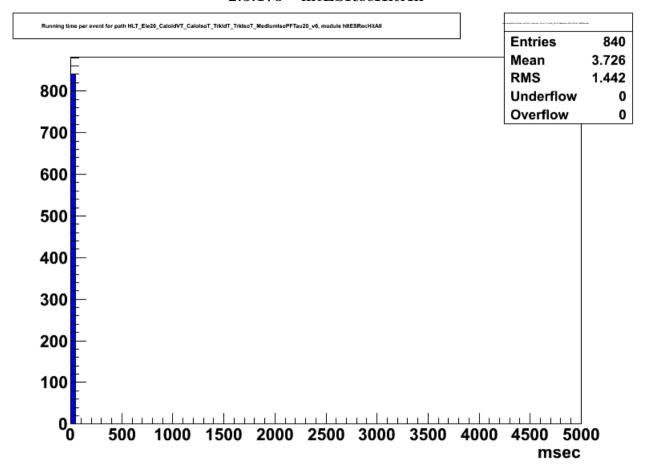
2.5.168 hltMuons



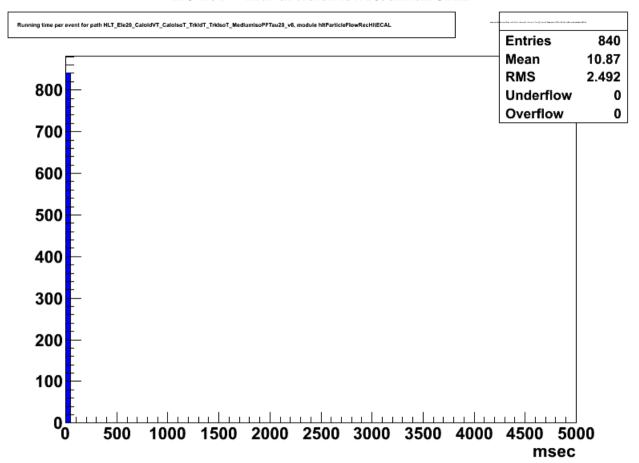
 $2.5.169 \quad hlt Ecal Regional ESR est FEDs$



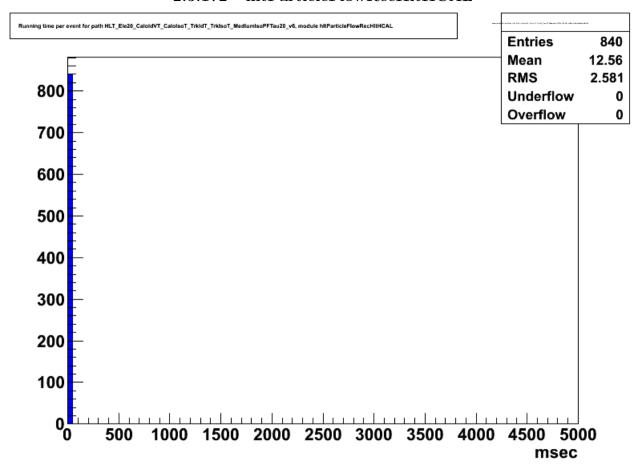
2.5.170 hltESRecHitAll



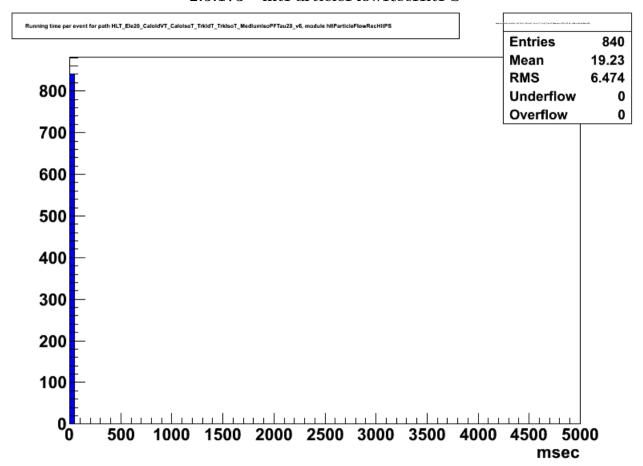
2.5.171 hltParticleFlowRecHitECAL



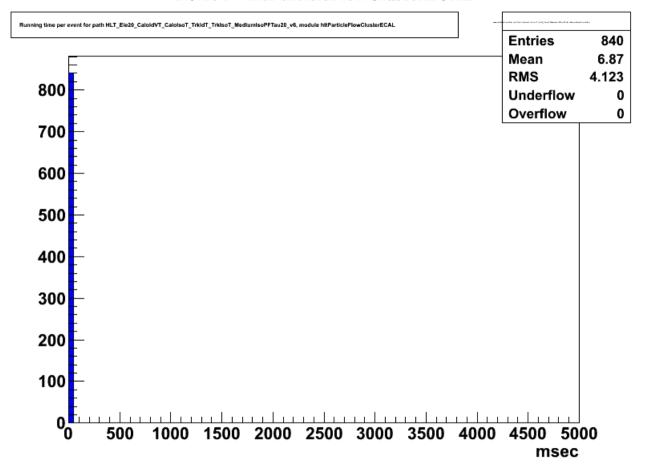
2.5.172 hltParticleFlowRecHitHCAL



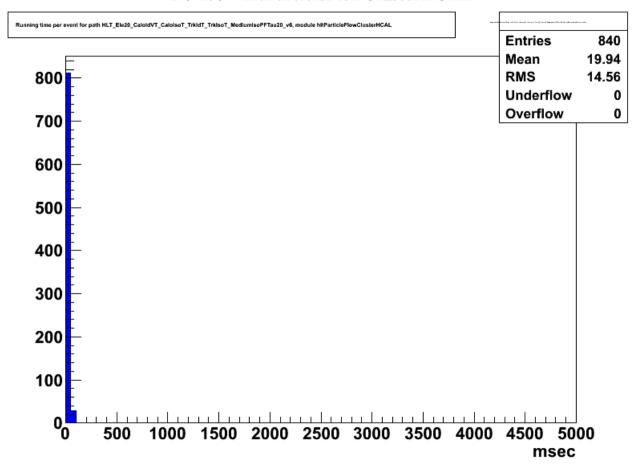
2.5.173 hltParticleFlowRecHitPS



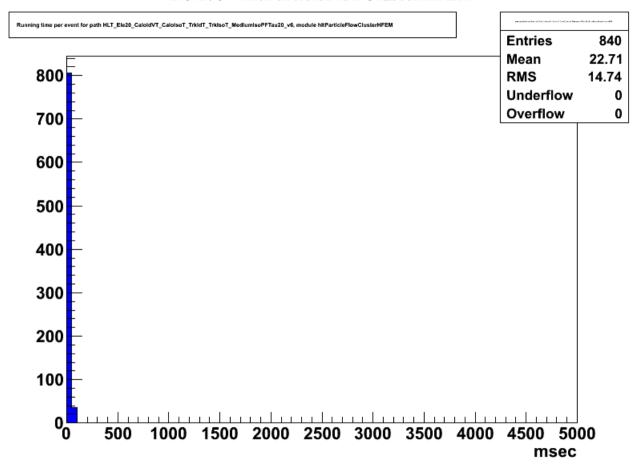
2.5.174 hltParticleFlowClusterECAL



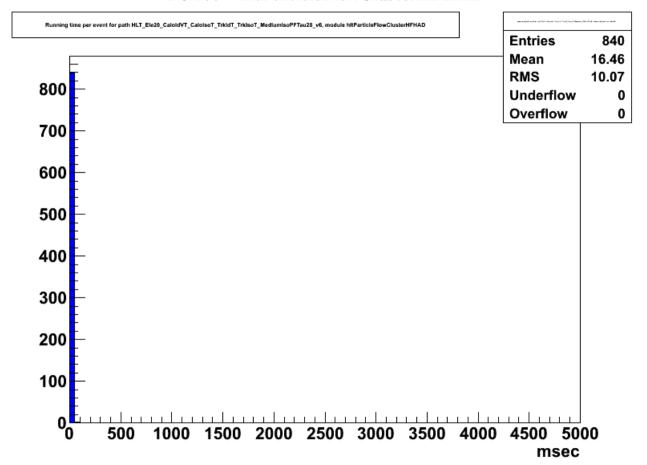
2.5.175 hltParticleFlowClusterHCAL



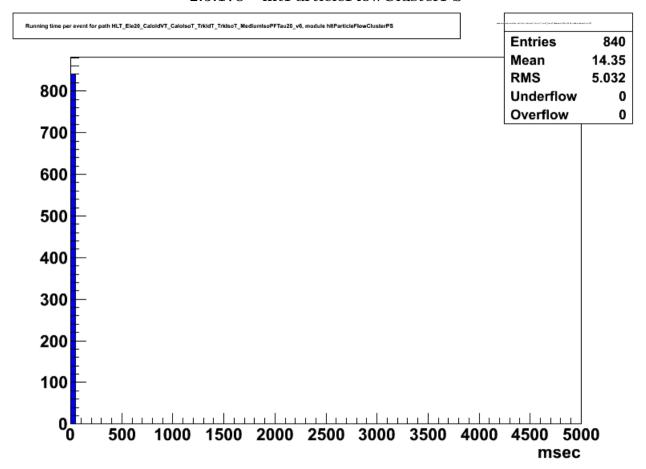
2.5.176 hltParticleFlowClusterHFEM



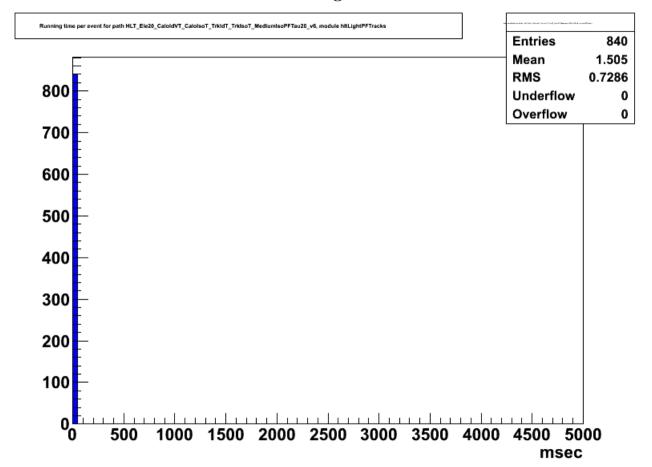
2.5.177 hltParticleFlowClusterHFHAD



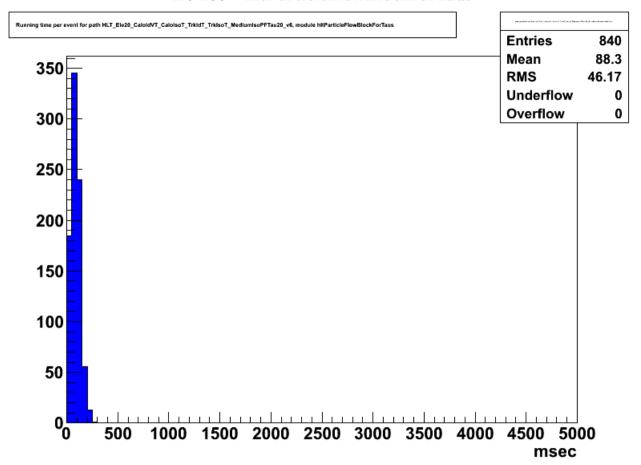
2.5.178 hltParticleFlowClusterPS



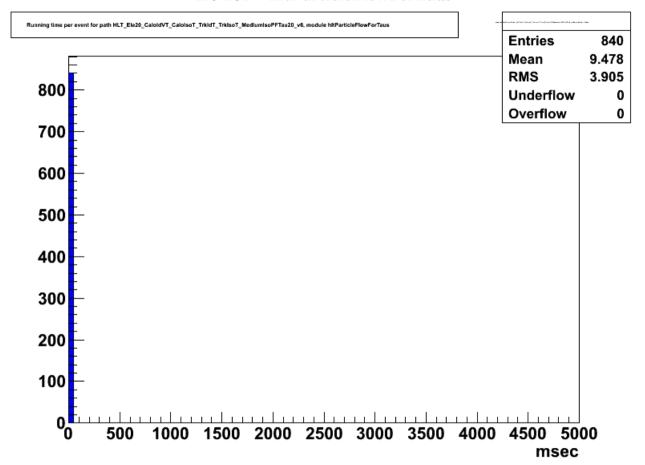
 ${\bf 2.5.179} \quad {\bf hltLightPFTracks}$



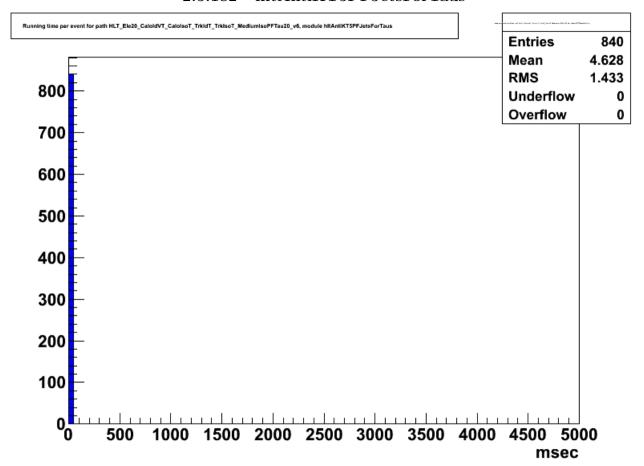
2.5.180 hltParticleFlowBlockForTaus



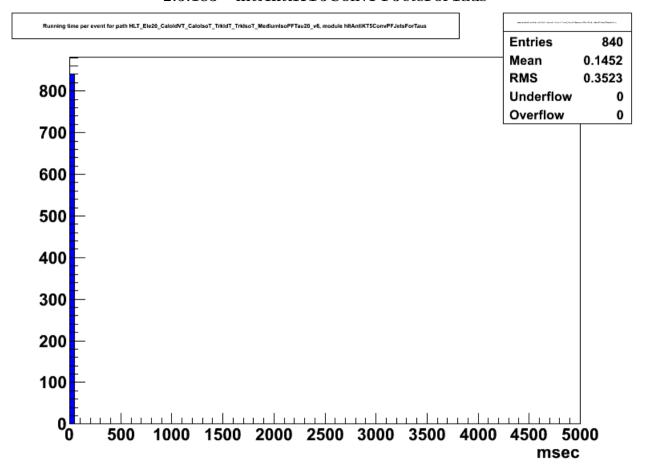
2.5.181 hltParticleFlowForTaus



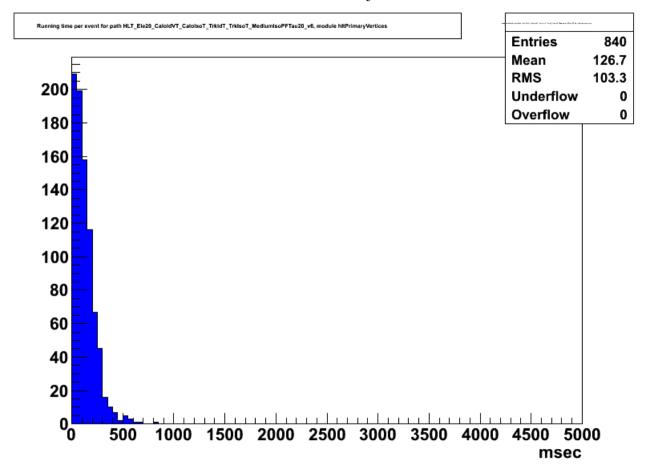
2.5.182 hltAntiKT5PFJetsForTaus



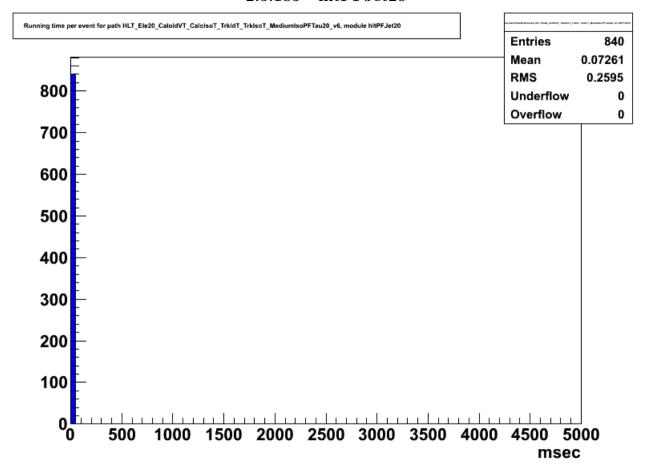
2.5.183 hltAntiKT5ConvPFJetsForTaus



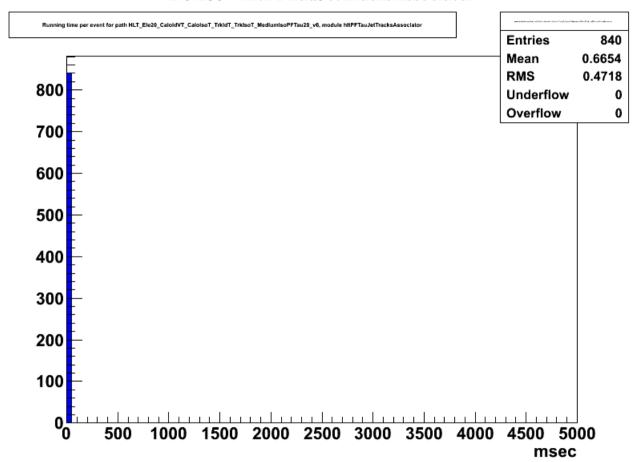
2.5.184 hltPrimaryVertices



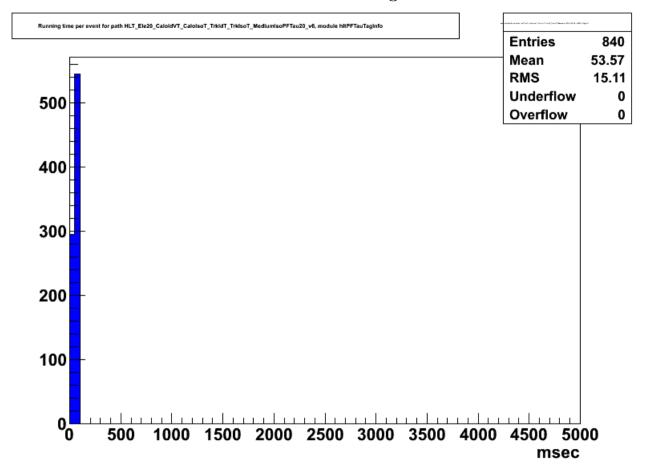
2.5.185 hltPFJet20



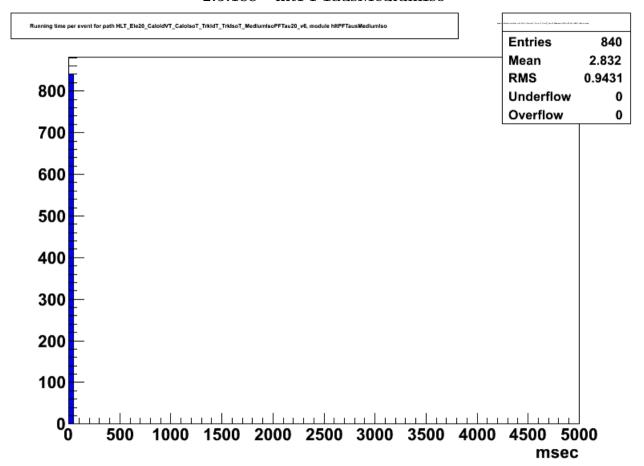
2.5.186 hltPFTauJetTracksAssociator



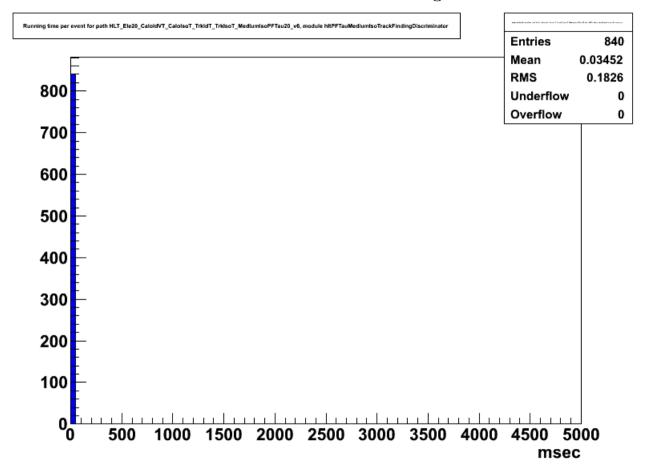
2.5.187 hltPFTauTagInfo



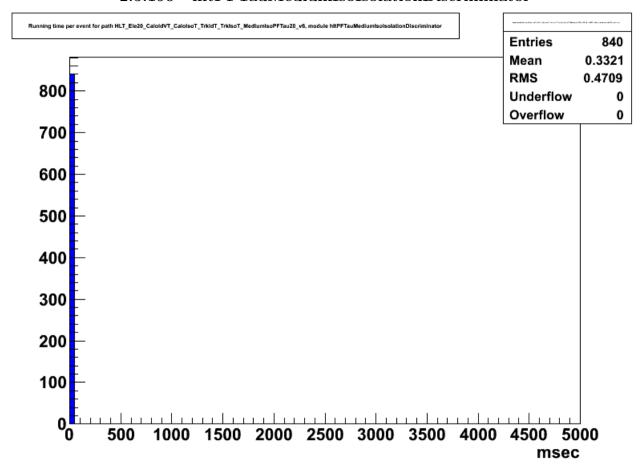
2.5.188 hltPFTausMediumIso



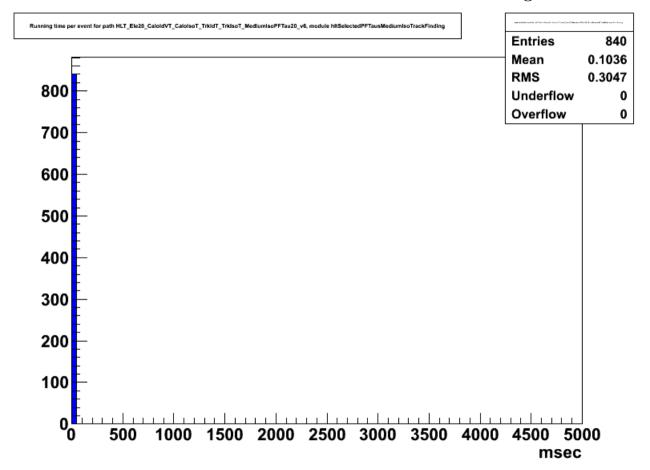
${\bf 2.5.189} \quad {\bf hltPFTauMediumIsoTrackFindingDiscriminator}$



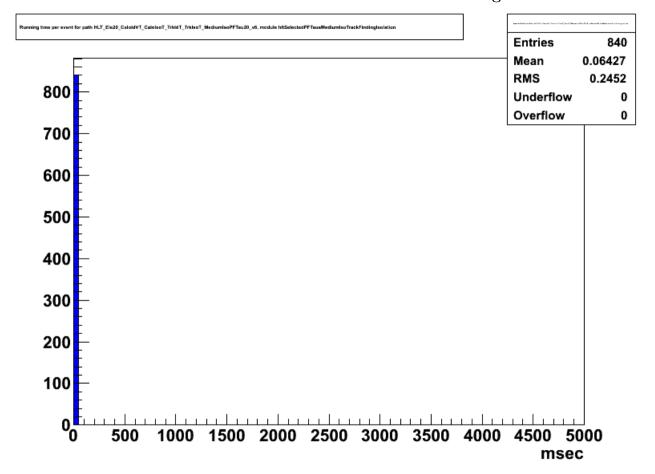
${\bf 2.5.190} \quad hltPFT au Medium Iso Isolation Discriminator$



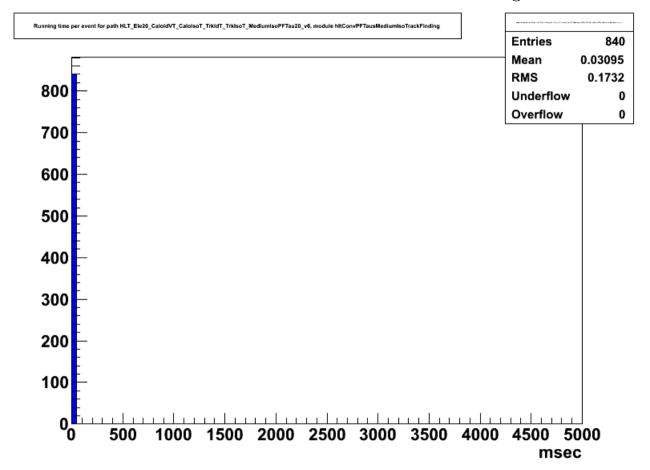
${\bf 2.5.191} \quad {\bf hltSelectedPFTausMediumIsoTrackFinding}$



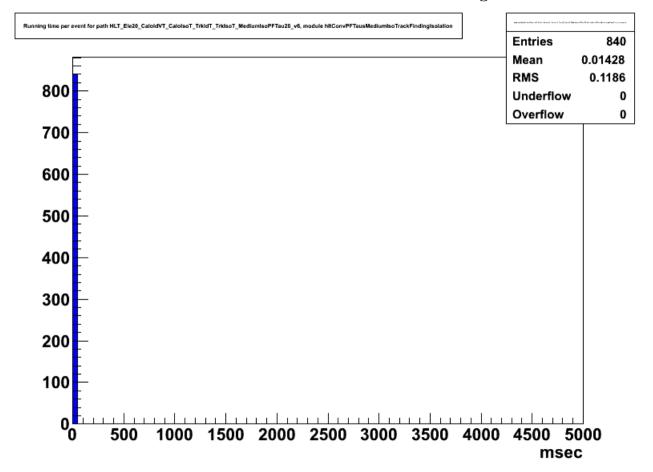
${\bf 2.5.192} \quad hlt Selected PFT aus Medium Iso Track Finding Isolation$



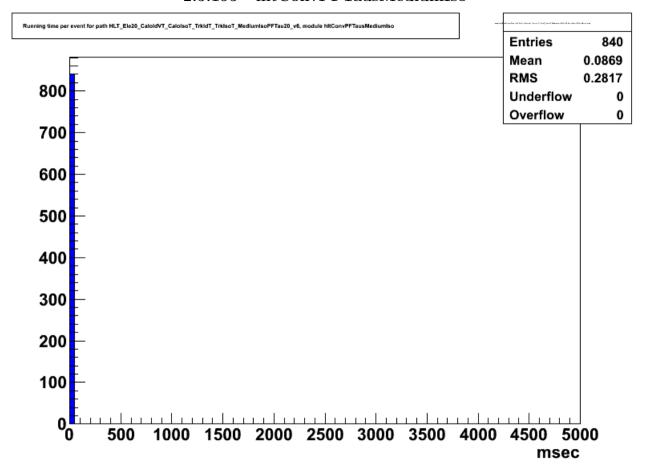
2.5.193 hltConvPFTausMediumIsoTrackFinding



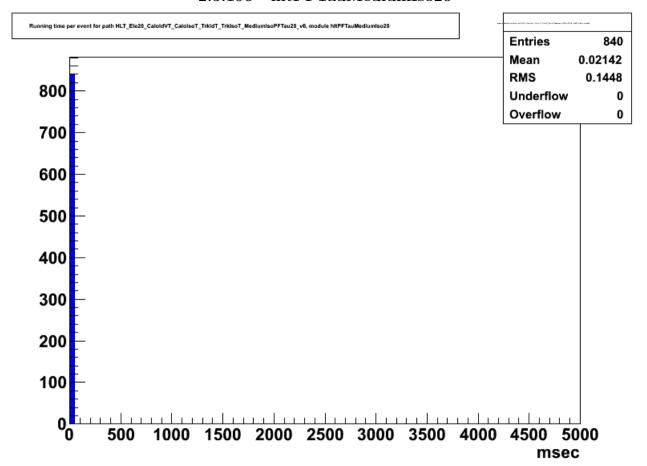
${\bf 2.5.194} \quad hlt ConvPFT aus Medium Iso Track Finding Isolation$



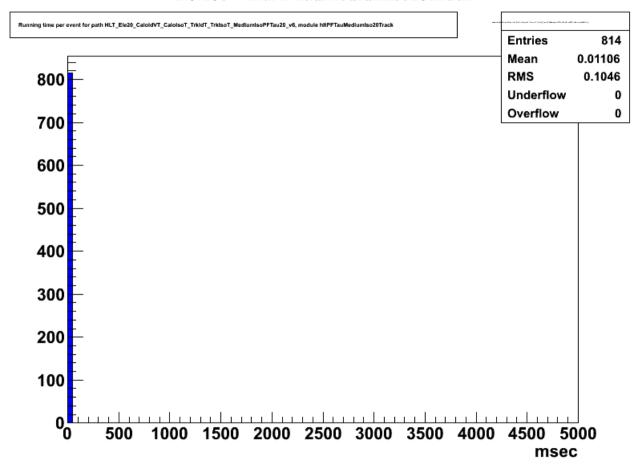
2.5.195 hltConvPFTausMediumIso



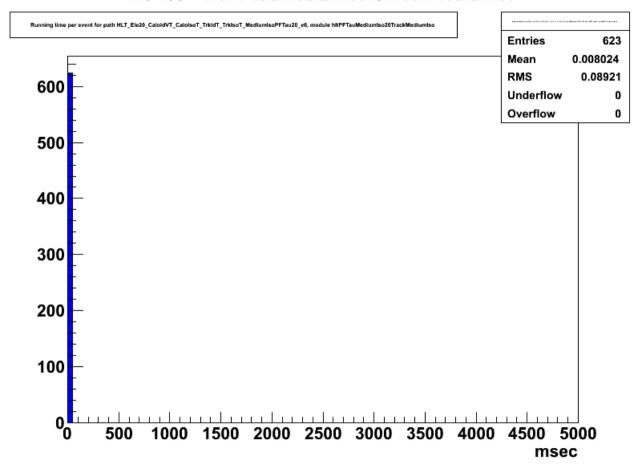
2.5.196 hltPFTauMediumIso20



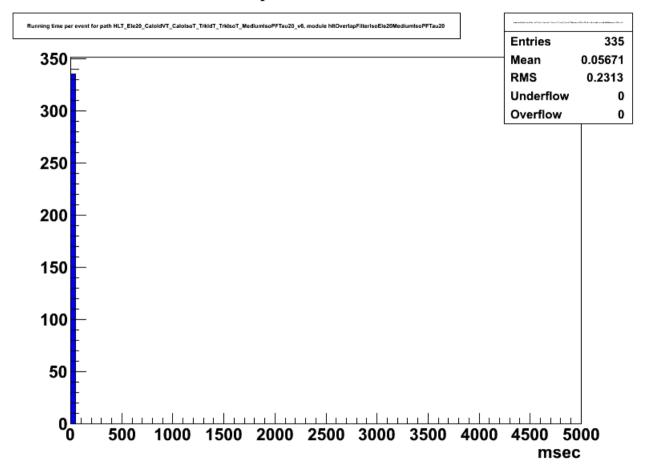
2.5.197 hltPFTauMediumIso20Track



2.5.198 hltPFTauMediumIso20TrackMediumIso



$2.5.199 \quad hlt Overlap Filter Iso Ele 20 Medium Iso PFT au 20$



2.5.200 hltBoolEnd

