HLT Timing Summary [1]

Main Info + HLT_L2Mu70_PFMHT65_v1 info

CMS Experiment

November 18, 2011

[1] Documentation at https://twiki.cern.ch/twiki/bin/view/CMS/SWGuideHLTTimingSummary

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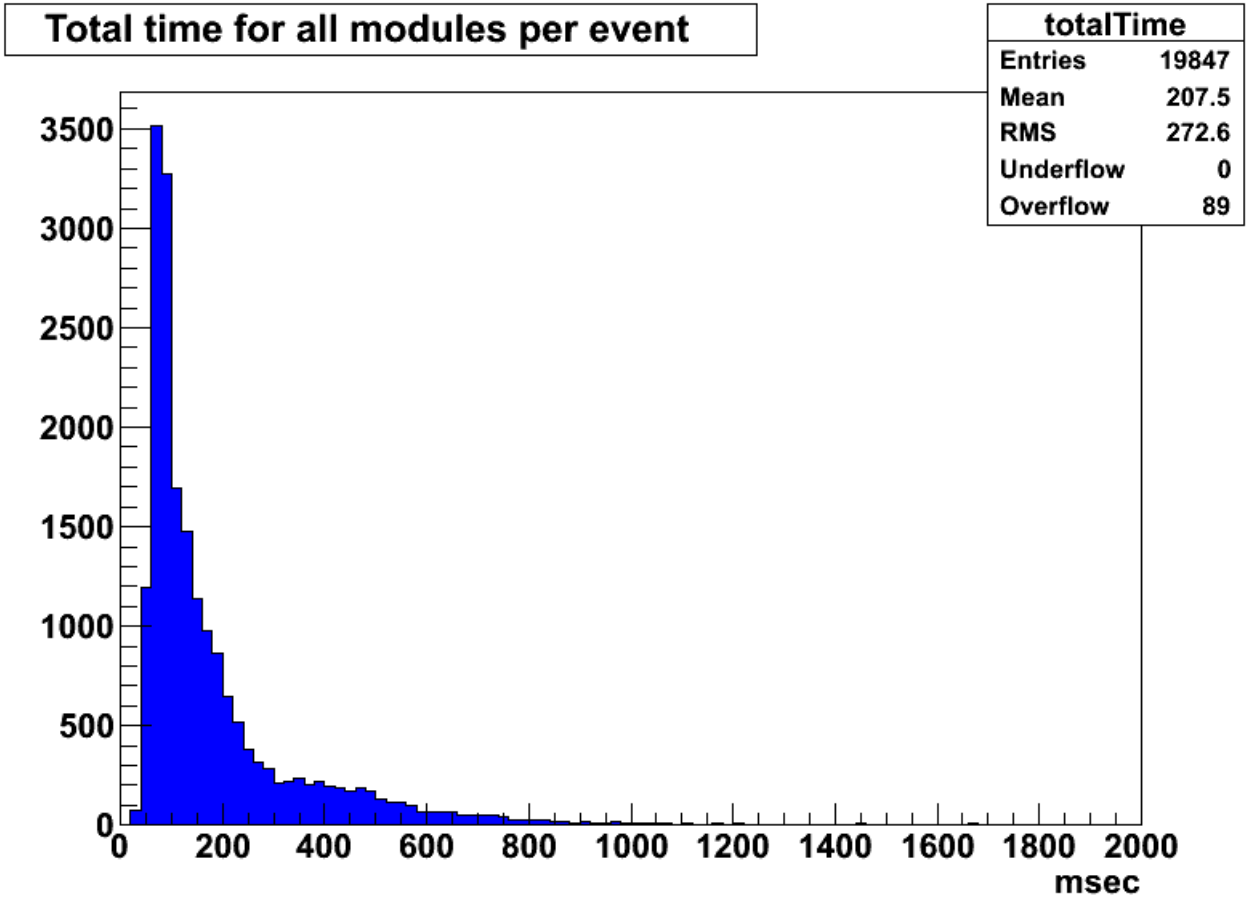
Chapter 1

Main Info

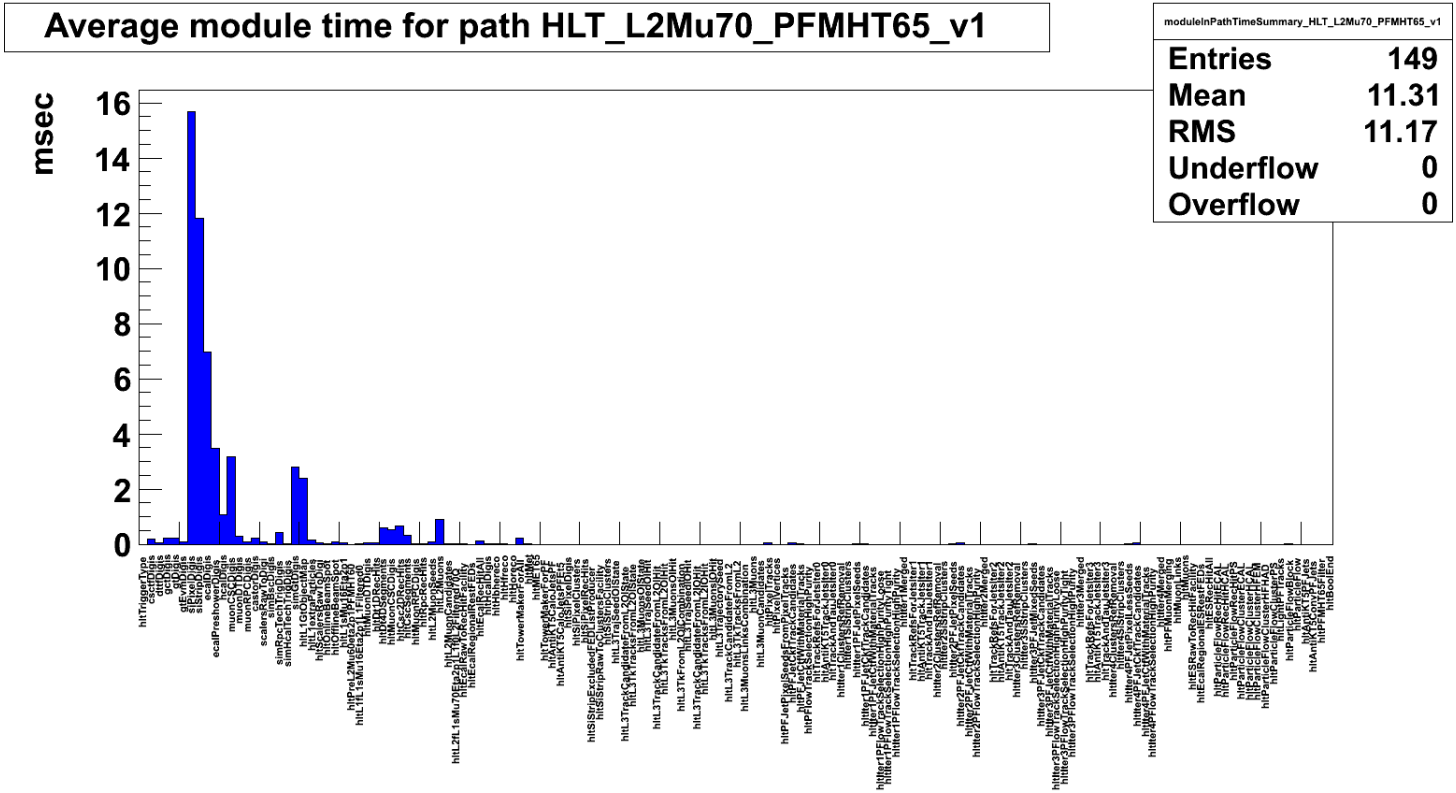
1.1 Total time for all modules per event



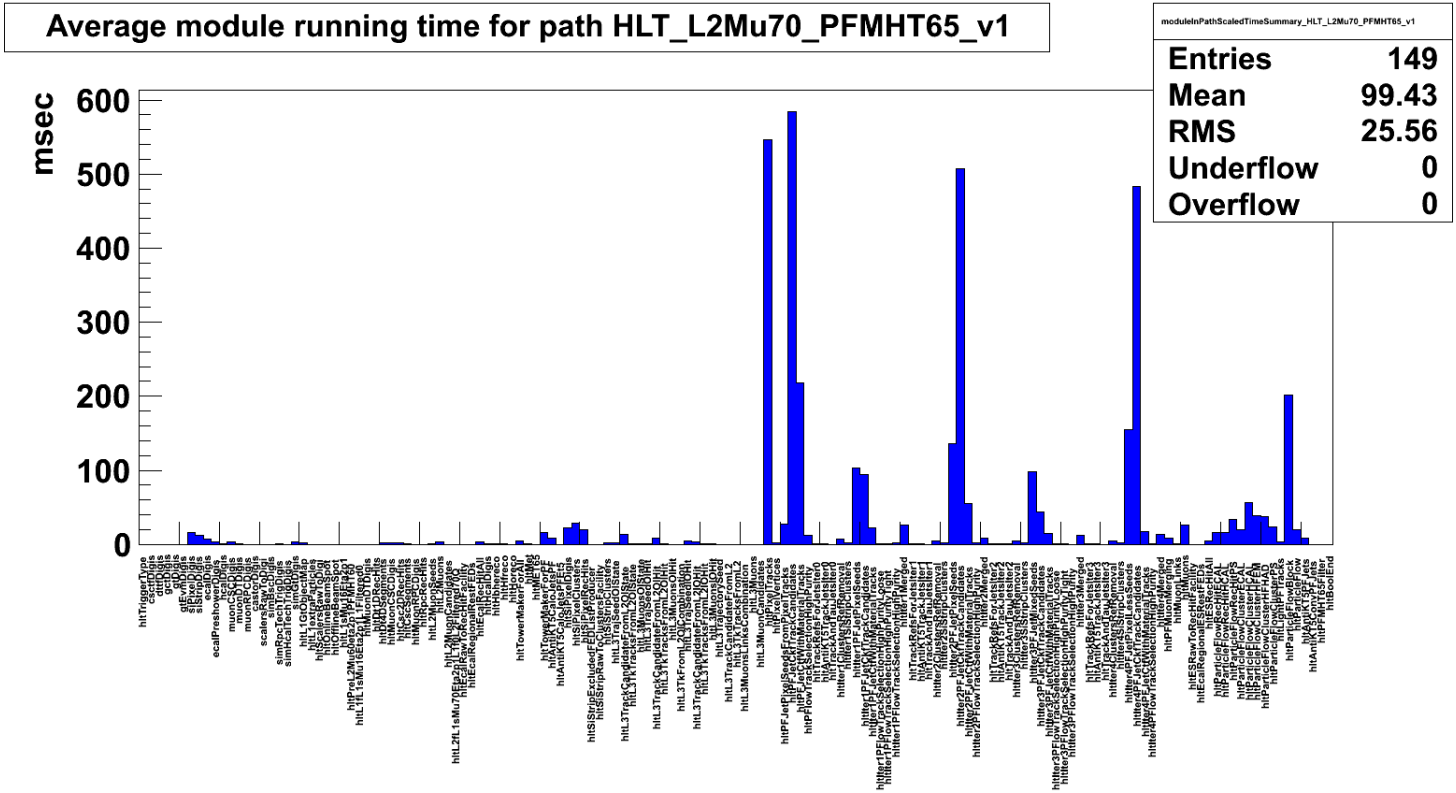
Chapter 2

HLT_L2Mu70_PFMHT65_v1 Info

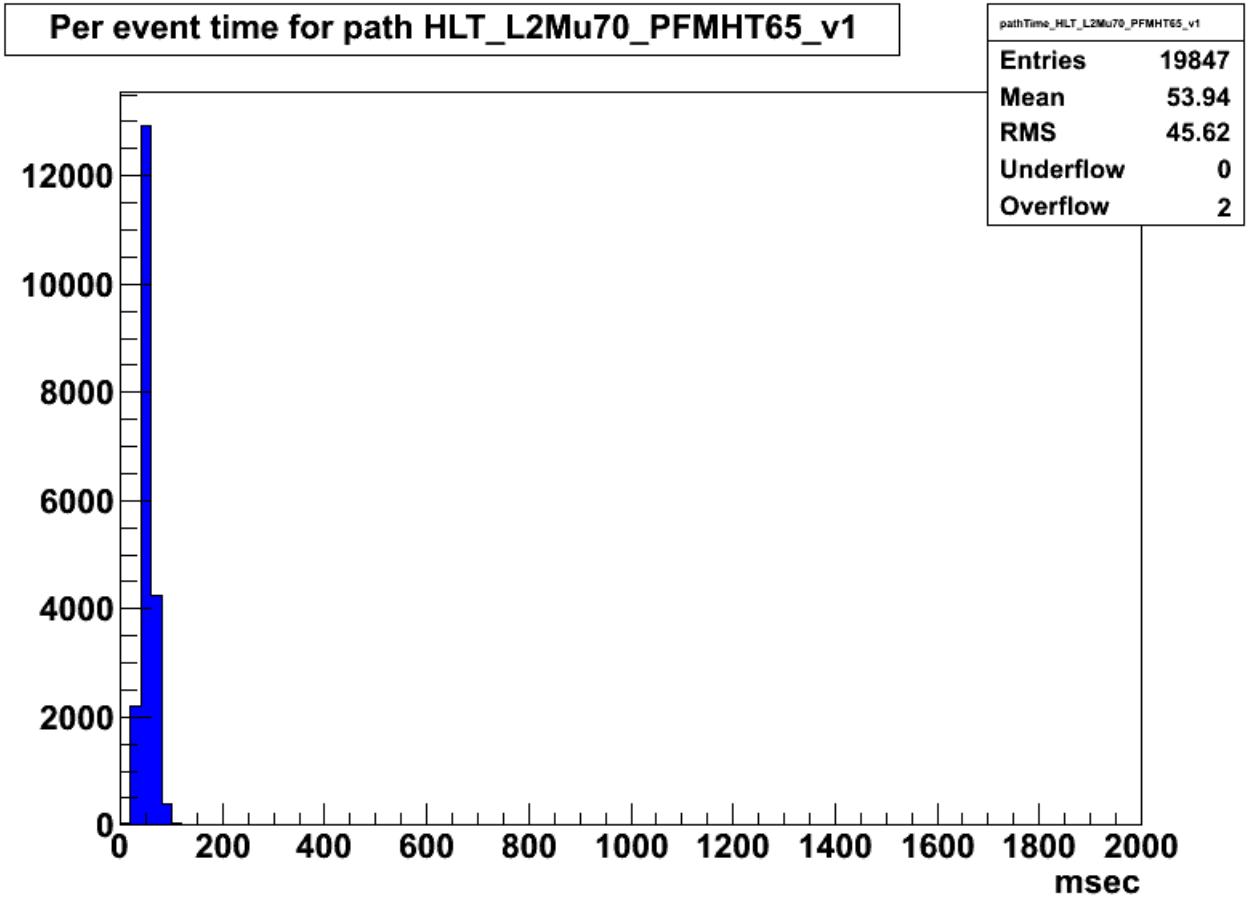
2.1 Average module in HLT_L2Mu70_PFMHT65_v1 time



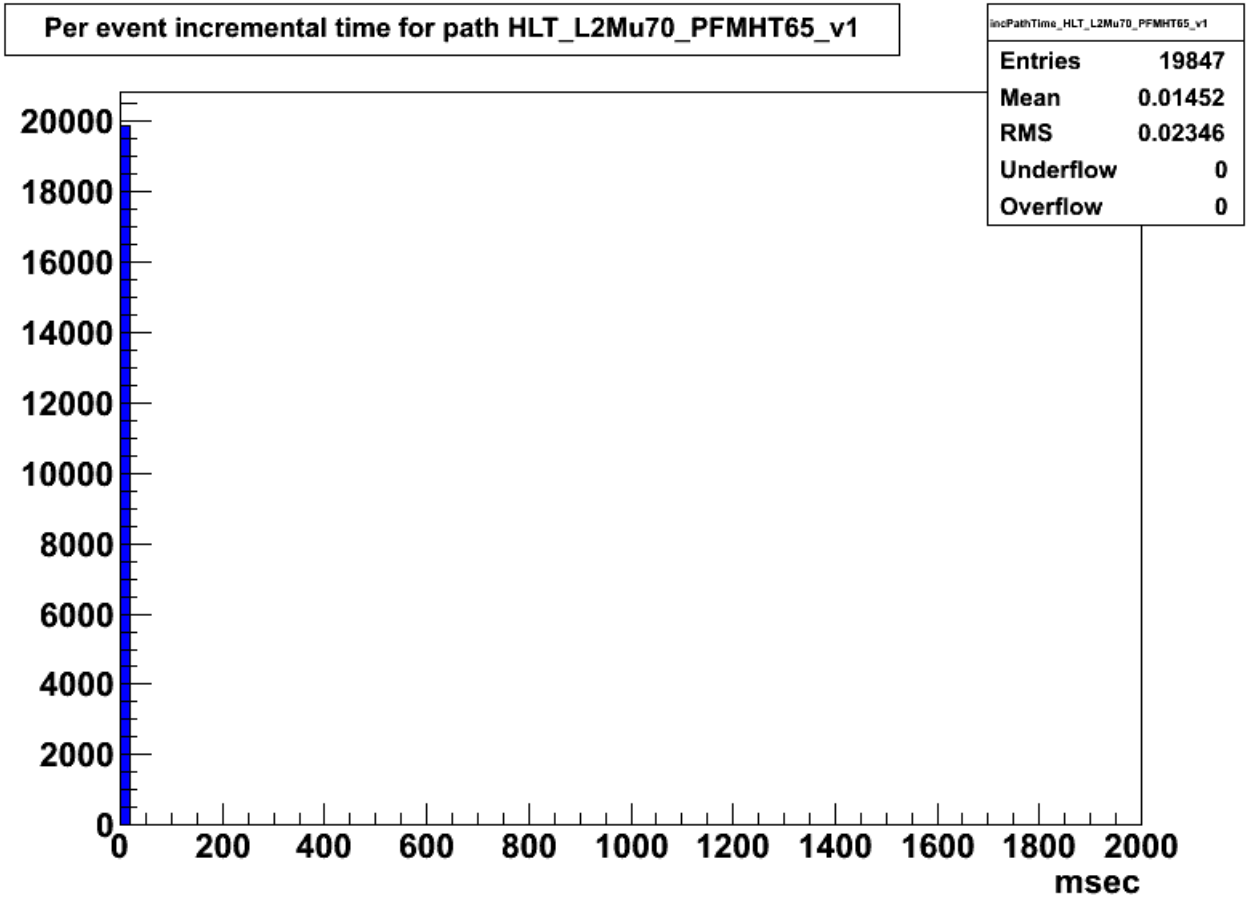
2.2 Average module in HLT_L2Mu70_PFMHT65_v1 running time



2.3 Per event time for HLT_L2Mu70_PFMHT65_v1

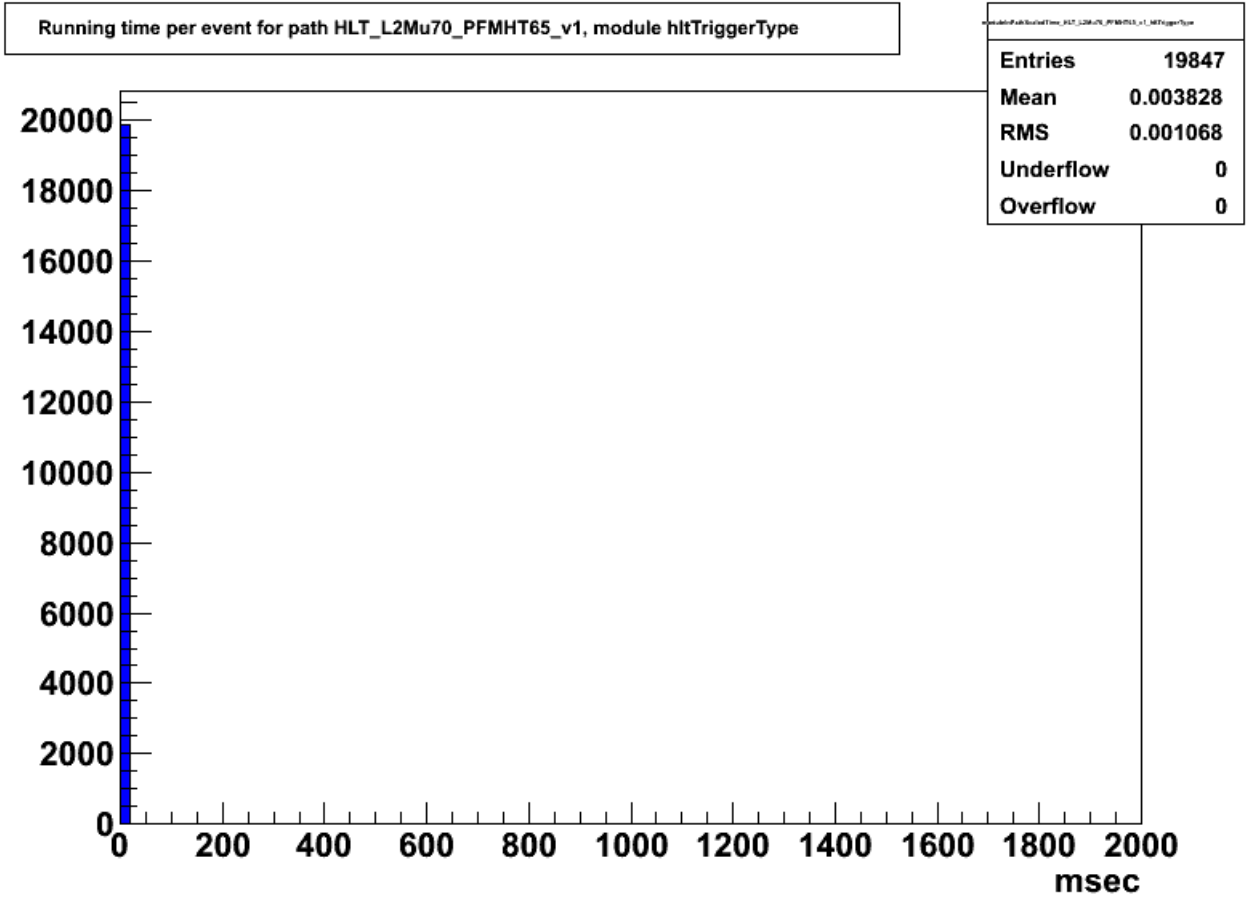


2.4 Per event incremental time for HLT_L2Mu70_PFMHT65_v1

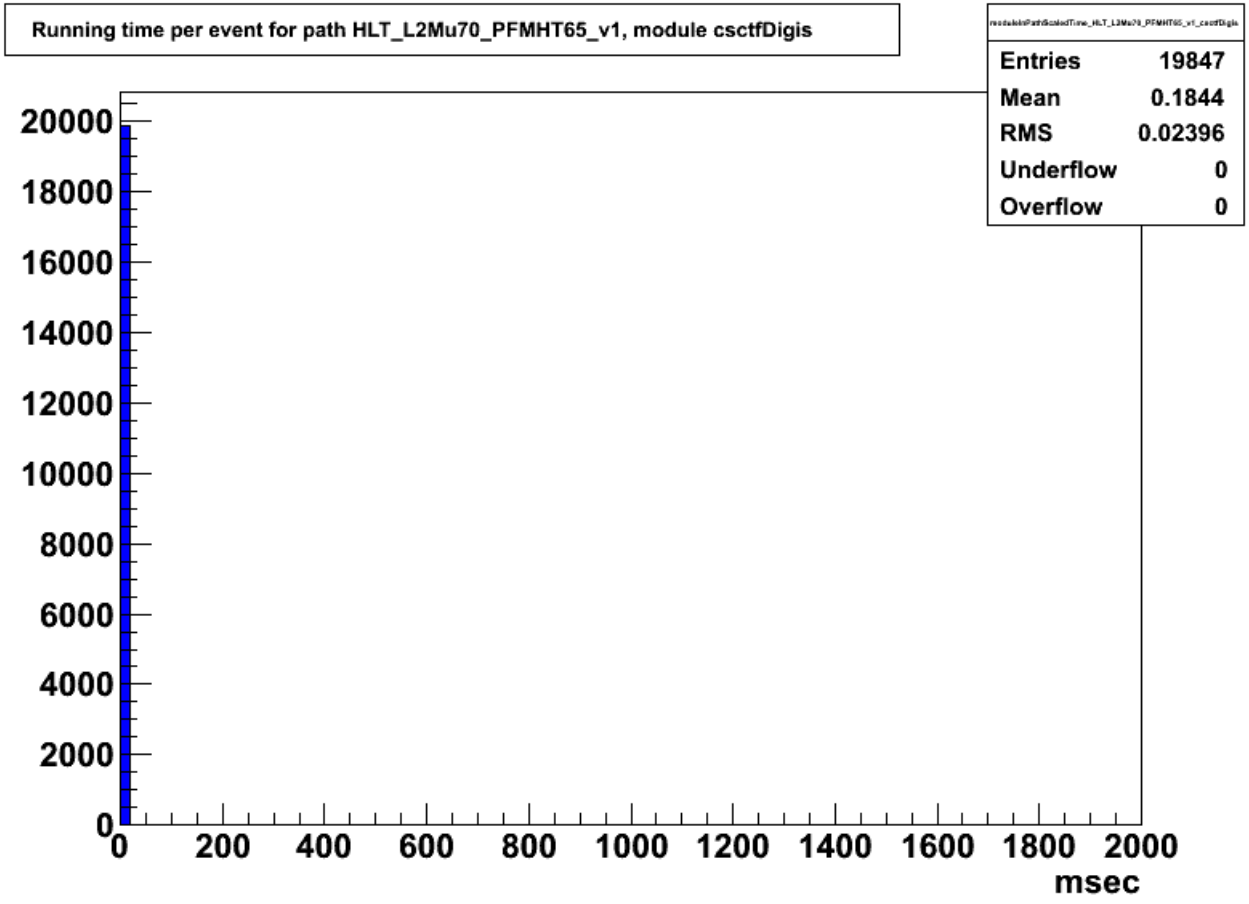


2.5 Running time per event for HLT_L2Mu70_PFMHT65_v1

2.5.1 hltTriggerType



2.5.2 csctfDigis



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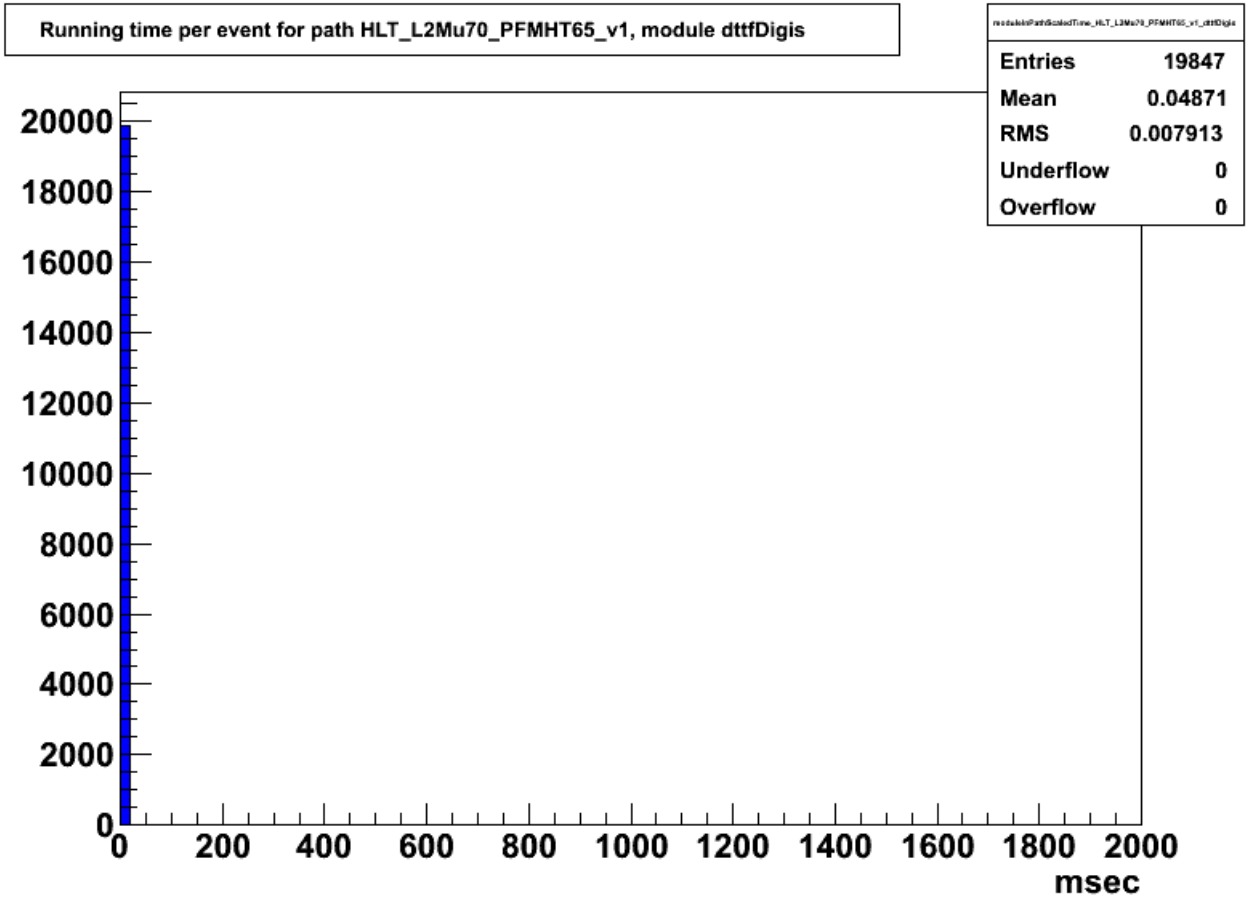
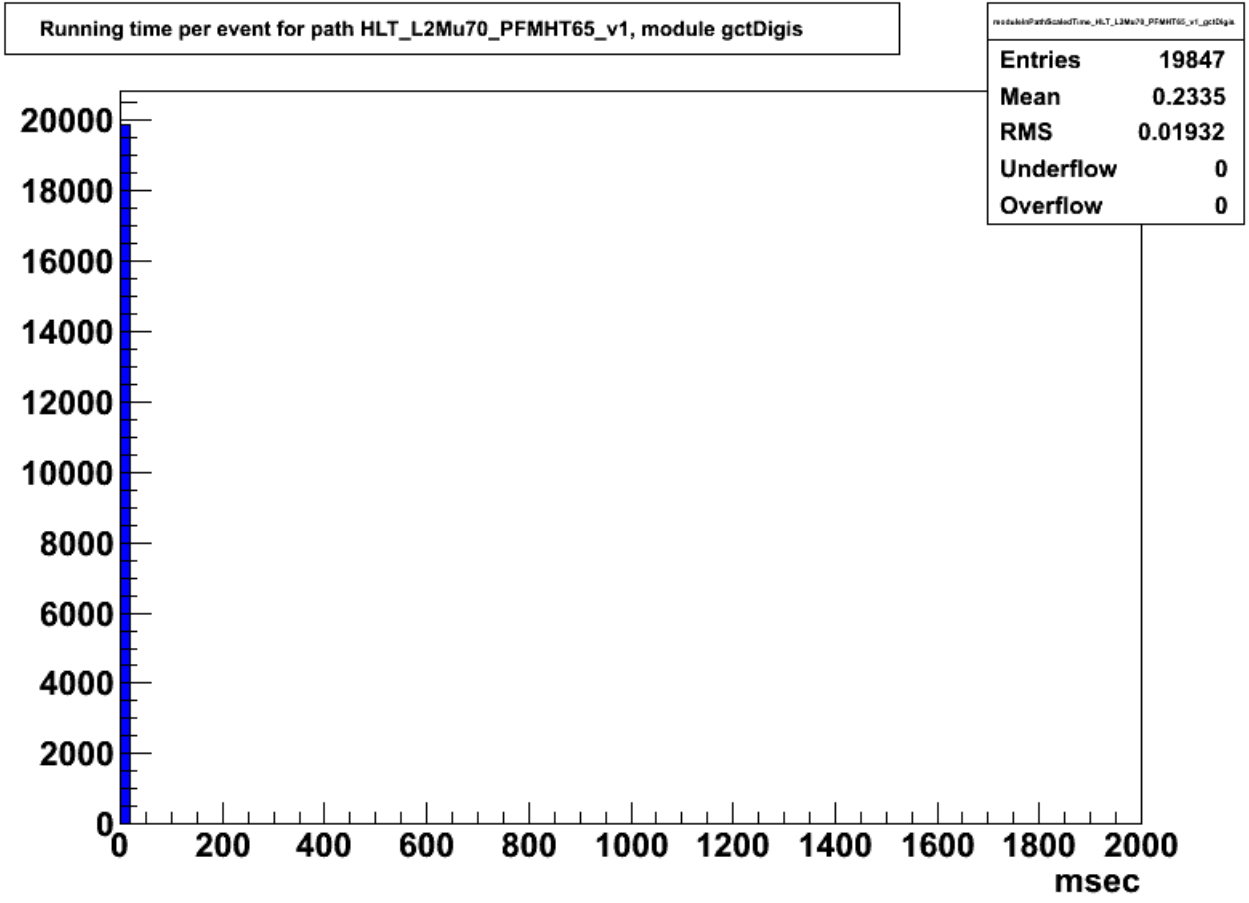
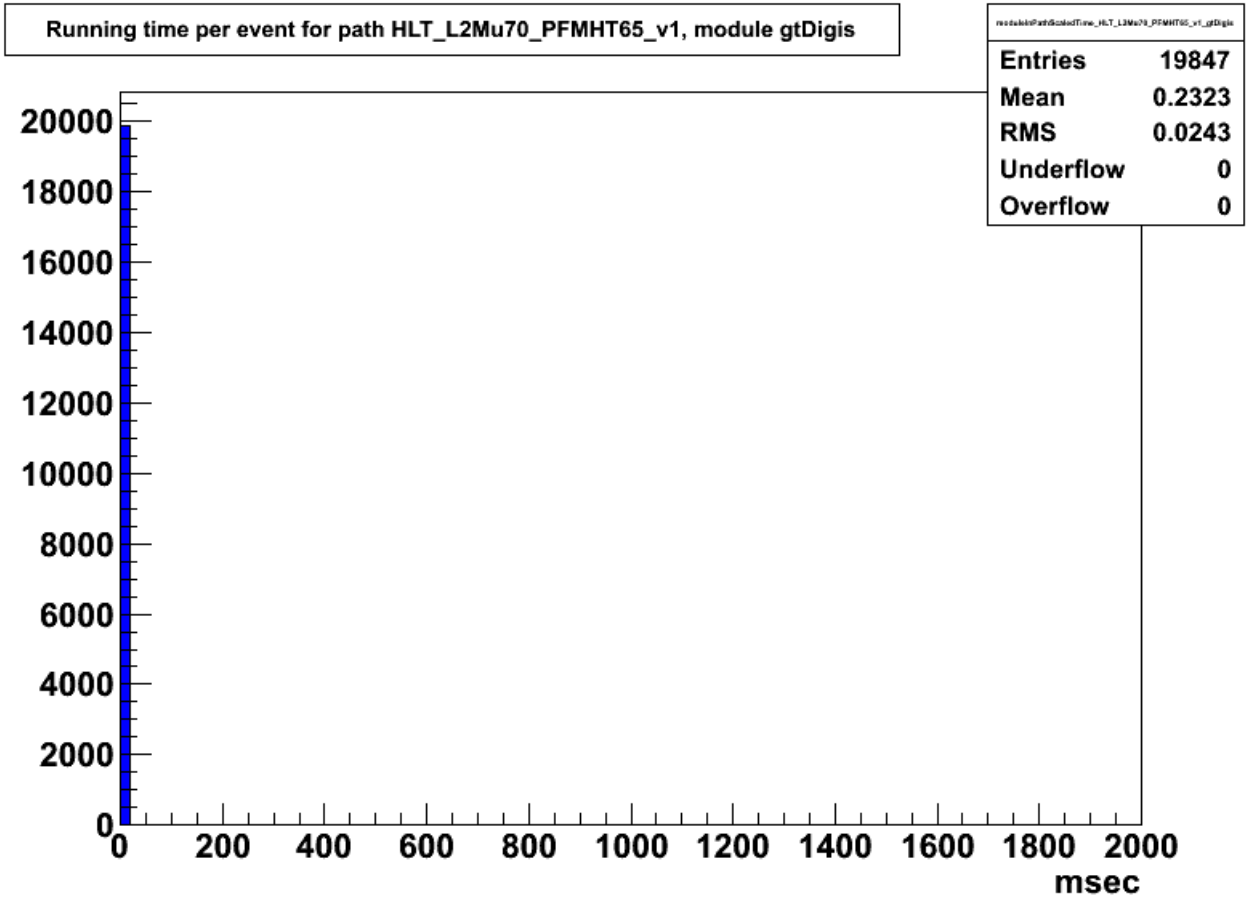


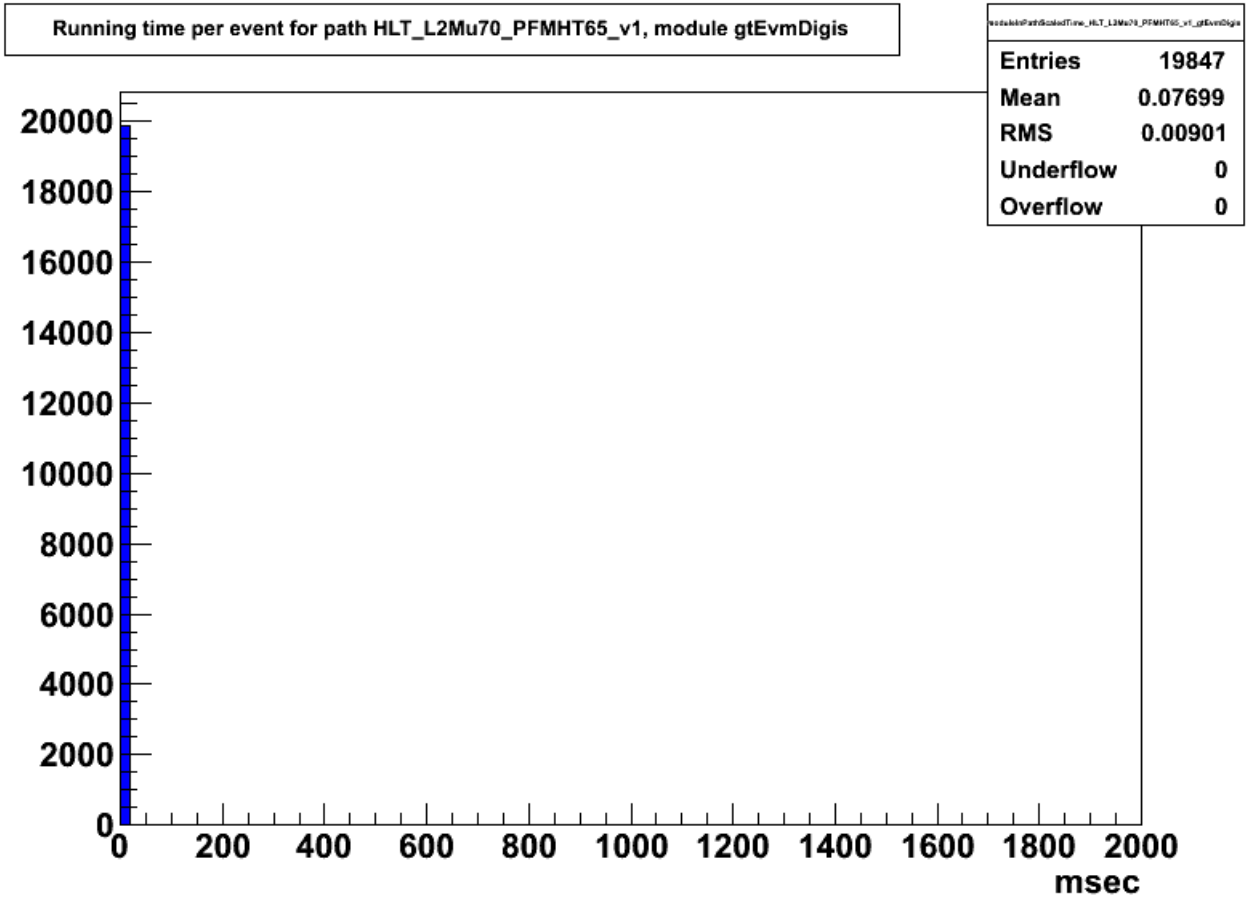
2.5.4 gctDigis



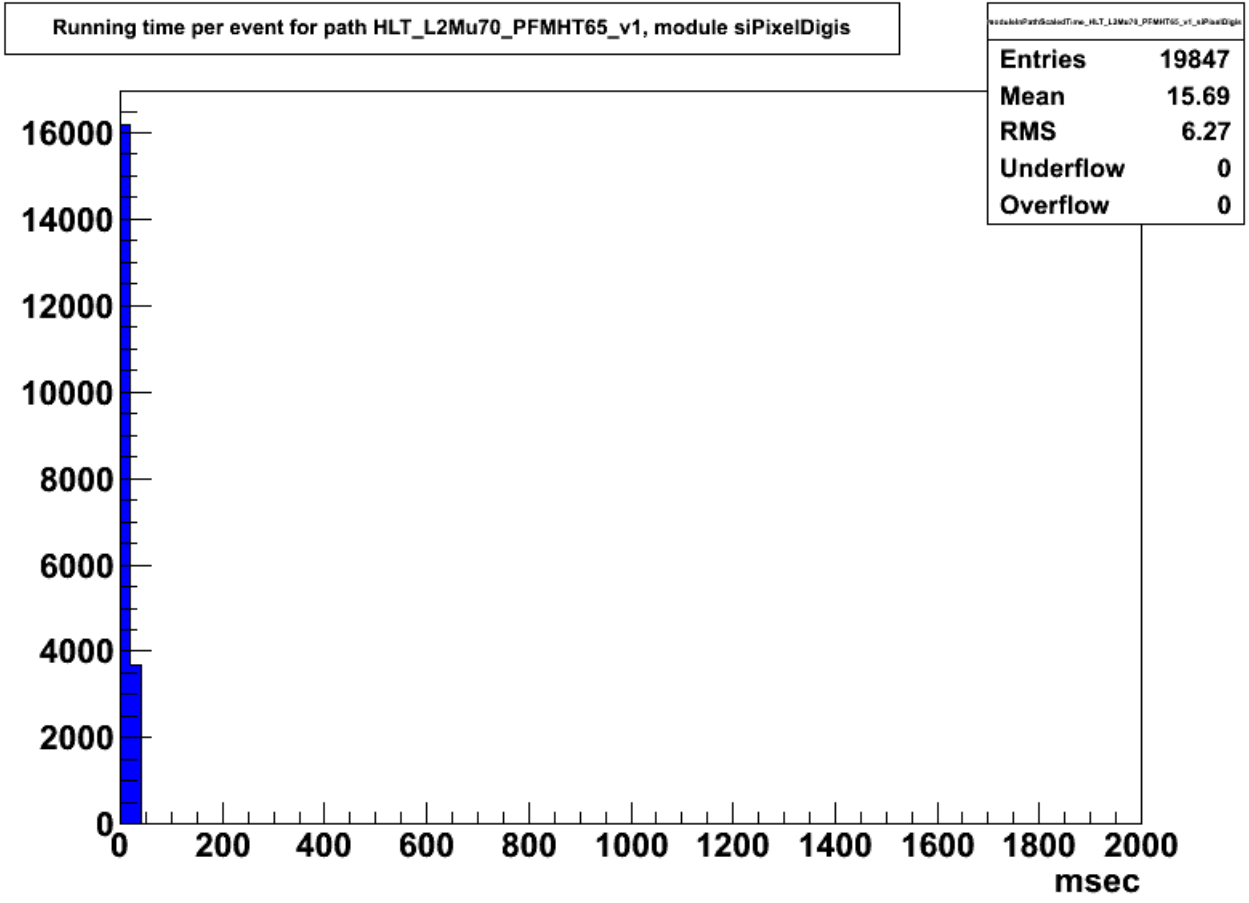
2.5.5 gtDigis


Running time per event for path HLT_L2Mu70_PFMHT65_v1, module gtDigis
moduleInPathScaledTime_HLT_L2Mu70_PFMHT65_v1_gtDigis
Entries 19847
Mean 0.2323
RMS 0.0243
Underflow 0
Overflow 0
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
msec

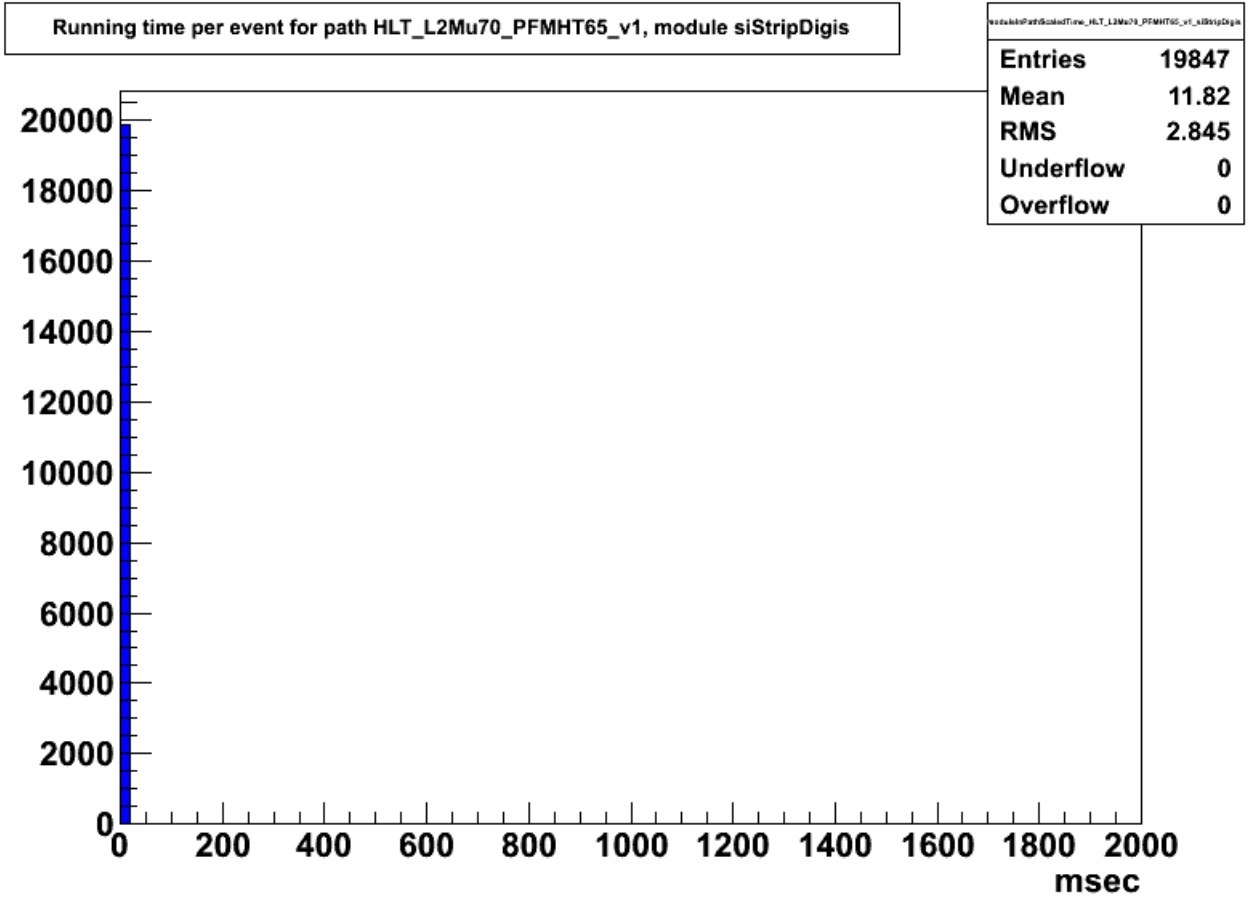
2.5.6 gtEvmDigis



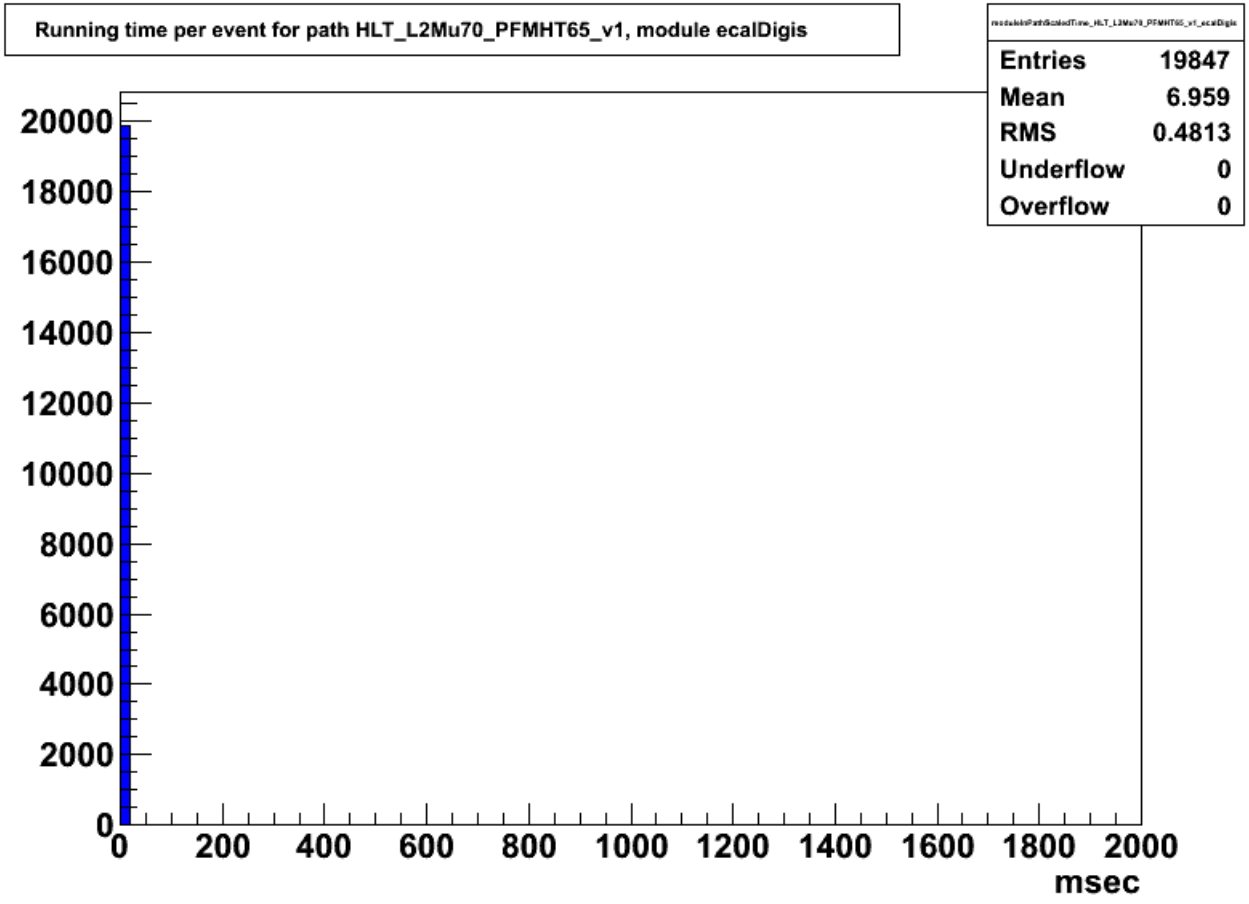
2.5.7 siPixelDigis



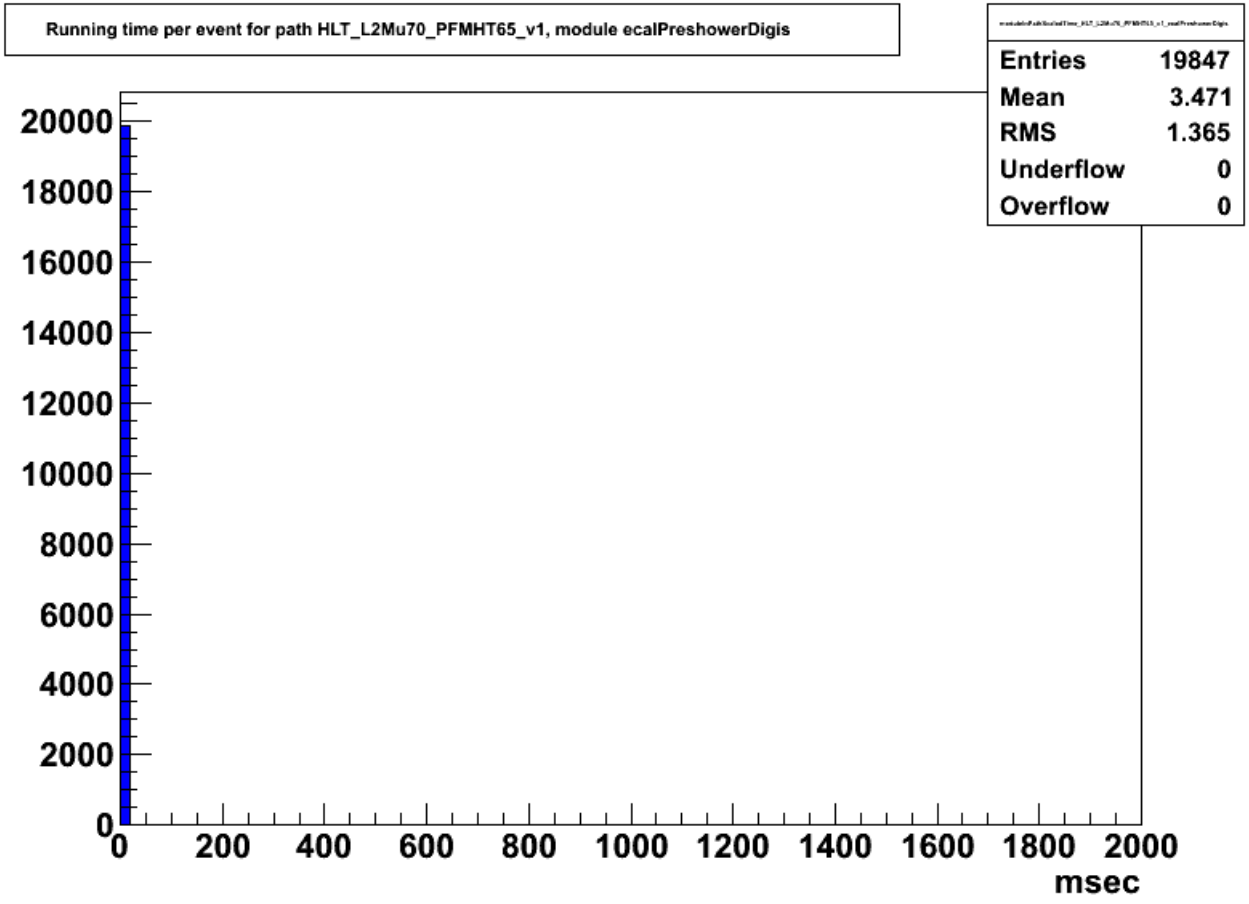
2.5.8 siStripDigis



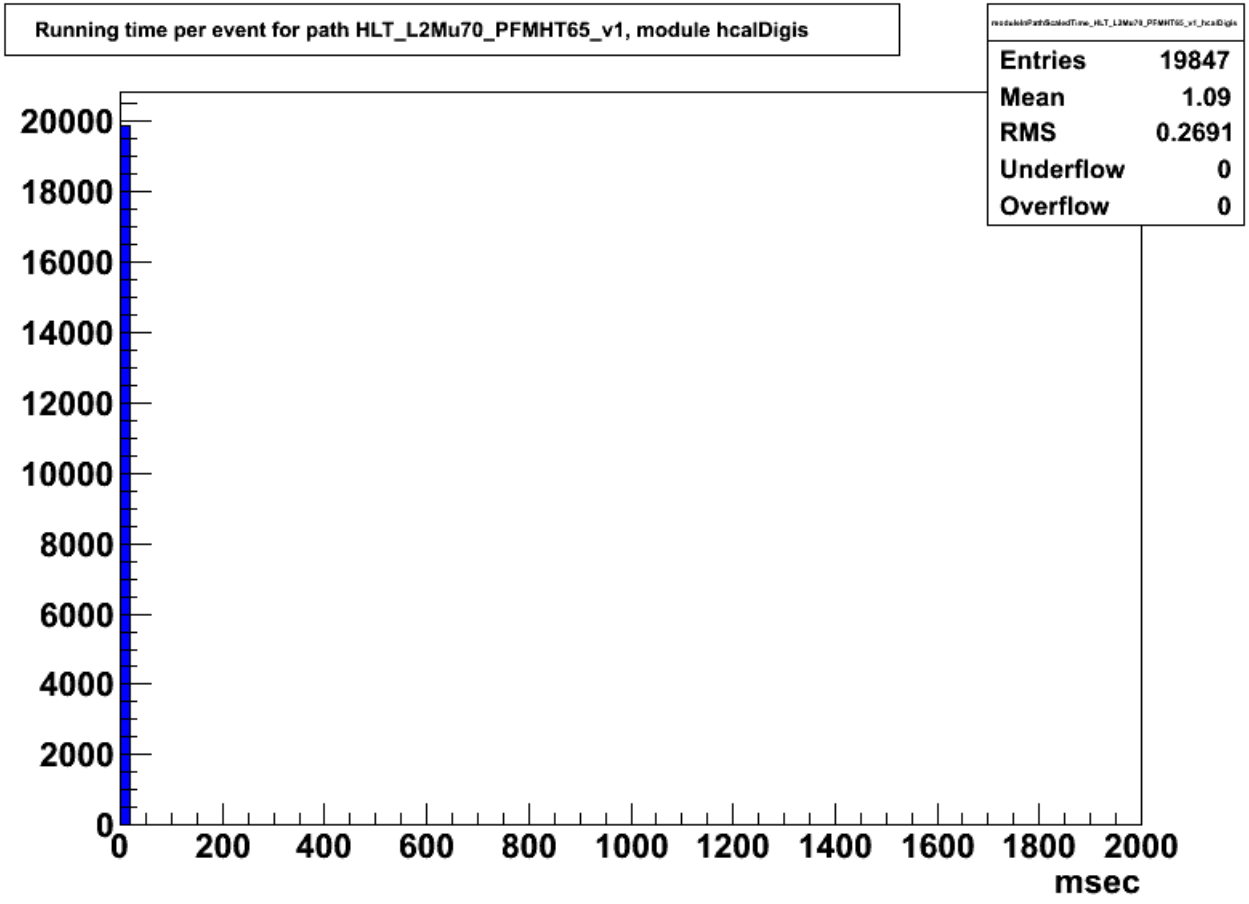
2.5.9 ecalDigis



2.5.10 ecalPreshowerDigis



2.5.11 hcalDigis



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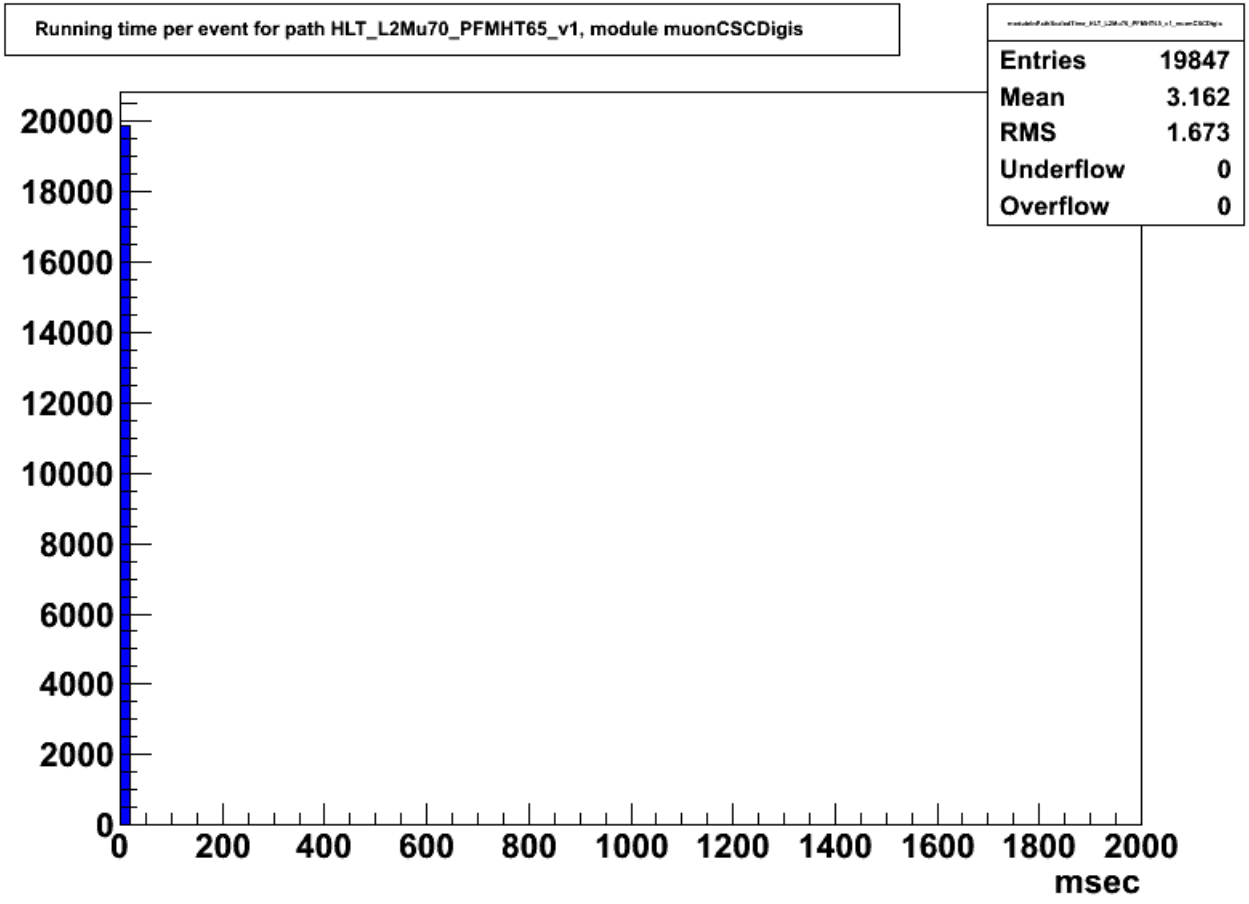
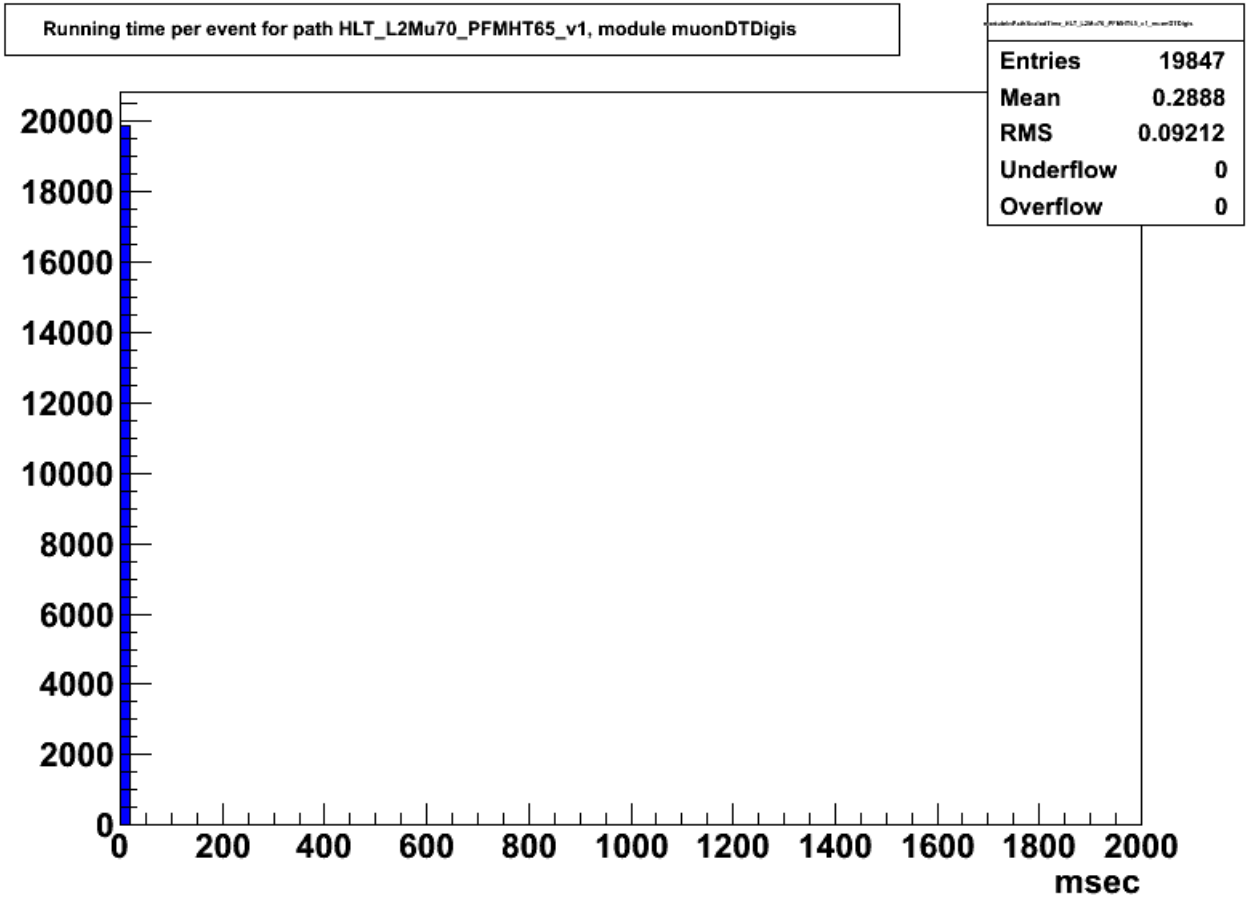
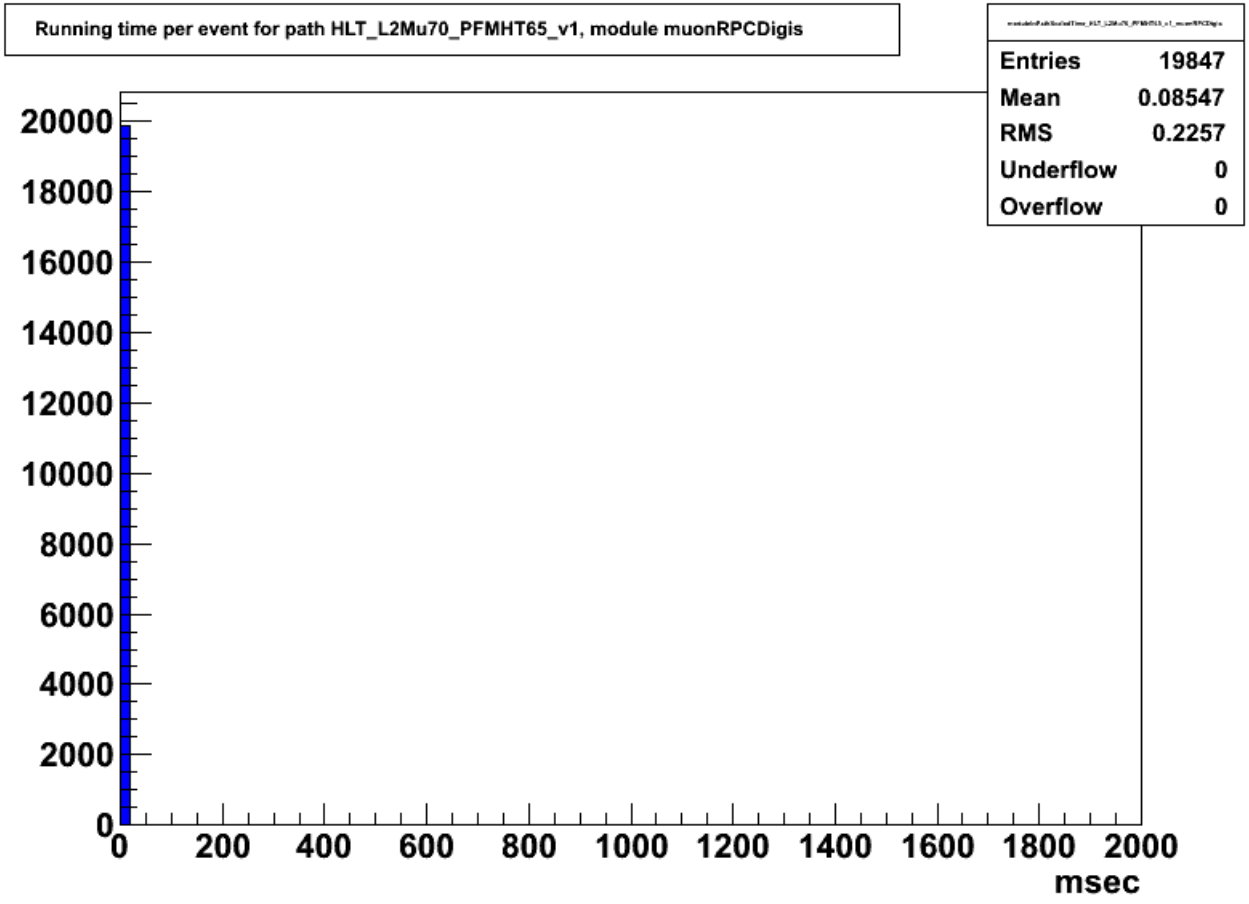


2.5.13 muonDTDigis



2.5.14 muonRPCDigis



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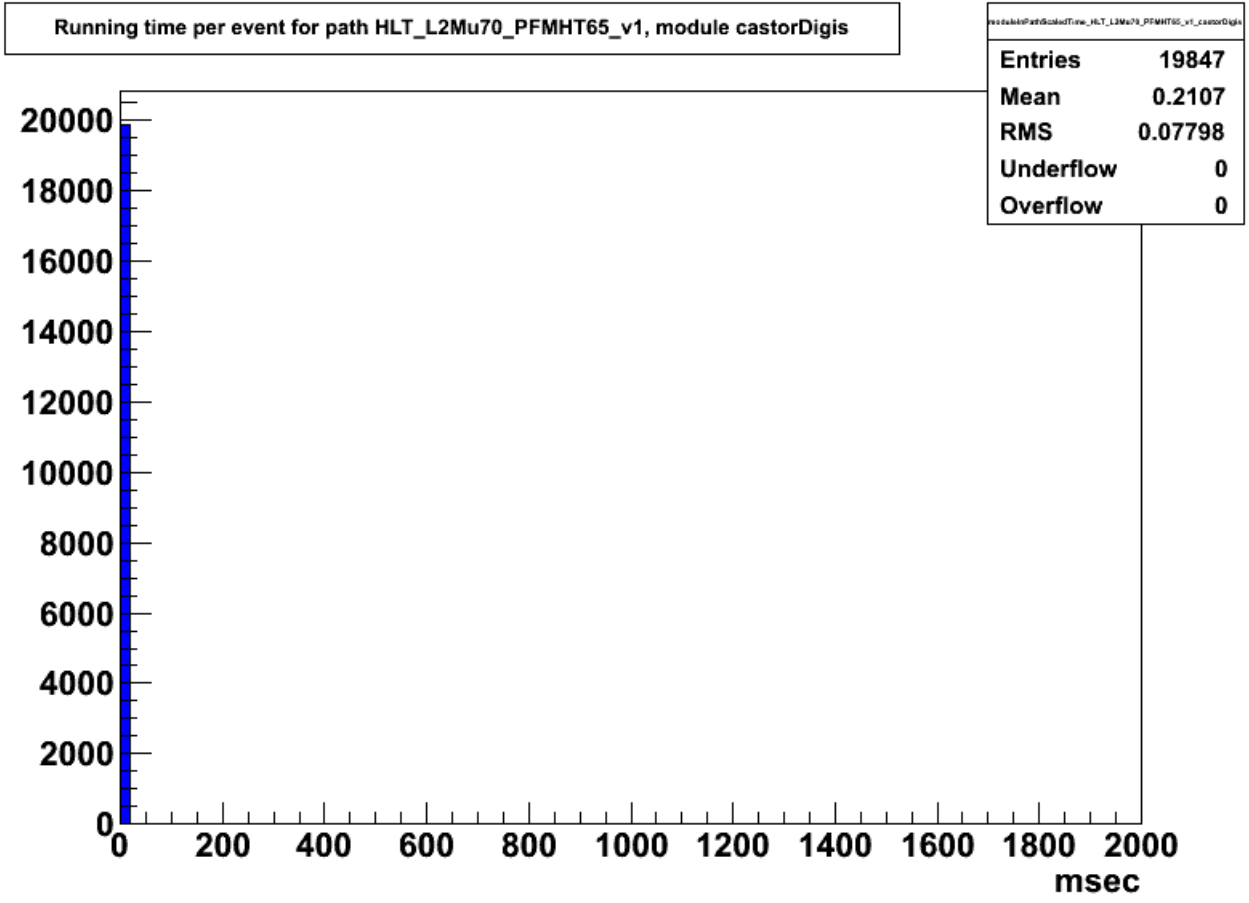
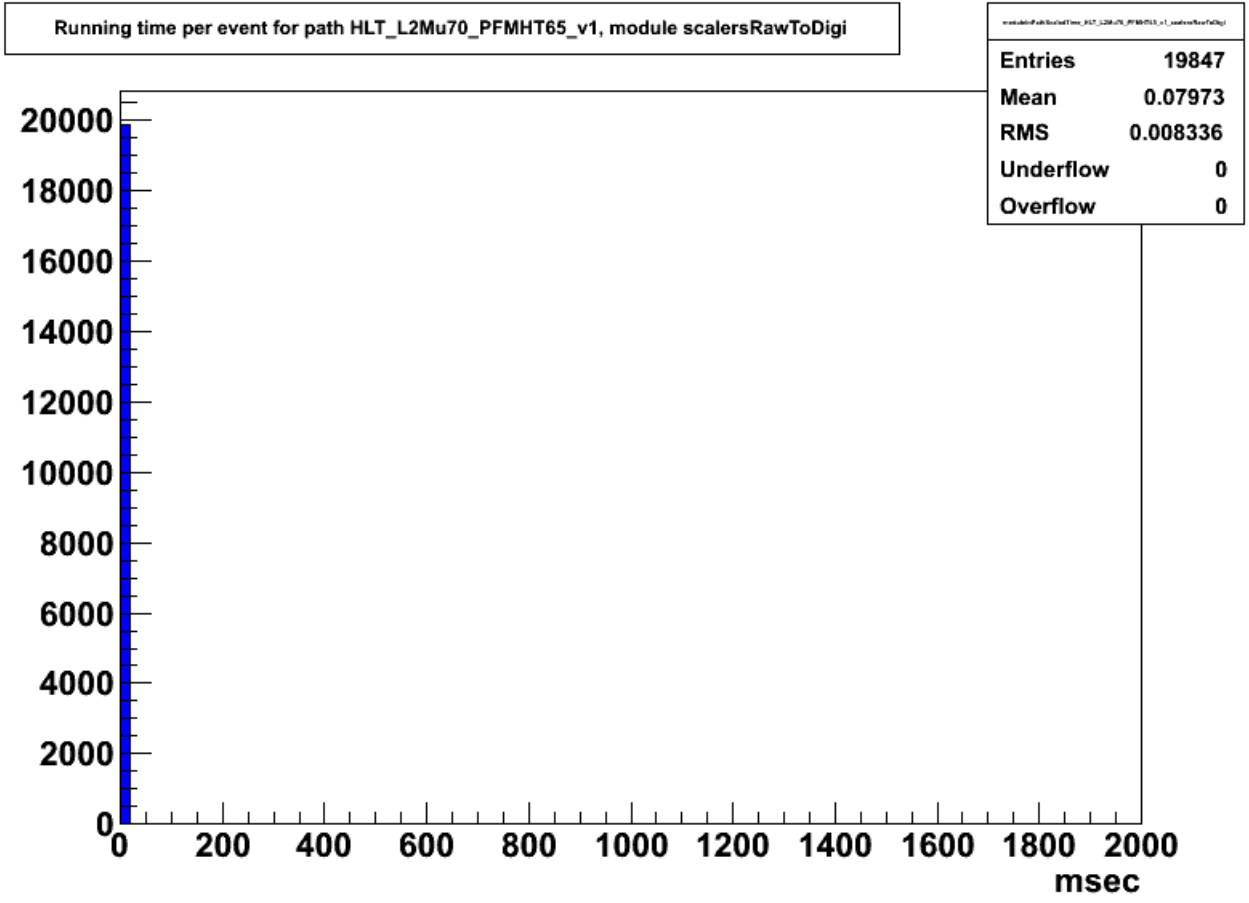
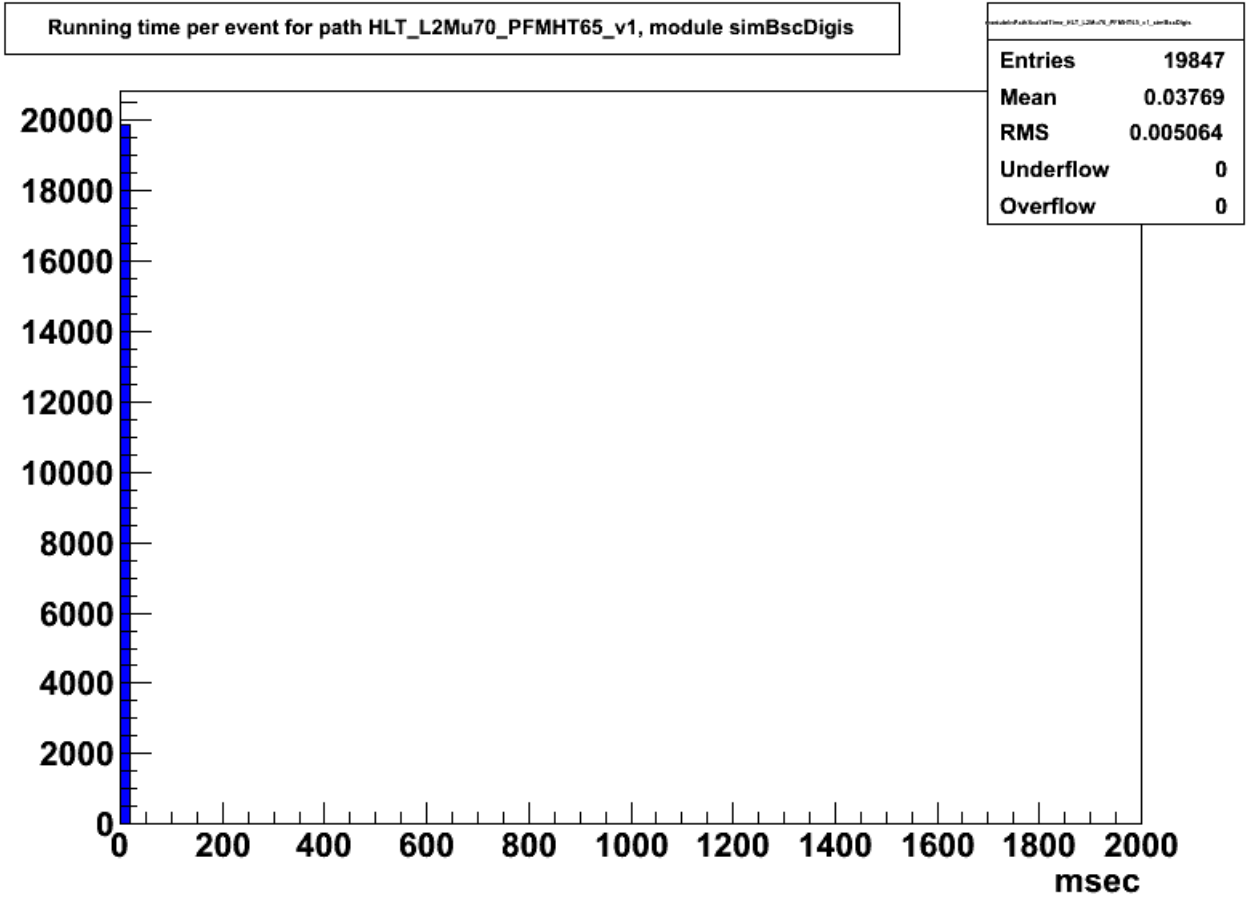


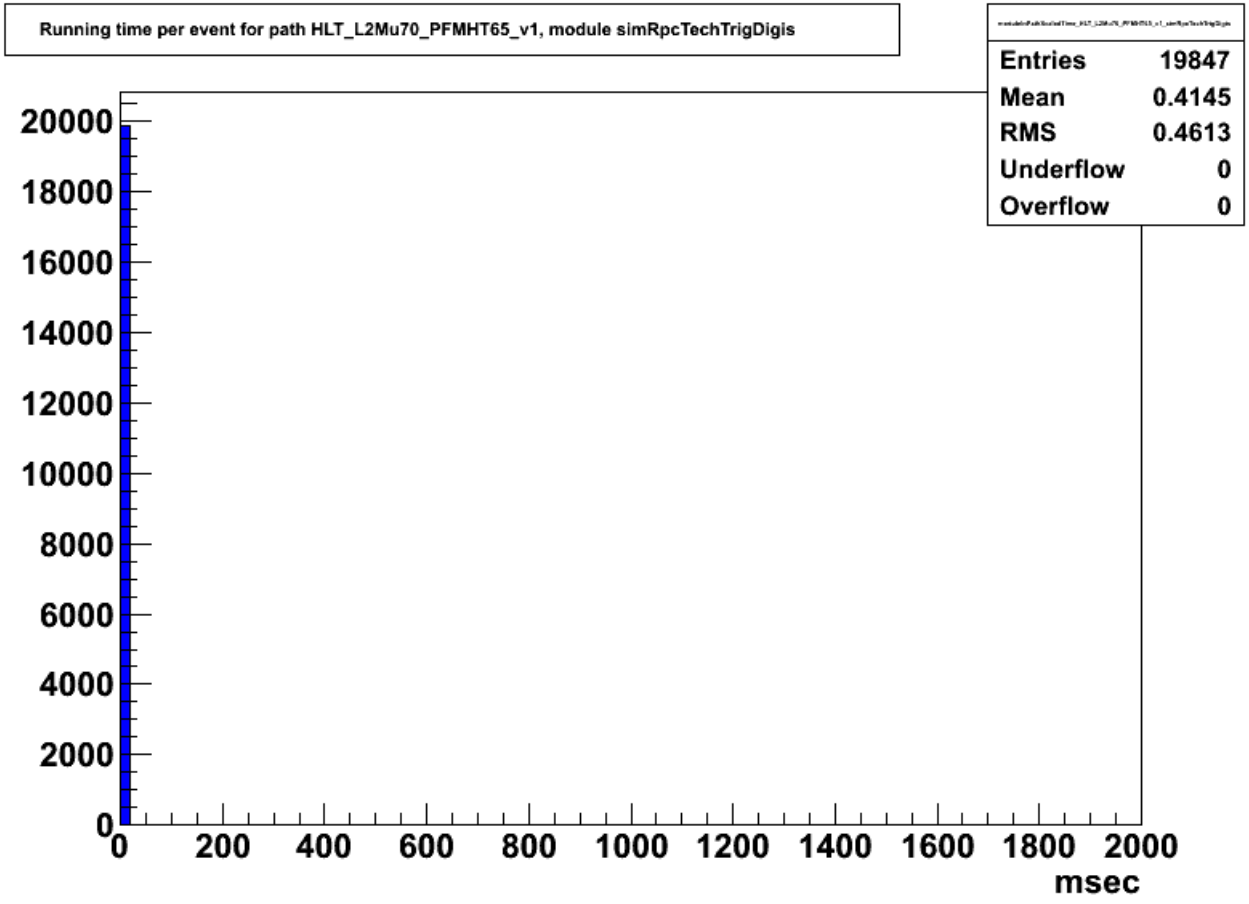
2.5.16 scalersRawToDigi



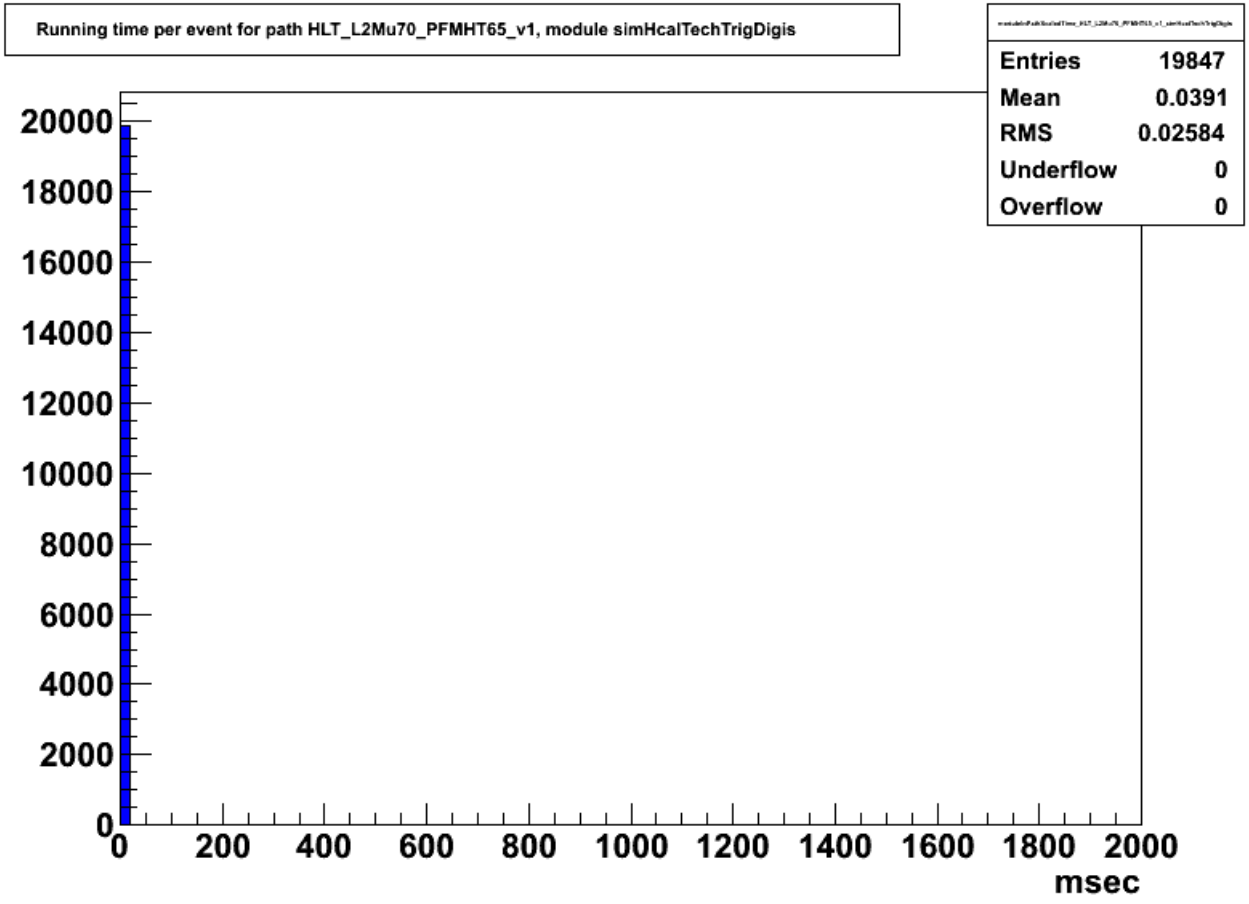
2.5.17 simBscDigis



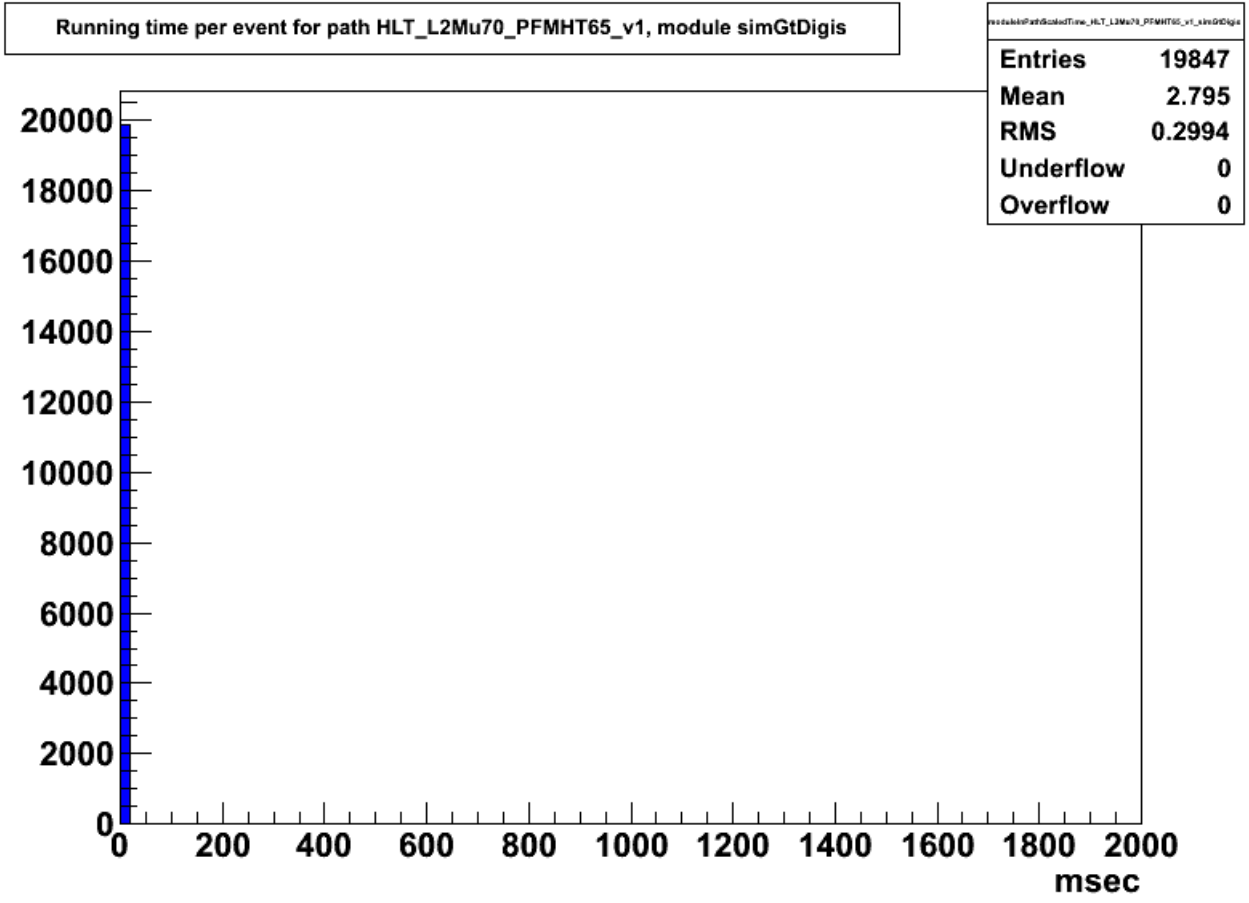
2.5.18 simRpcTechTrigDigis



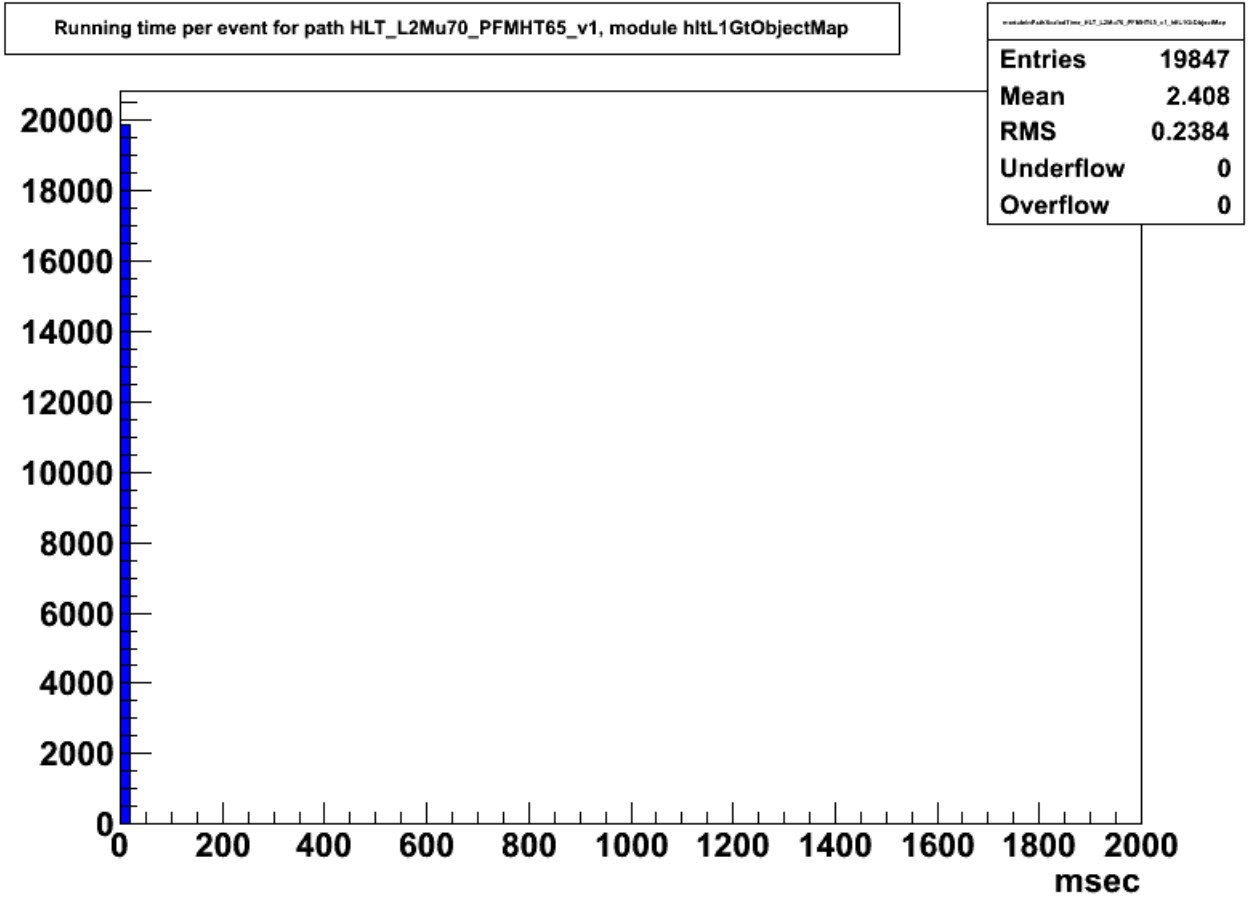
2.5.19 simHcalTechTrigDigis



2.5.20 simGtDigis



2.5.21 hltL1GtObjectMap



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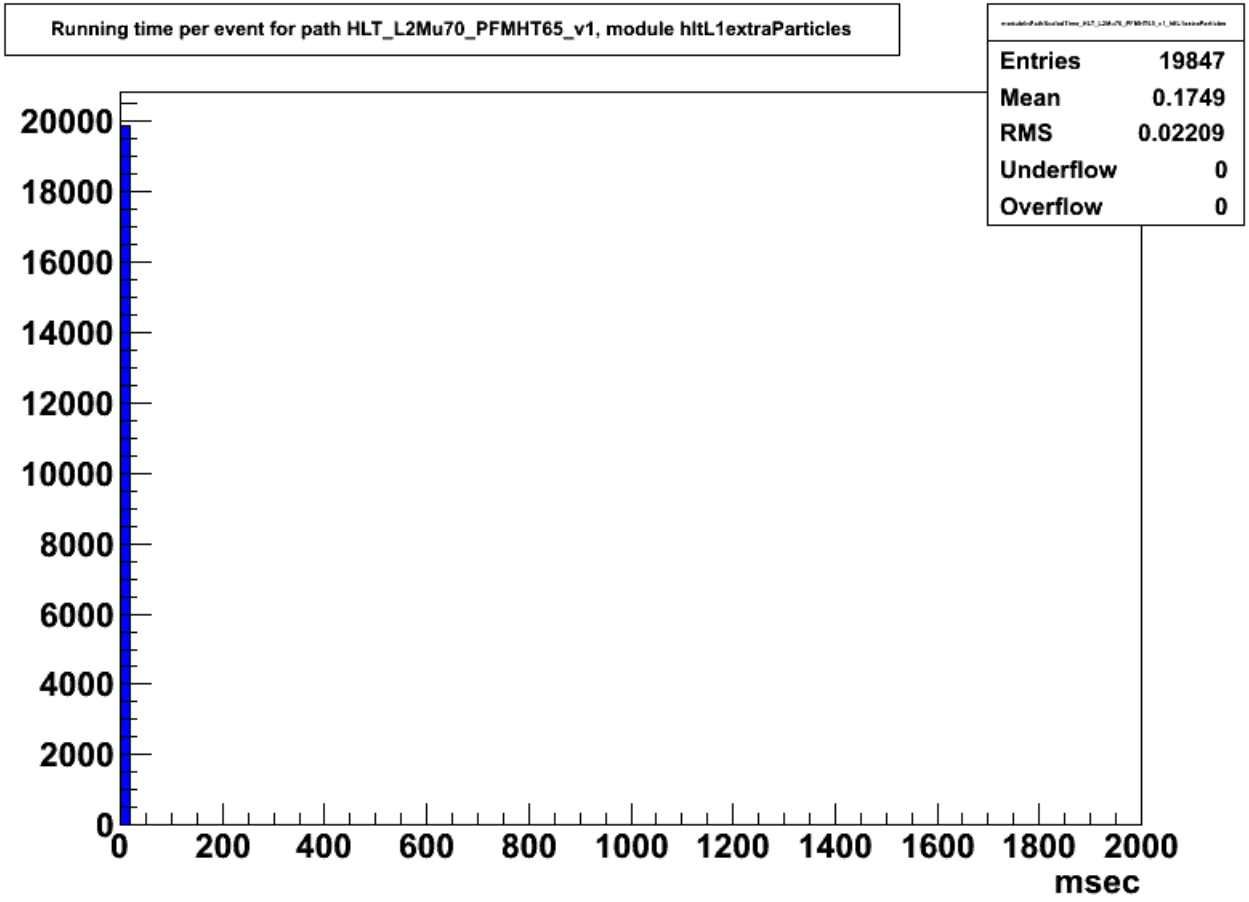
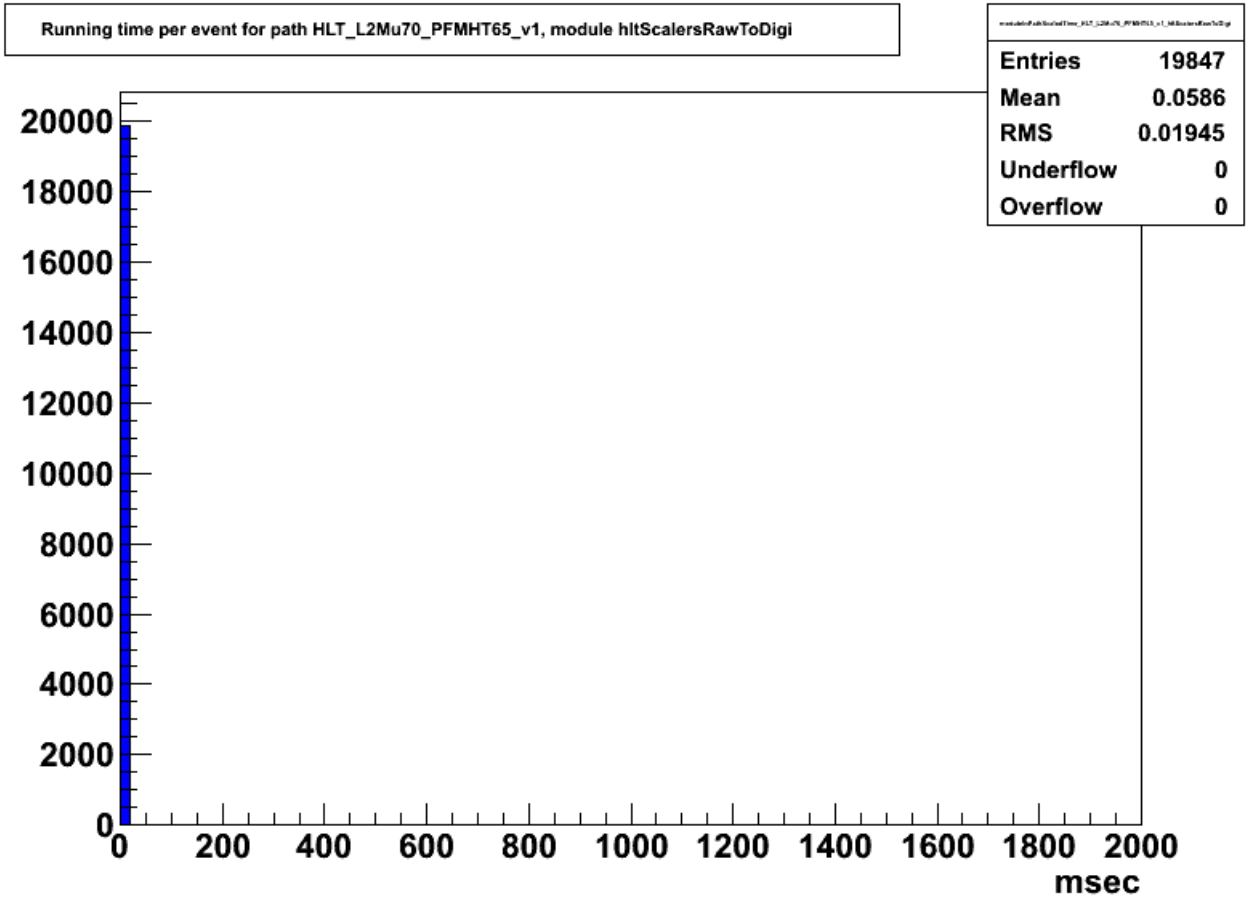
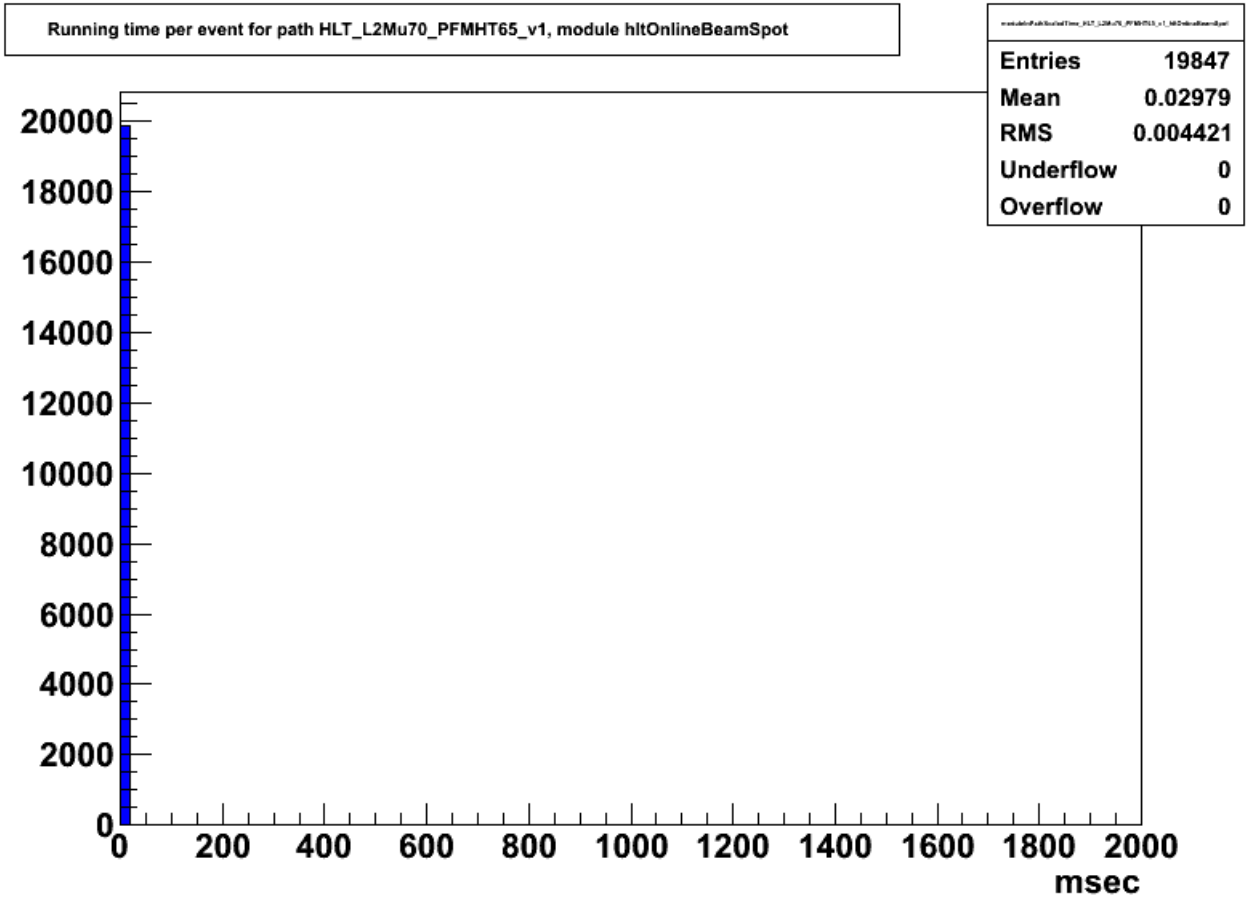


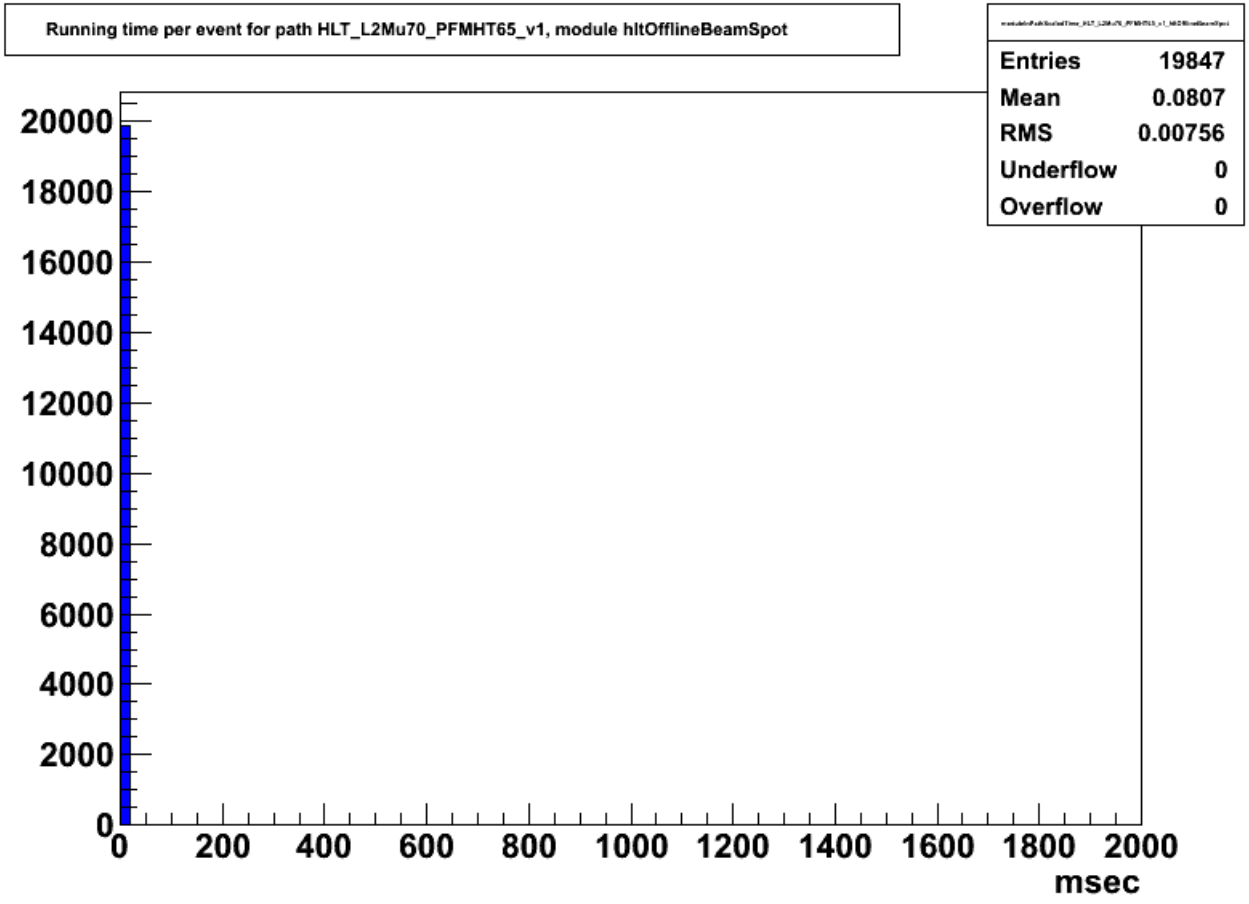
2.5.23 hltScalersRawToDigi



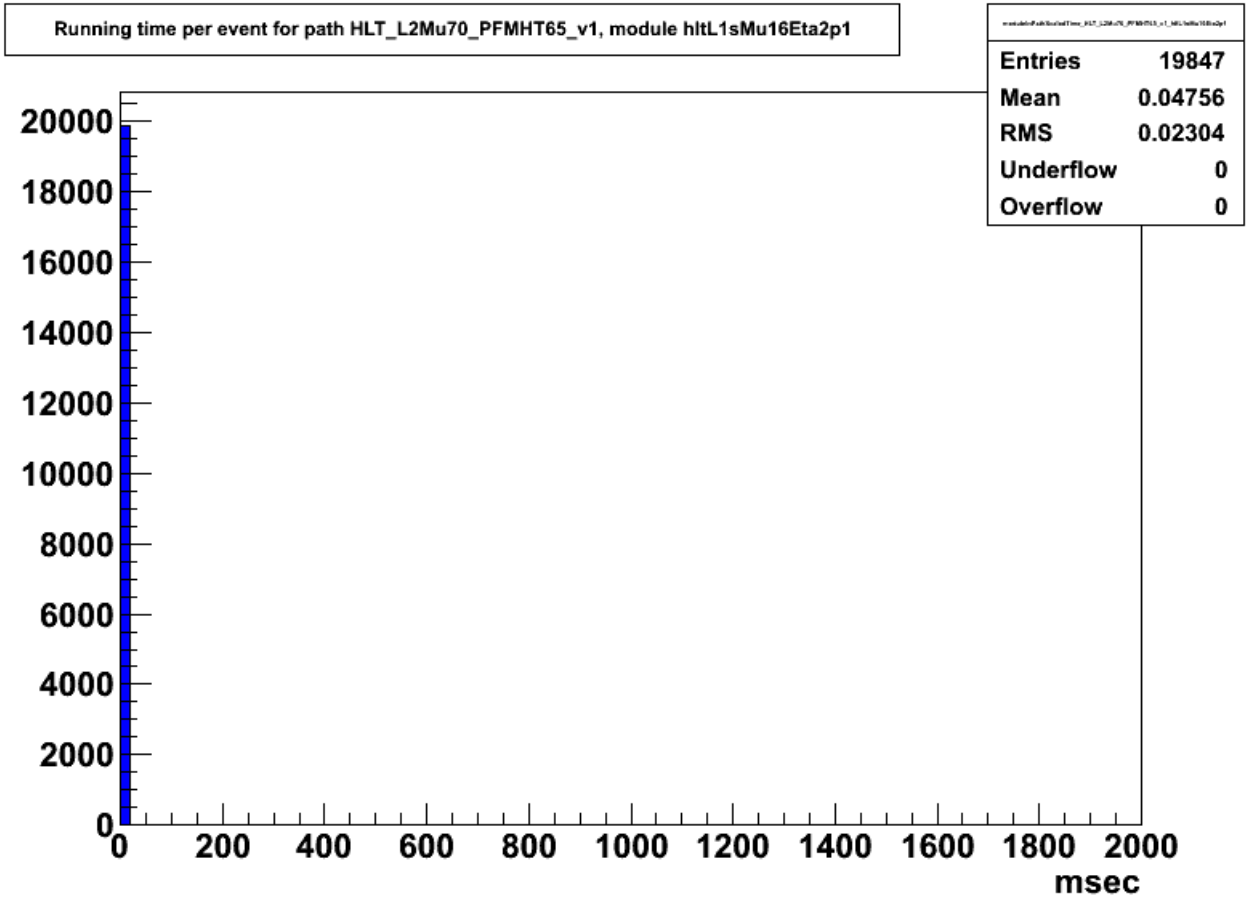
2.5.24 hltOnlineBeamSpot



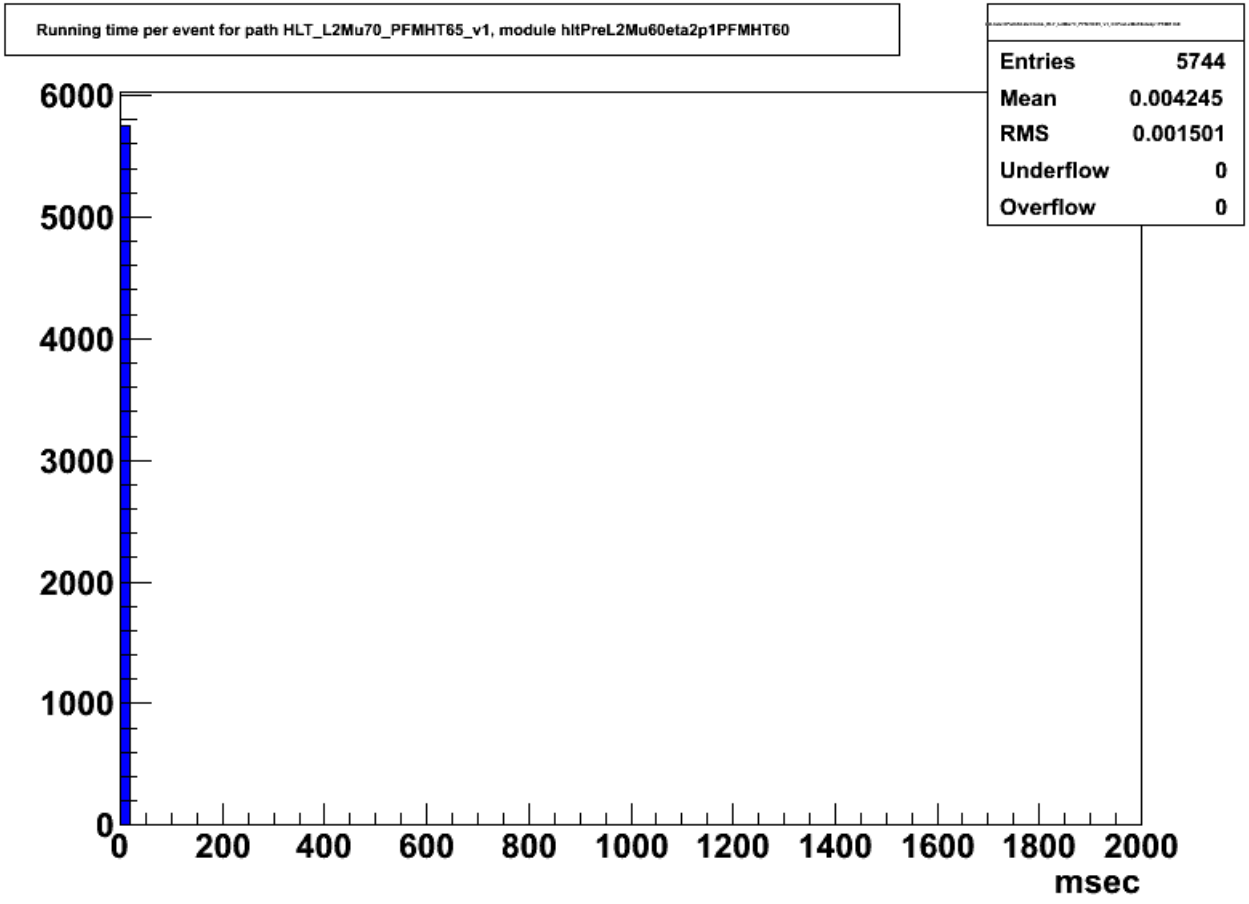
2.5.25 hltOfflineBeamSpot



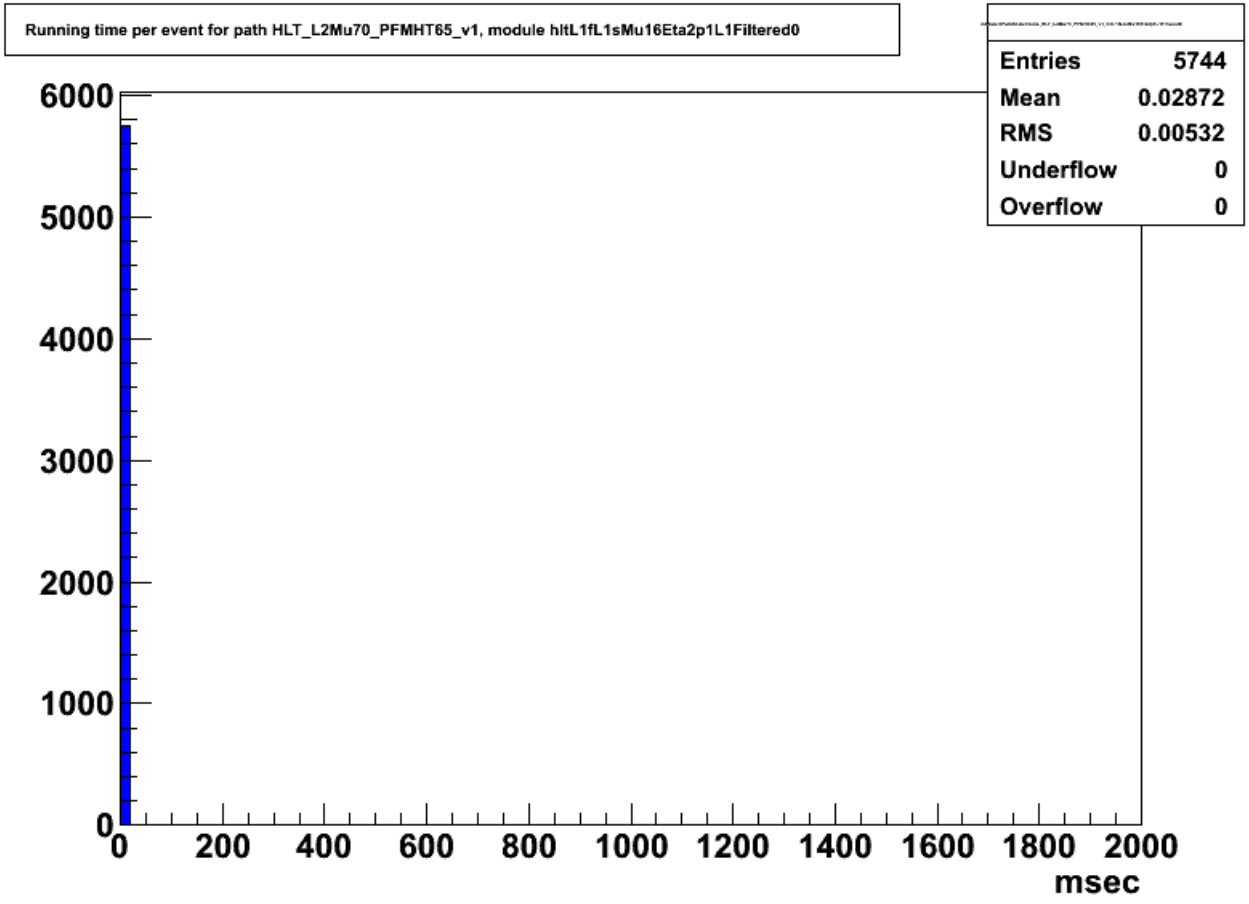
2.5.26 hltL1sMu16Eta2p1



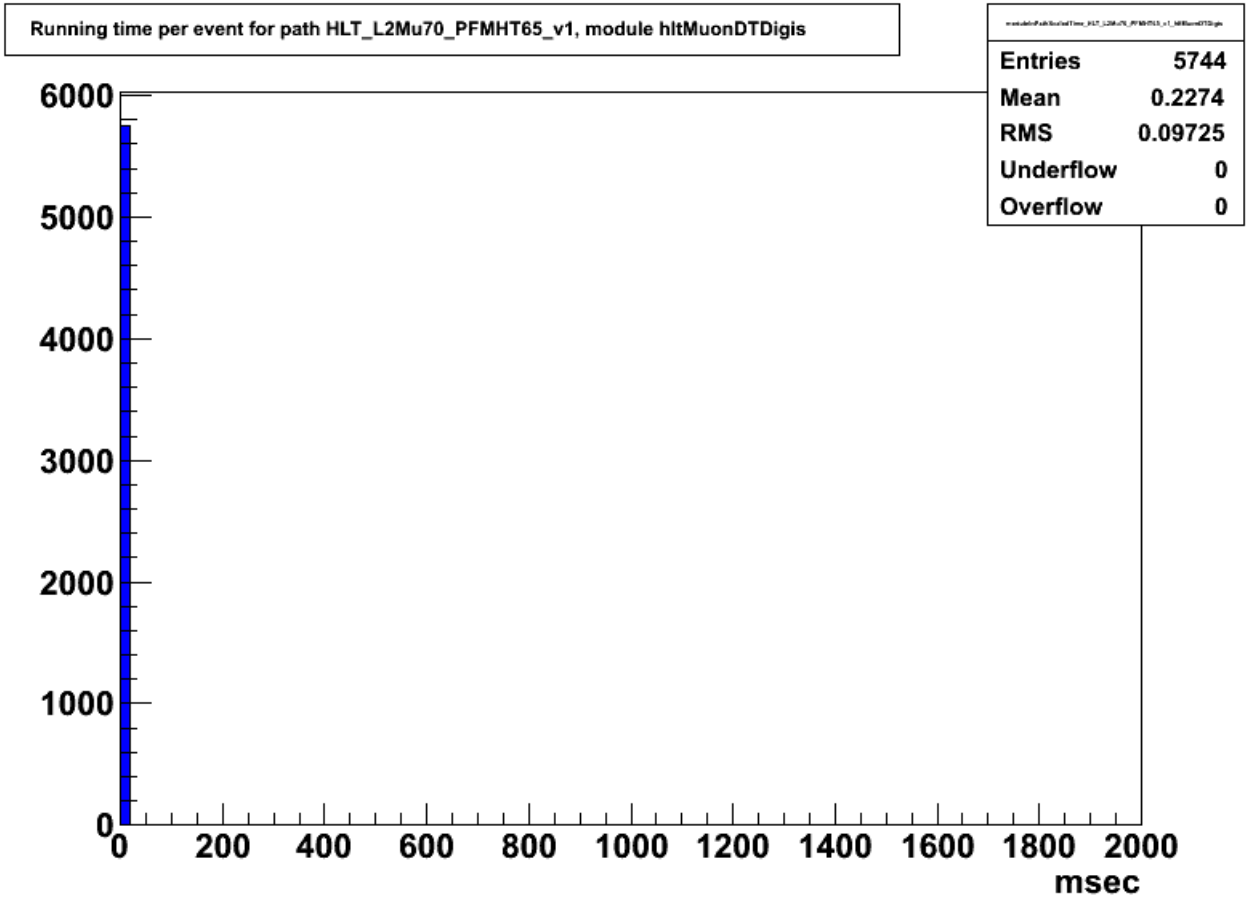
2.5.27 hltPreL2Mu60eta2p1PFMHT60



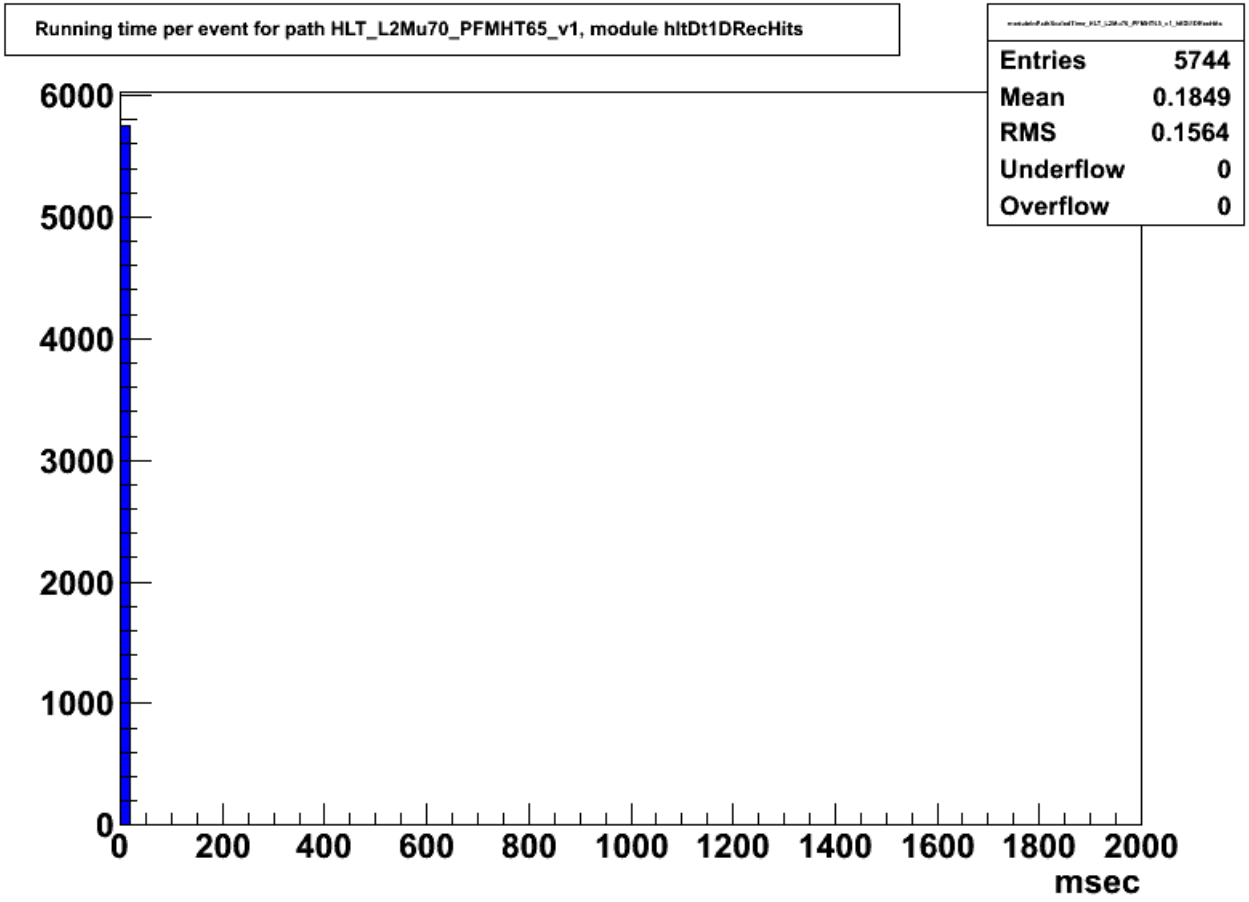
2.5.28 hltL1fL1sMu16Eta2p1L1Filtered0



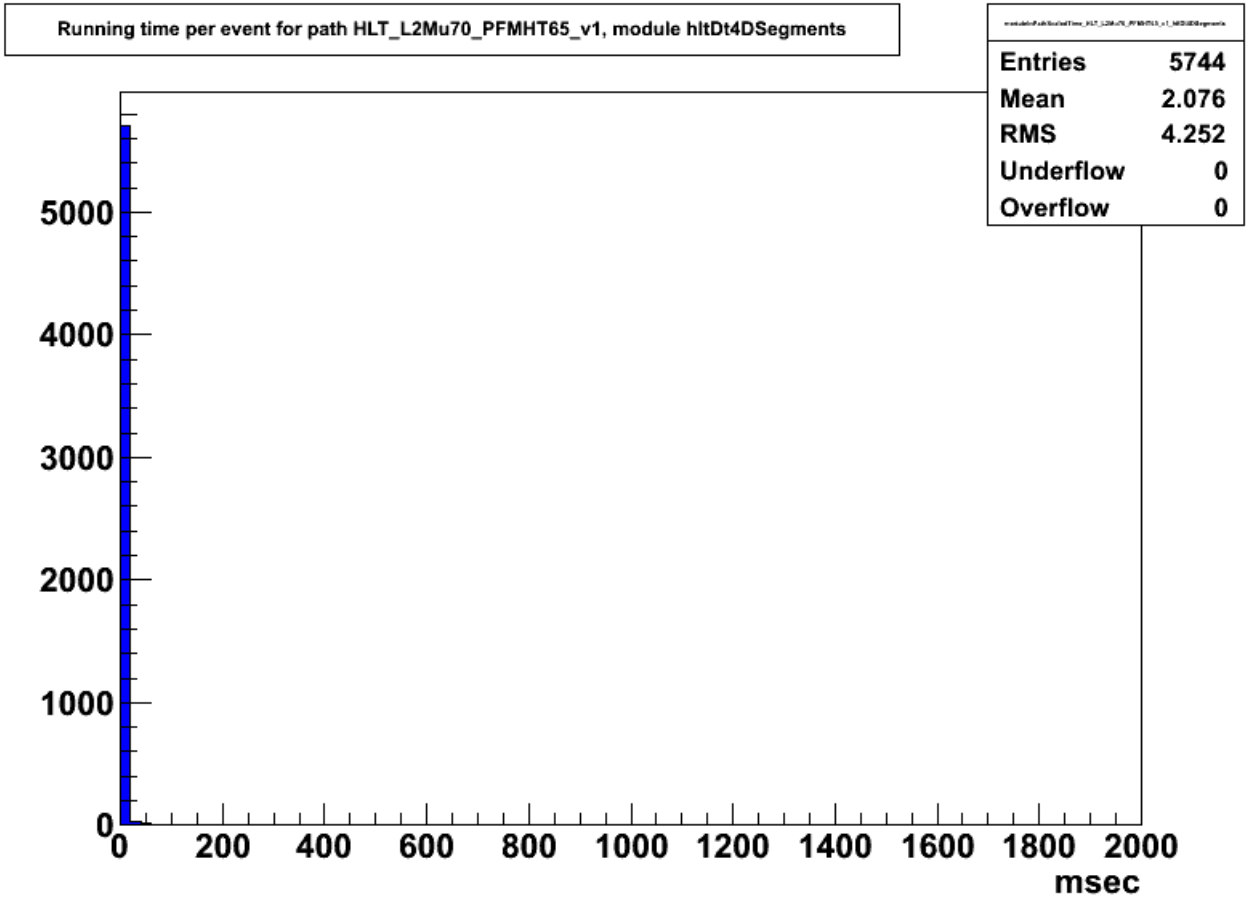
2.5.29 hltMuonDTDigis



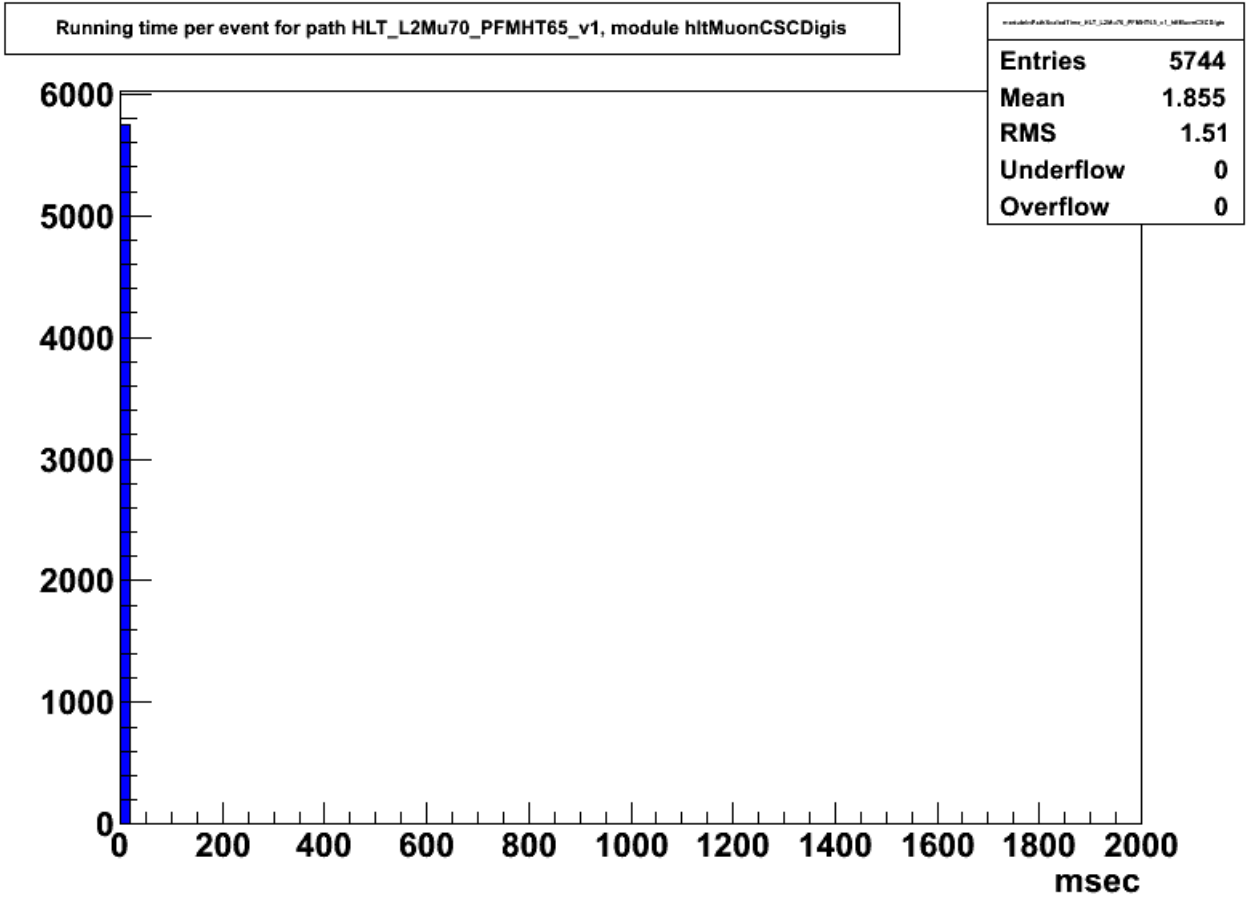
2.5.30 hltDt1DRecHits



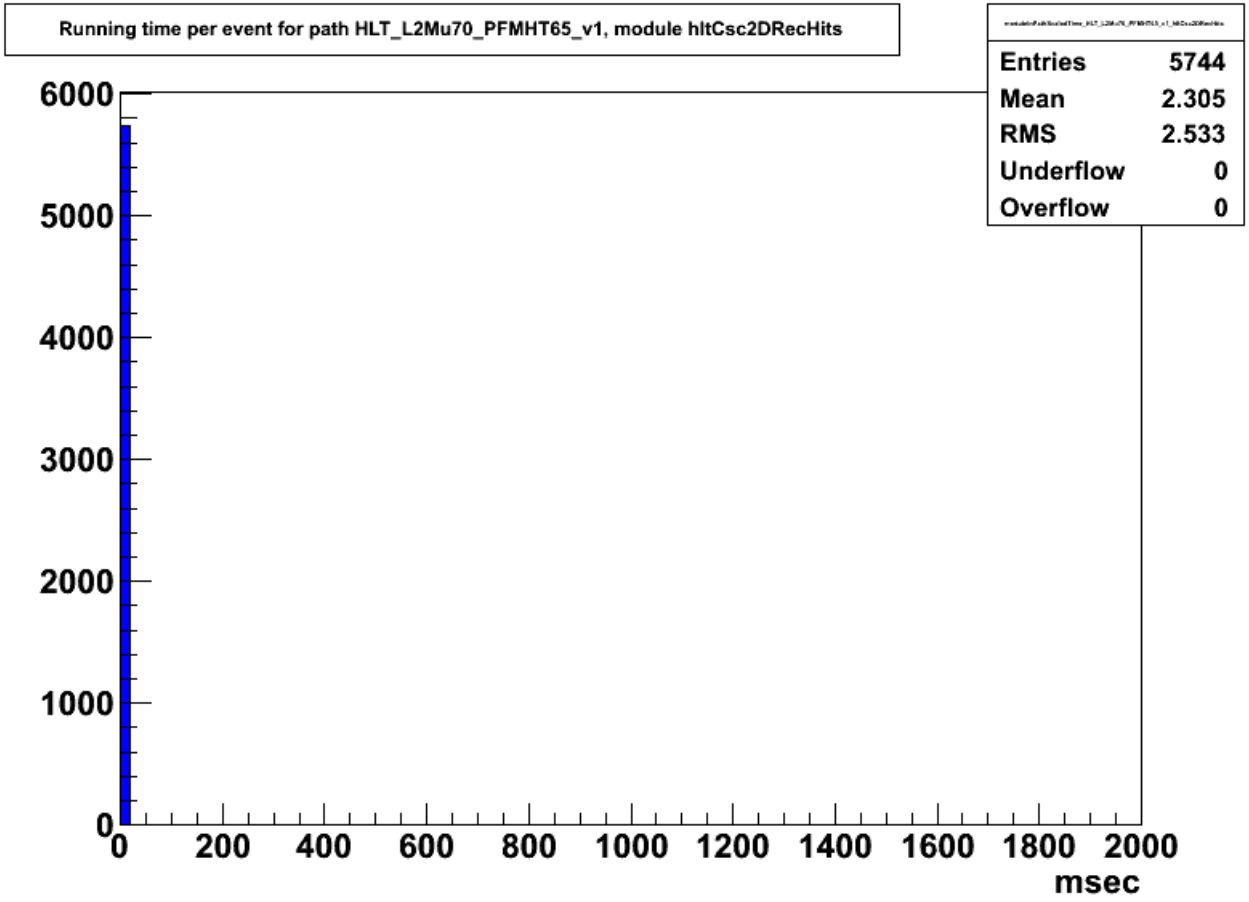
2.5.31 hltDt4DSegments



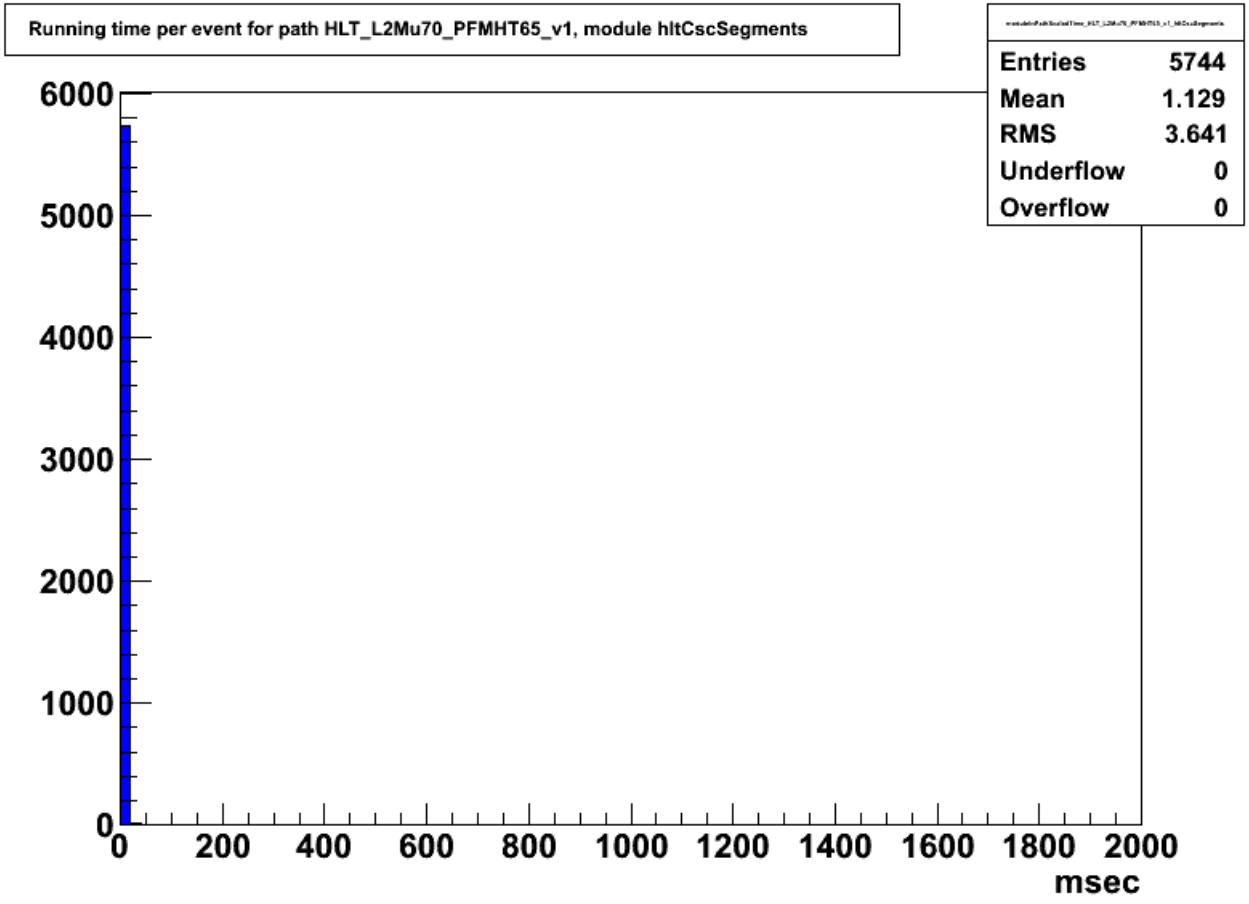
2.5.32 hltMuonCSCDigis



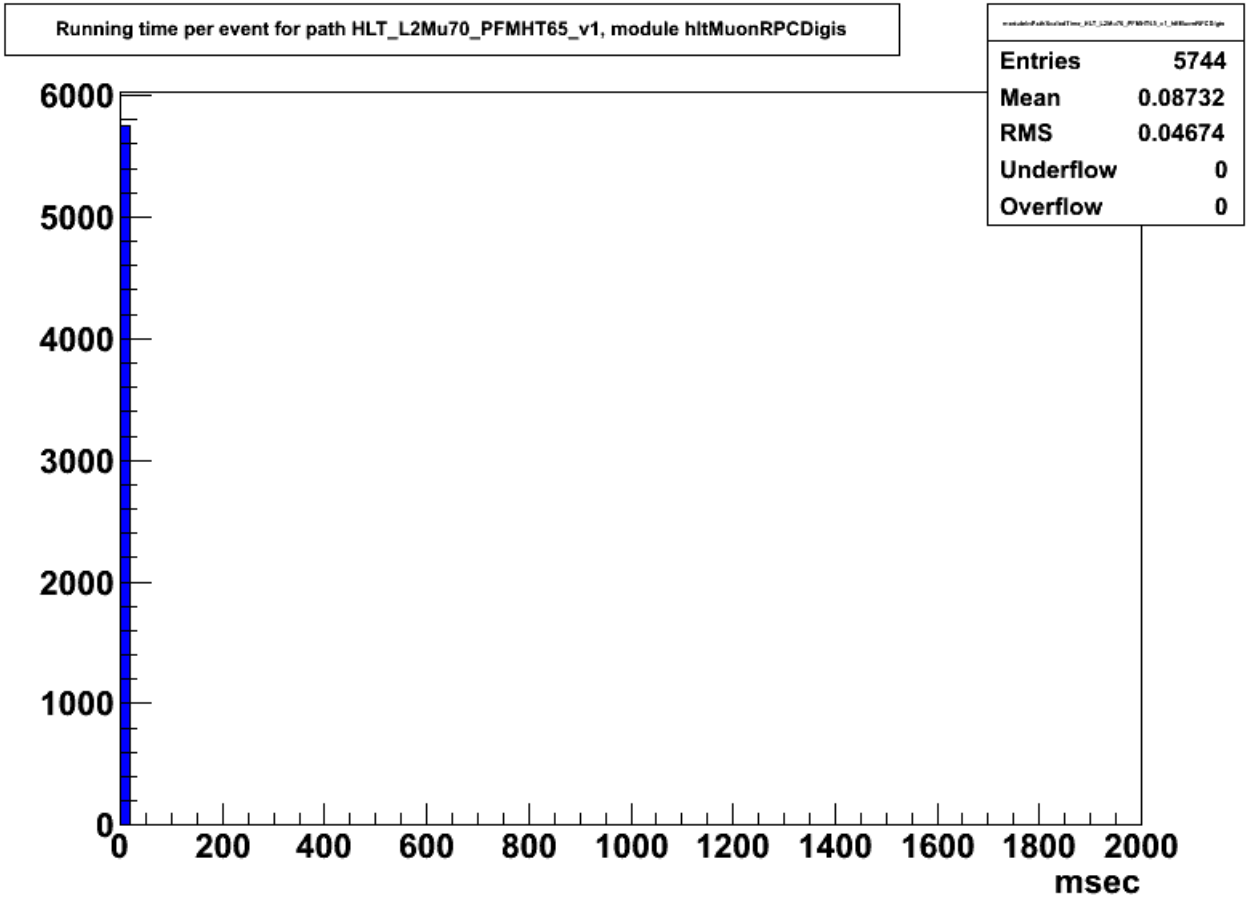
2.5.33 hltCsc2DRecHits



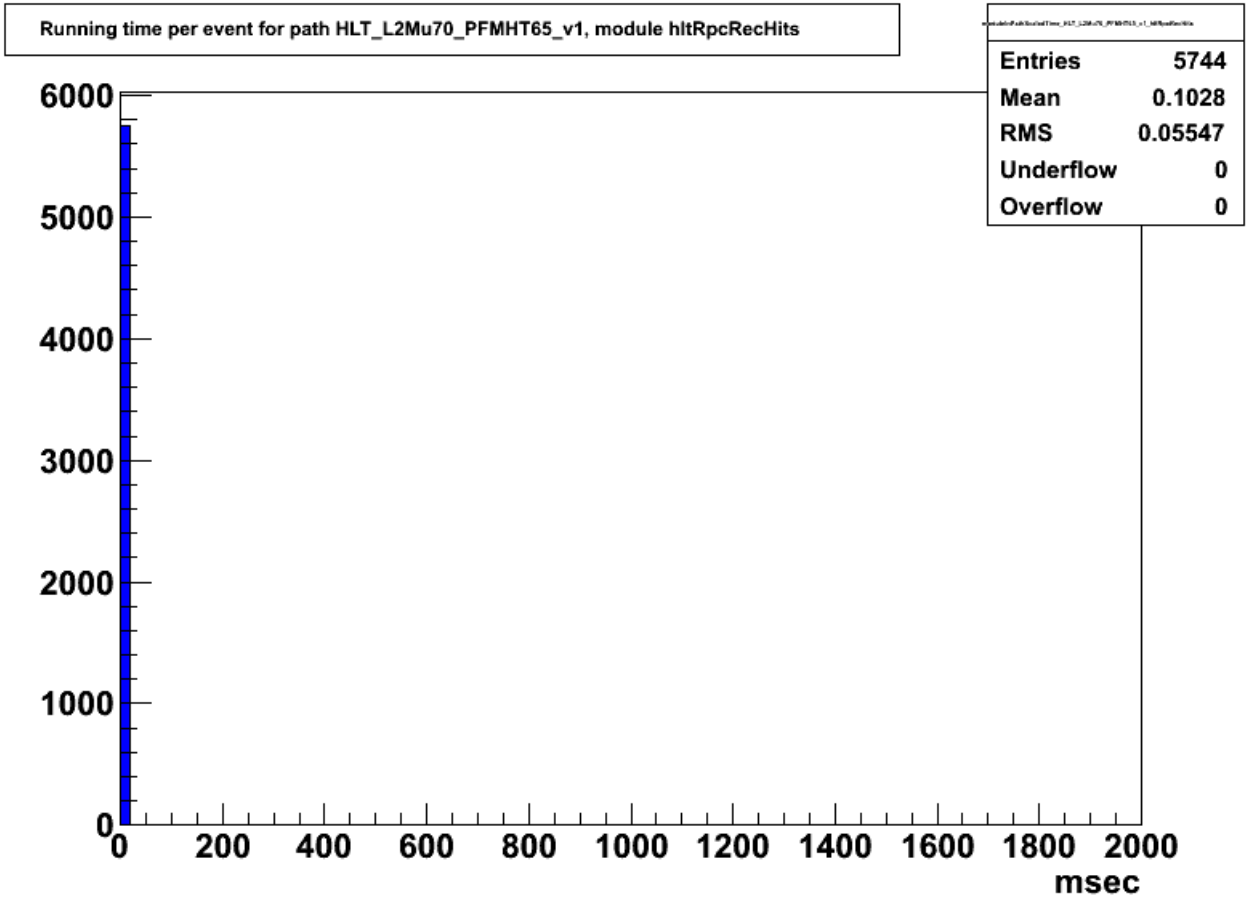
2.5.34 hltCscSegments



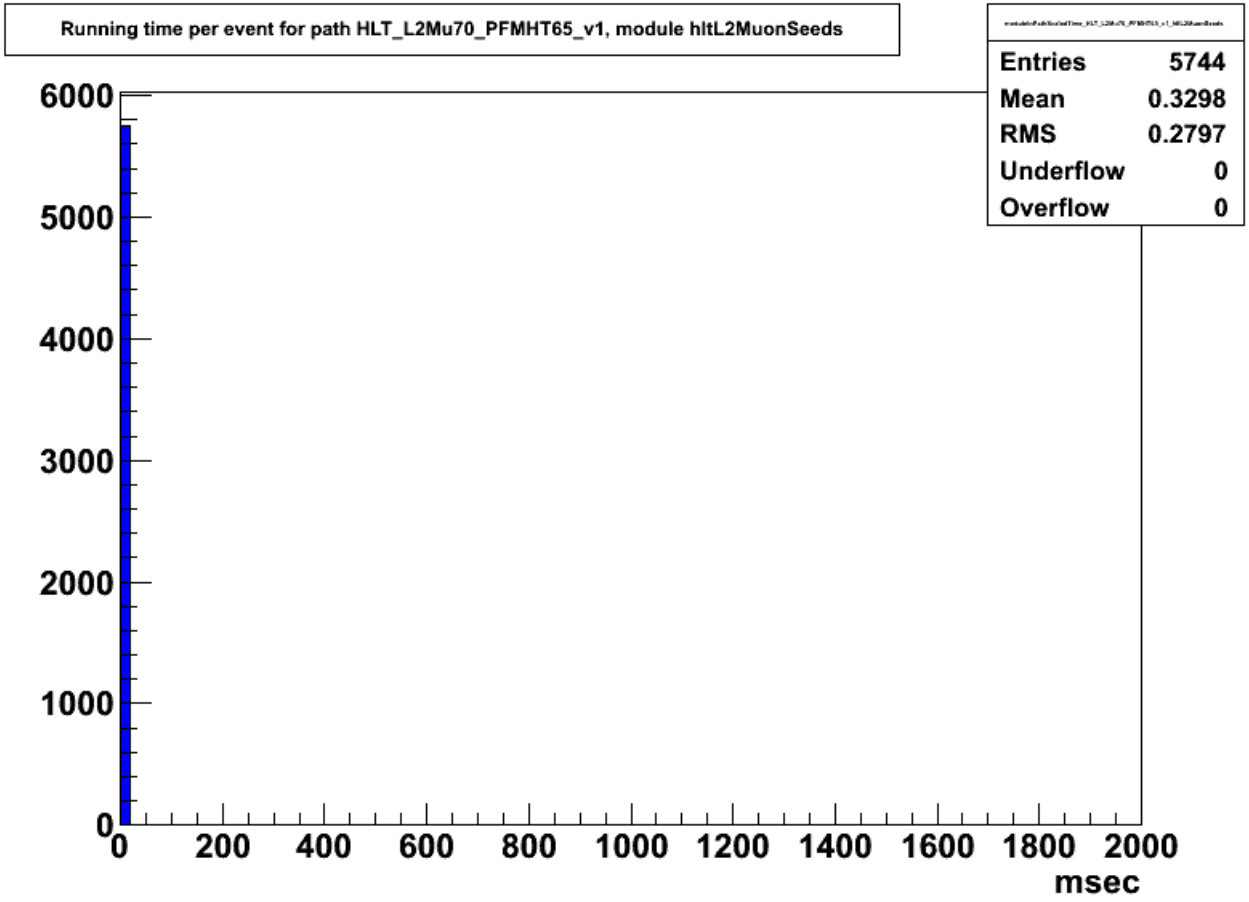
2.5.35 hltMuonRPCDigis



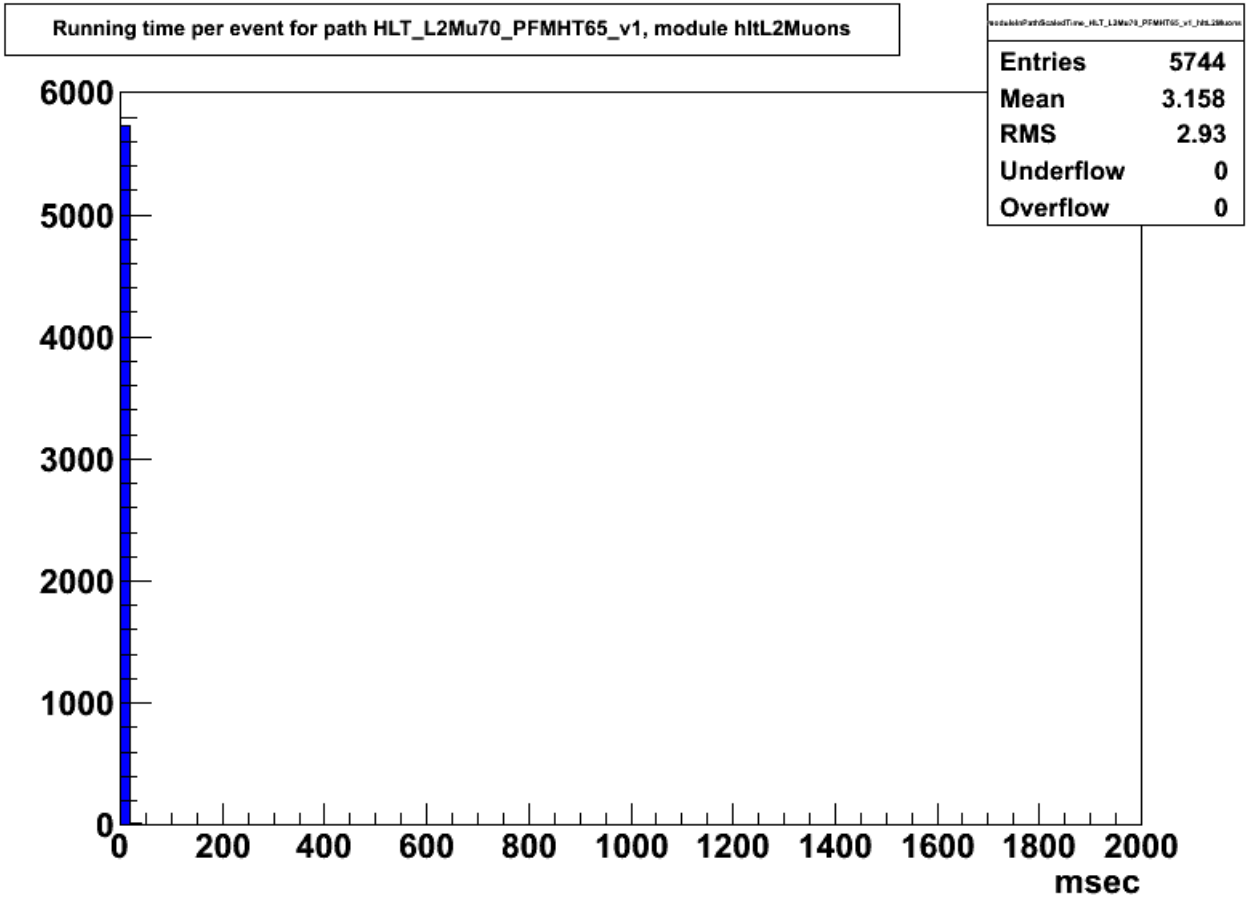
2.5.36 hltRpcRecHits



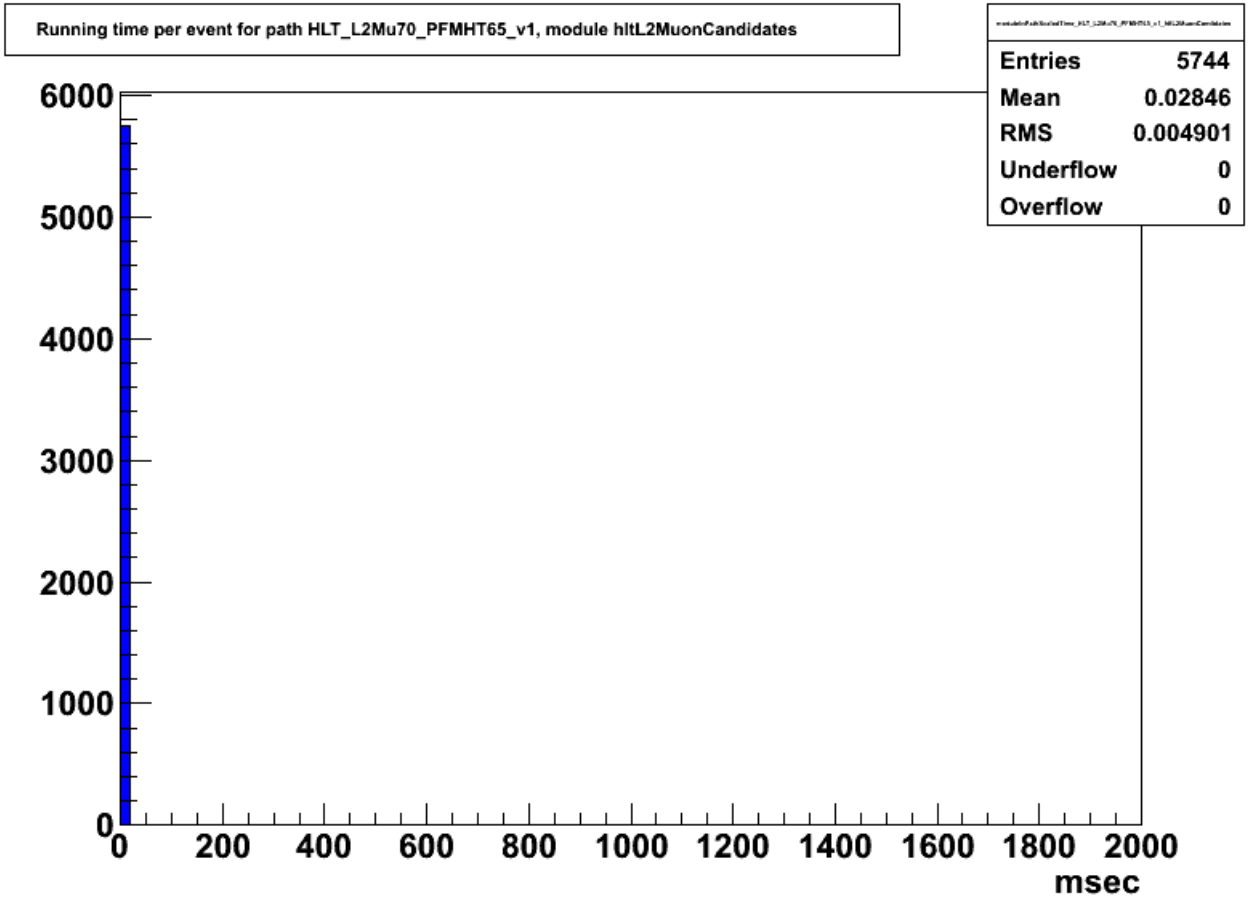
2.5.37 hltL2MuonSeeds



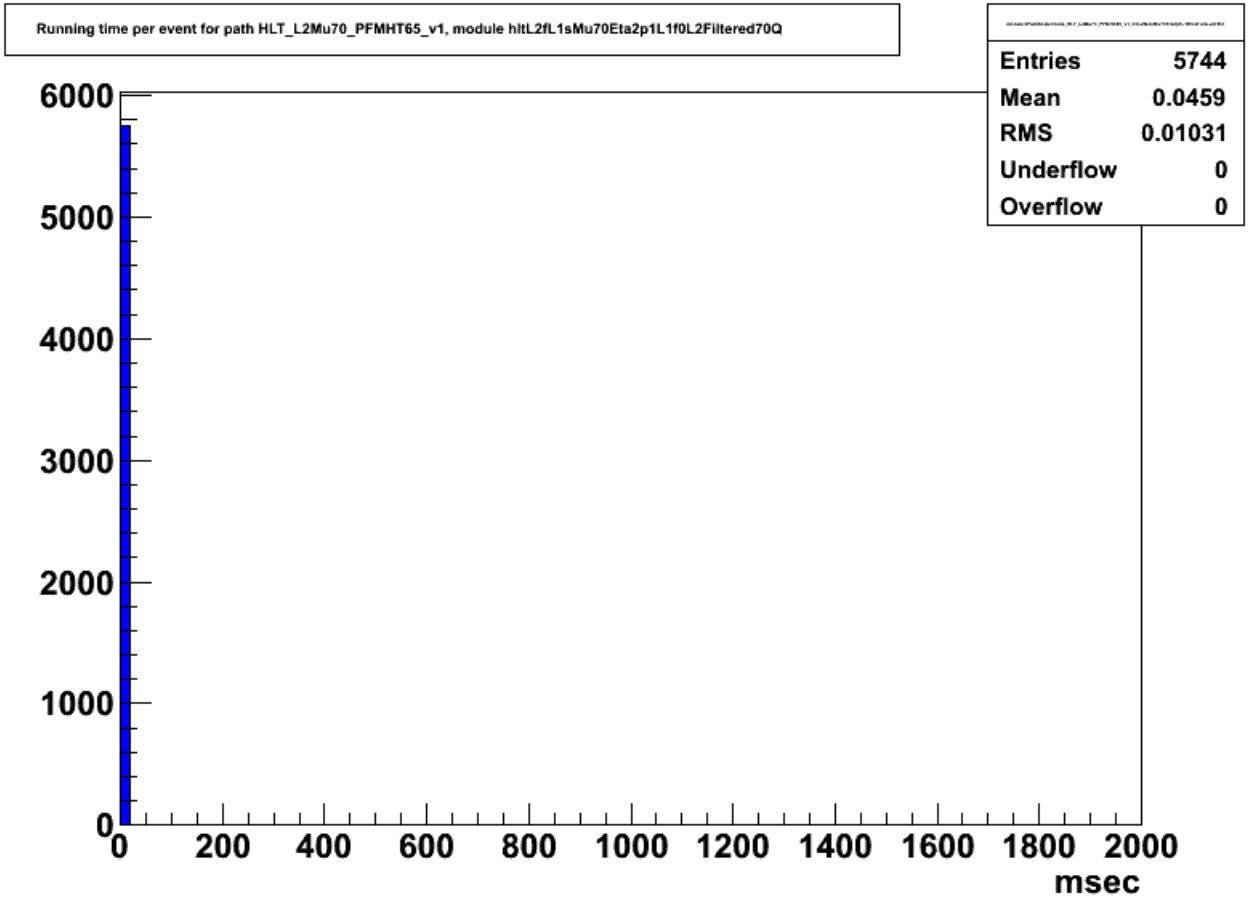
2.5.38 hltL2Muons



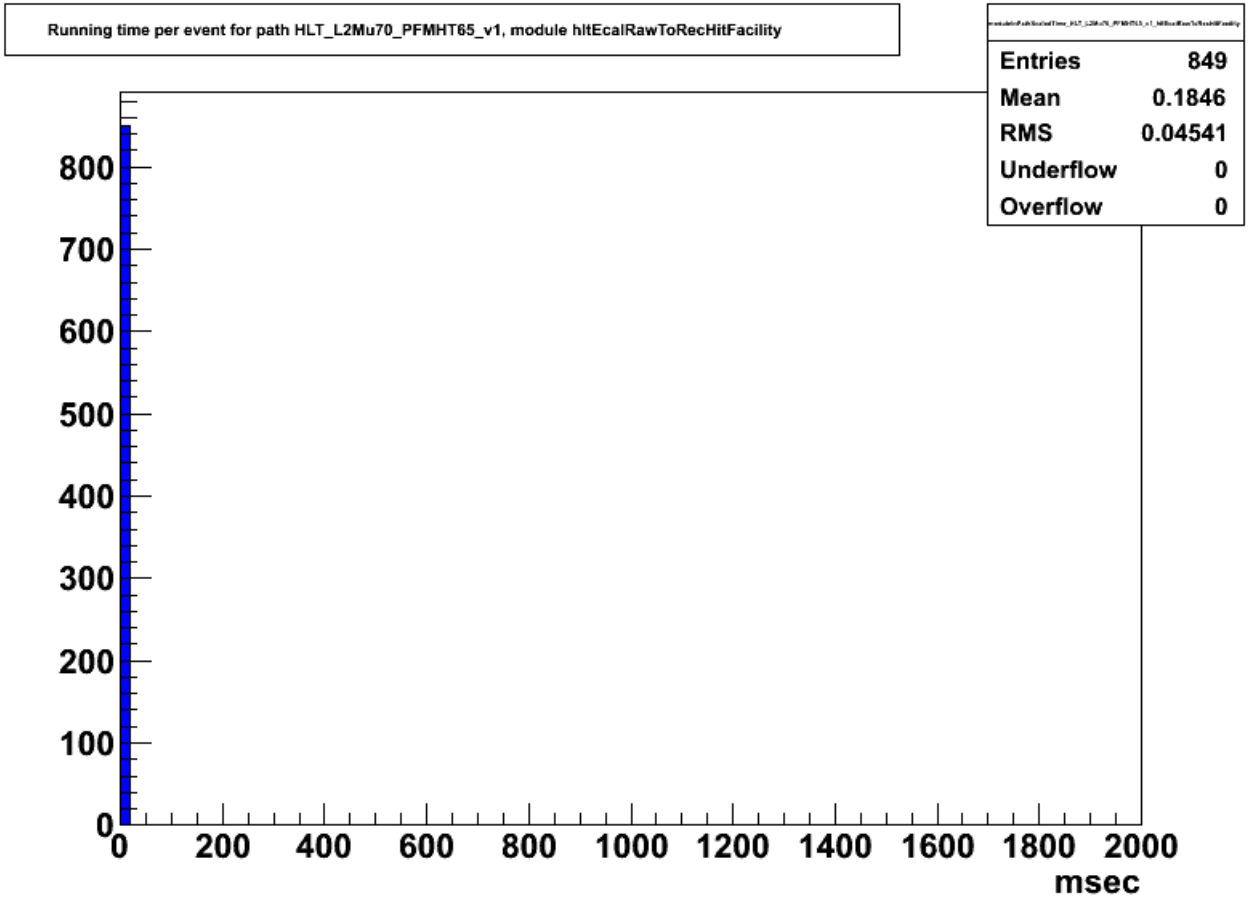
2.5.39 hltL2MuonCandidates



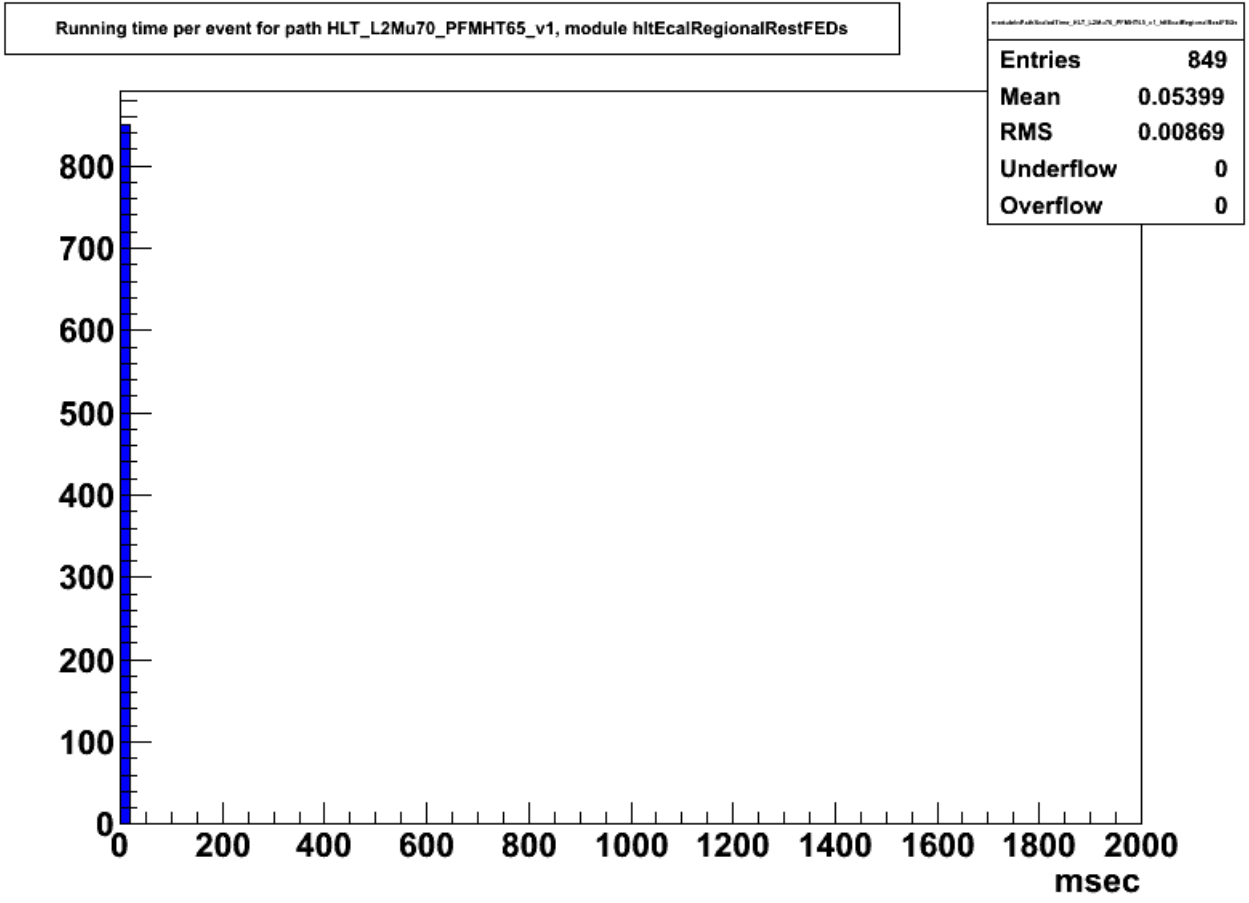
2.5.40 hltL2fL1sMu70Eta2p1L1f0L2Filtered70Q



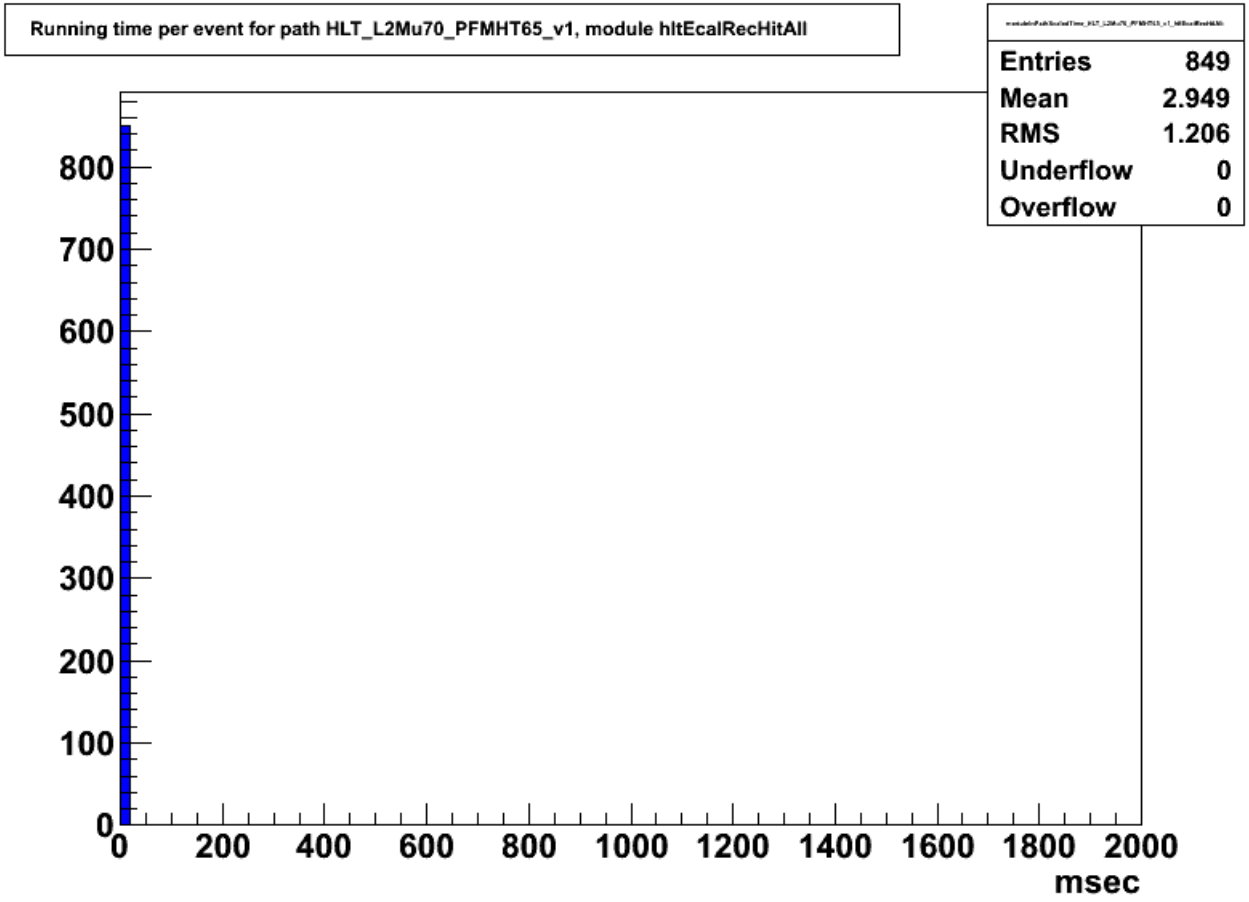
2.5.41 hltEcalRawToRecHitFacility



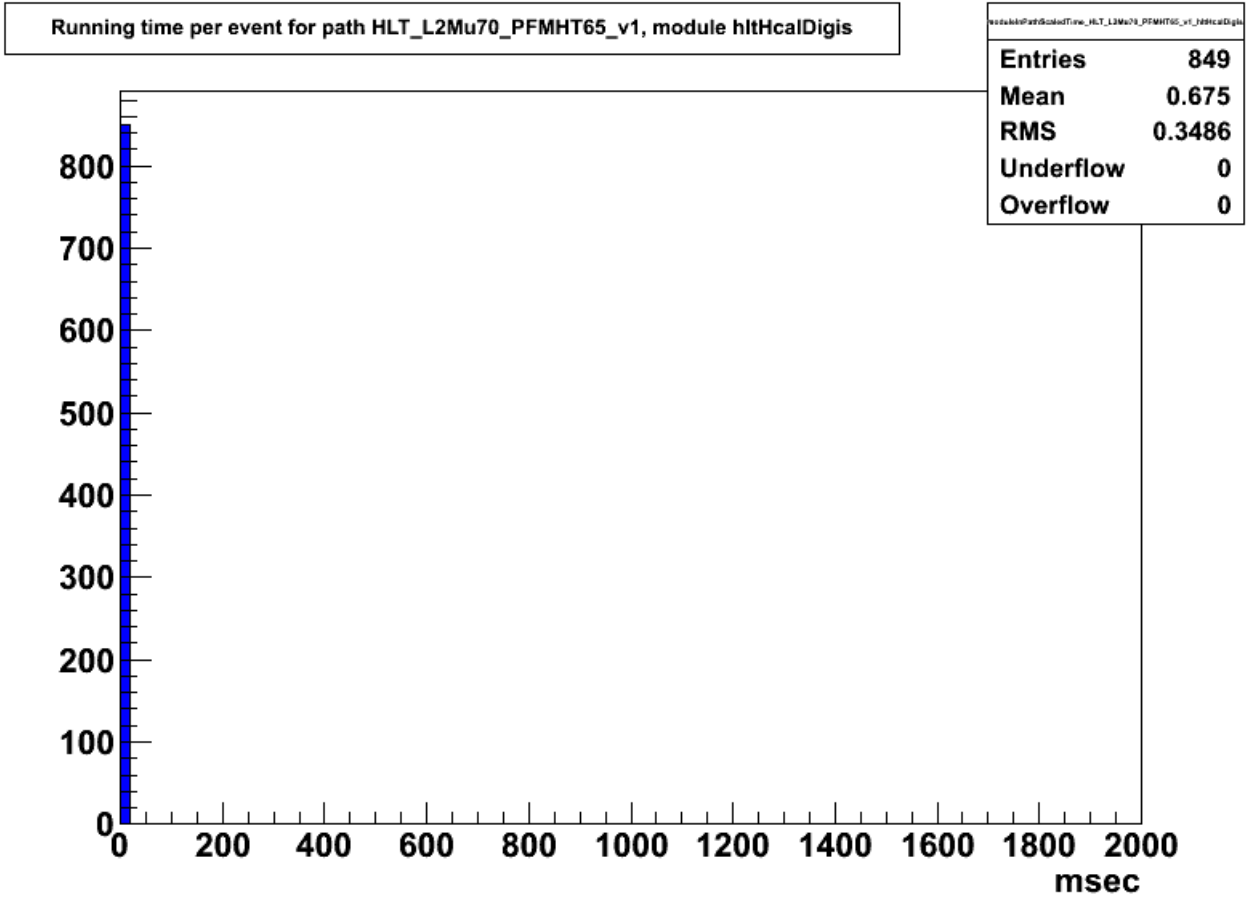
2.5.42 hltEcalRegionalRestFEDs



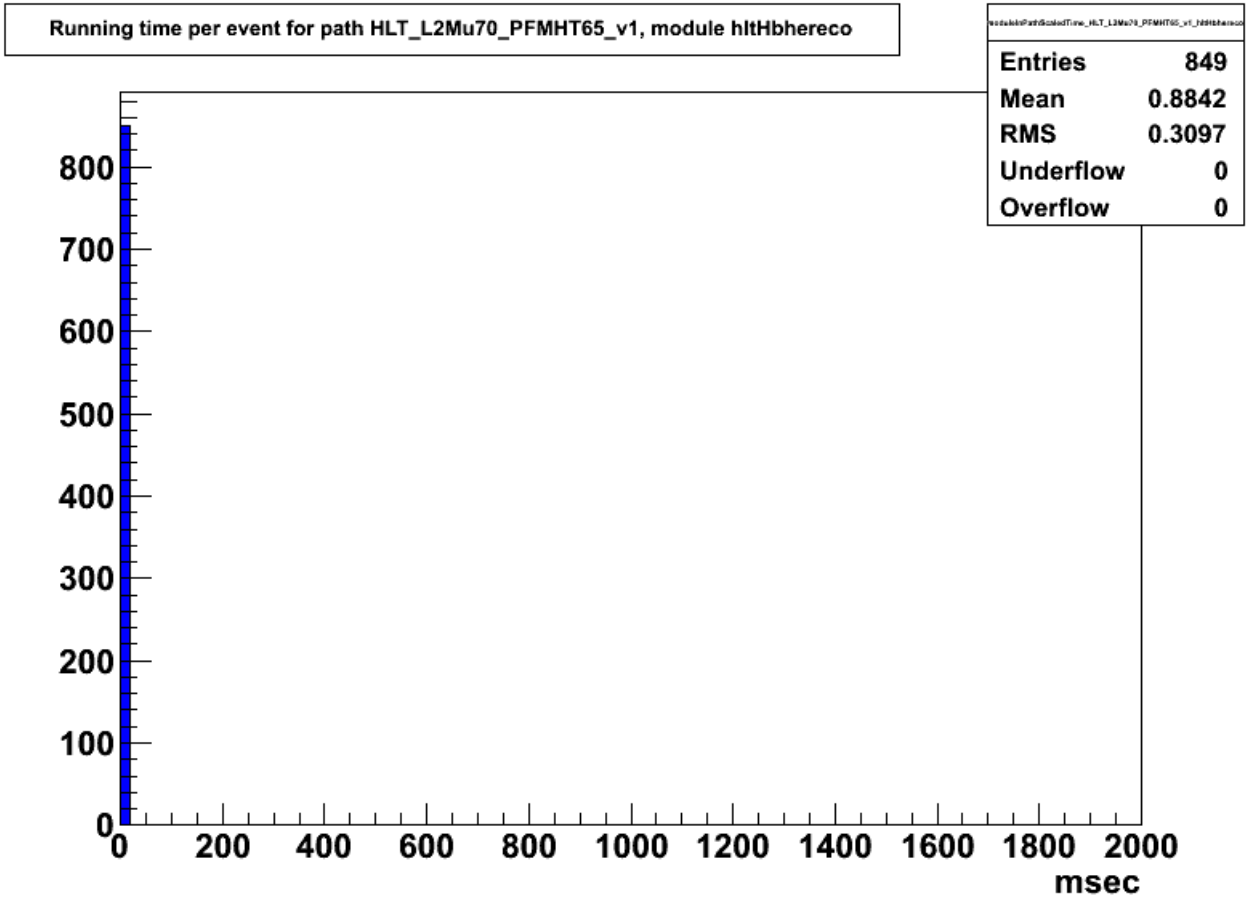
2.5.43 hltEcalRecHitAll



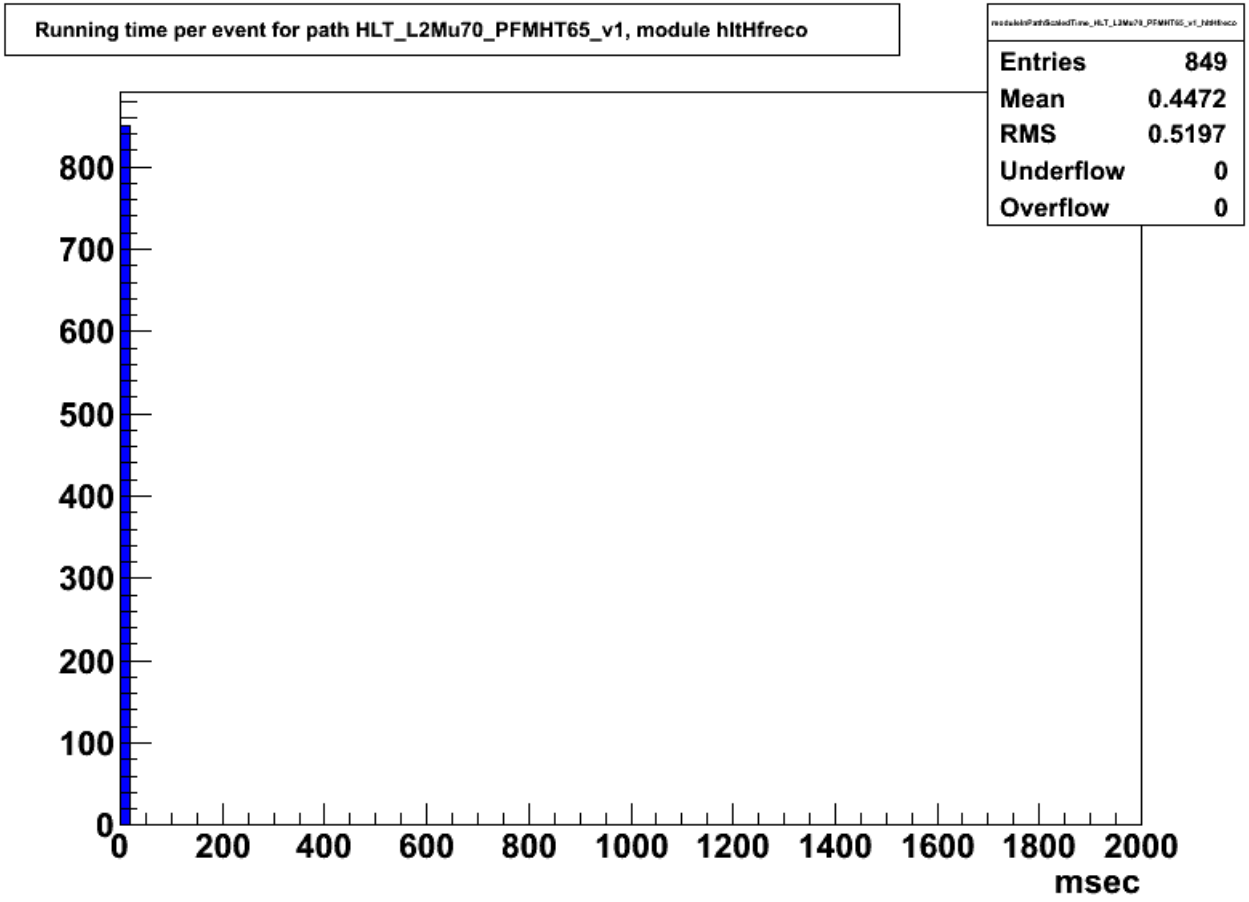
2.5.44 hltHcalDigis



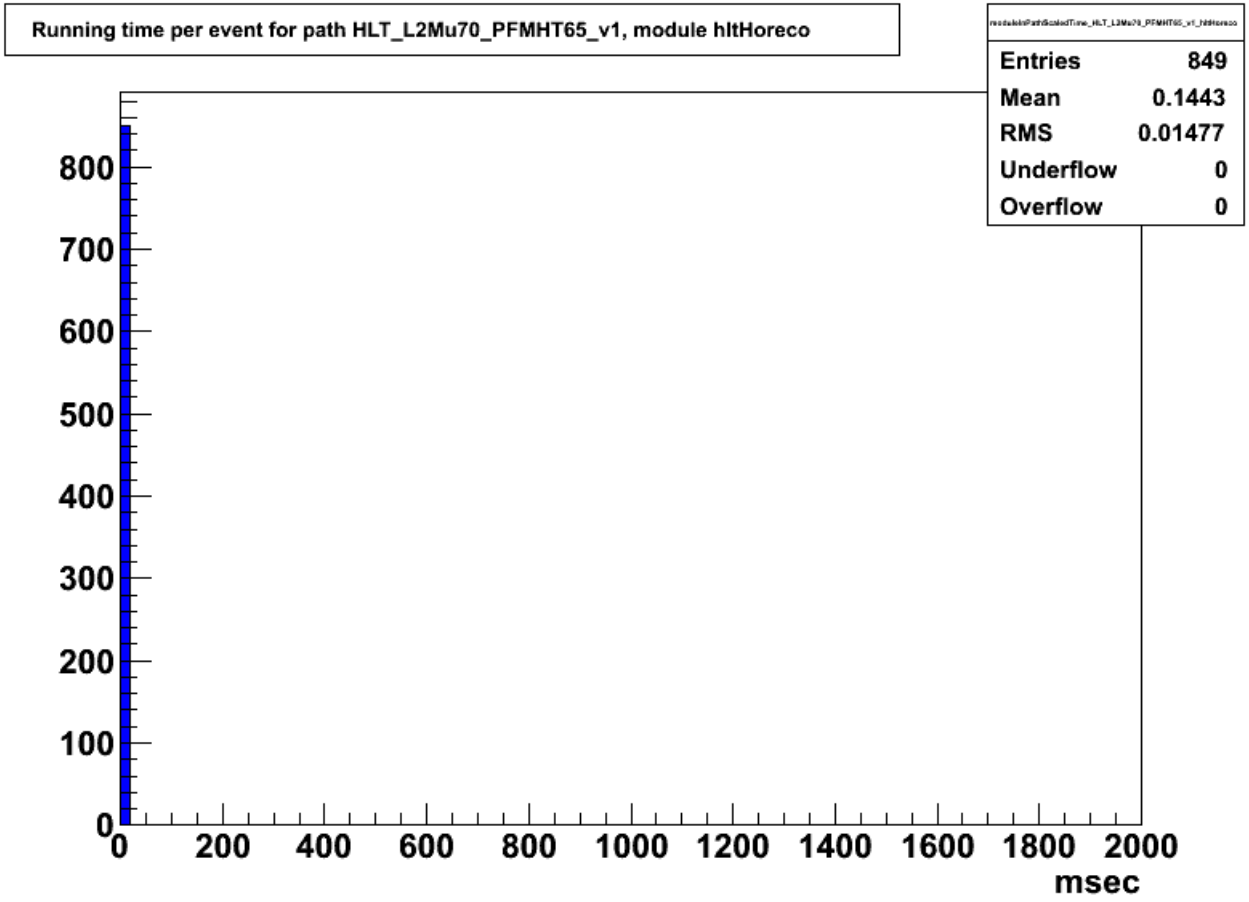
2.5.45 hltHbhereco



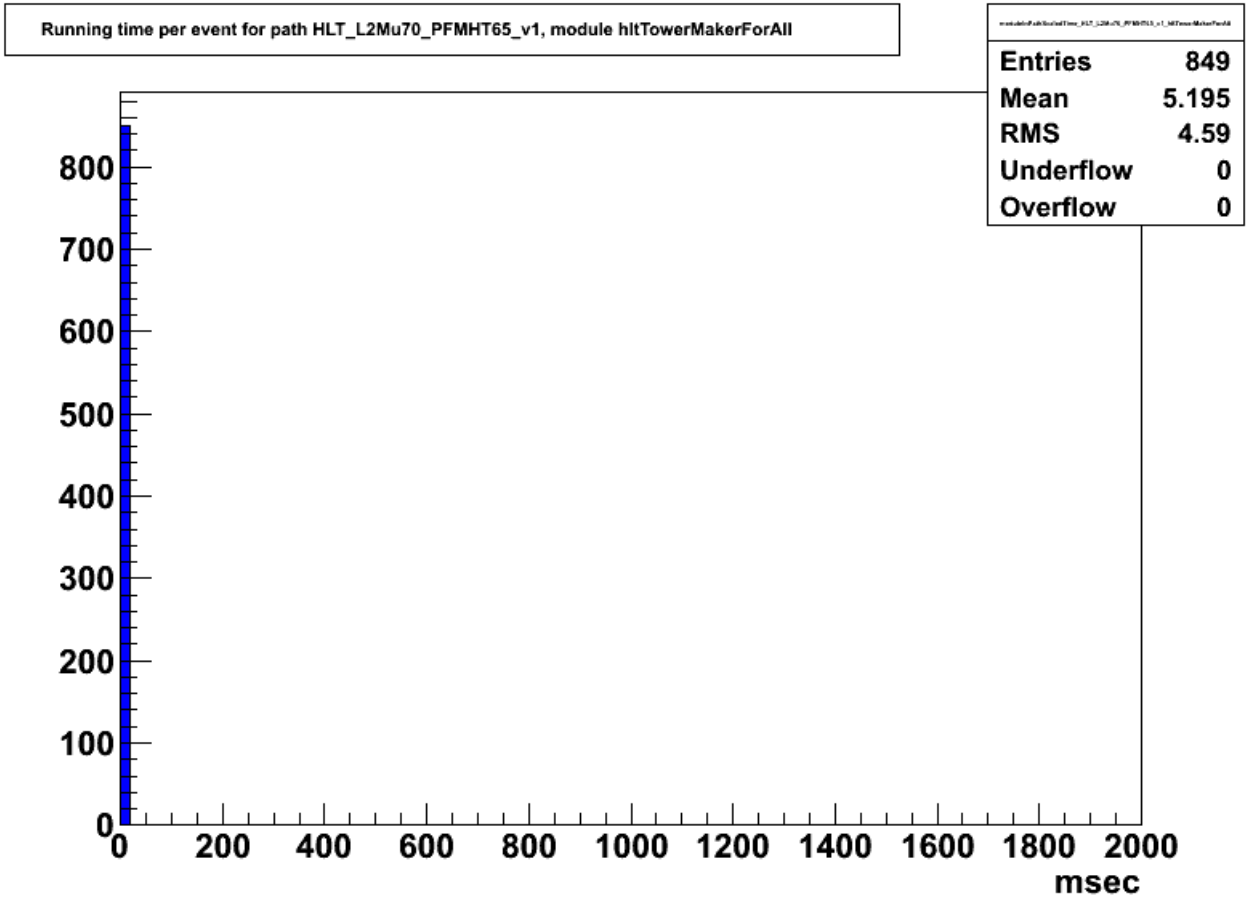
2.5.46 hltHfreco



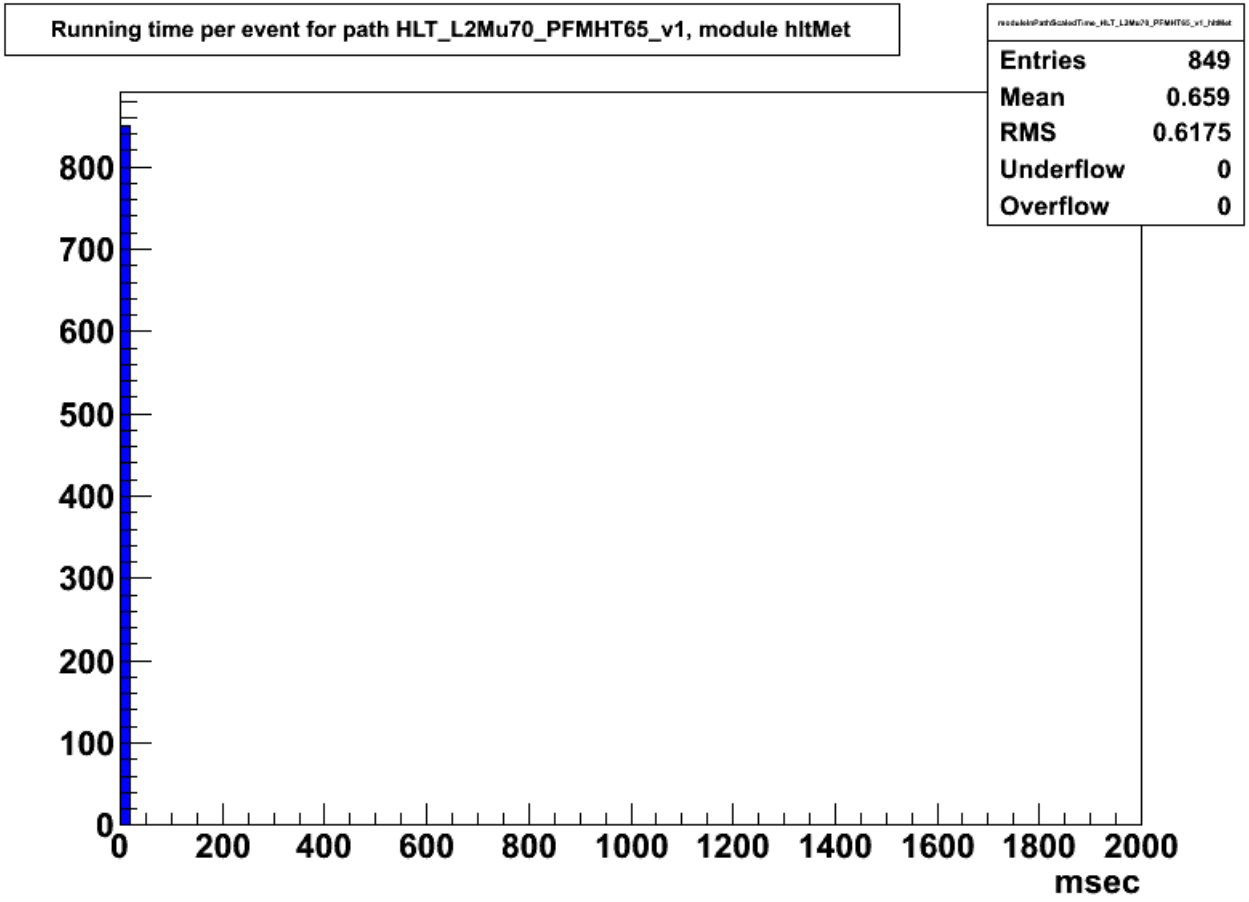
2.5.47 hltHoreco



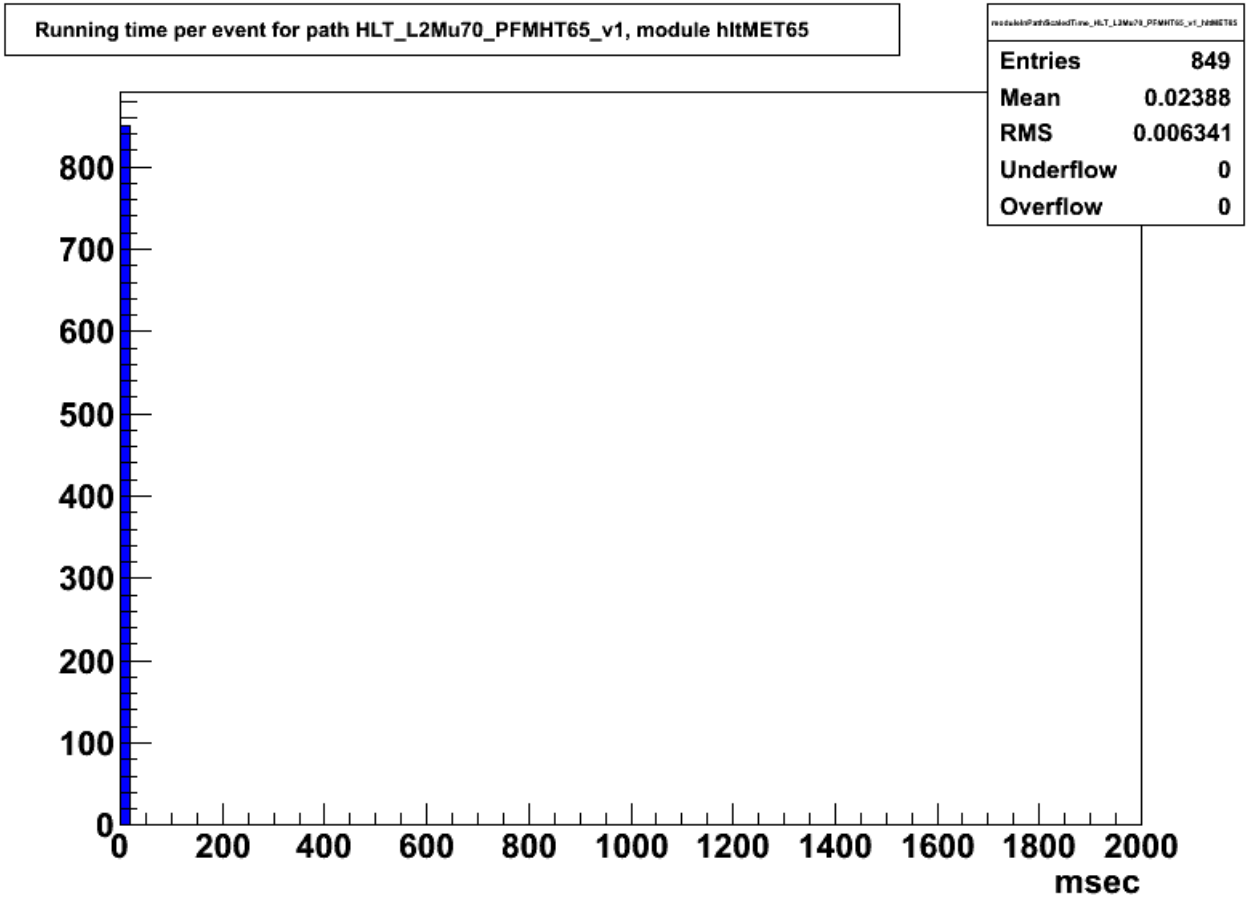
2.5.48 hltTowerMakerForAll



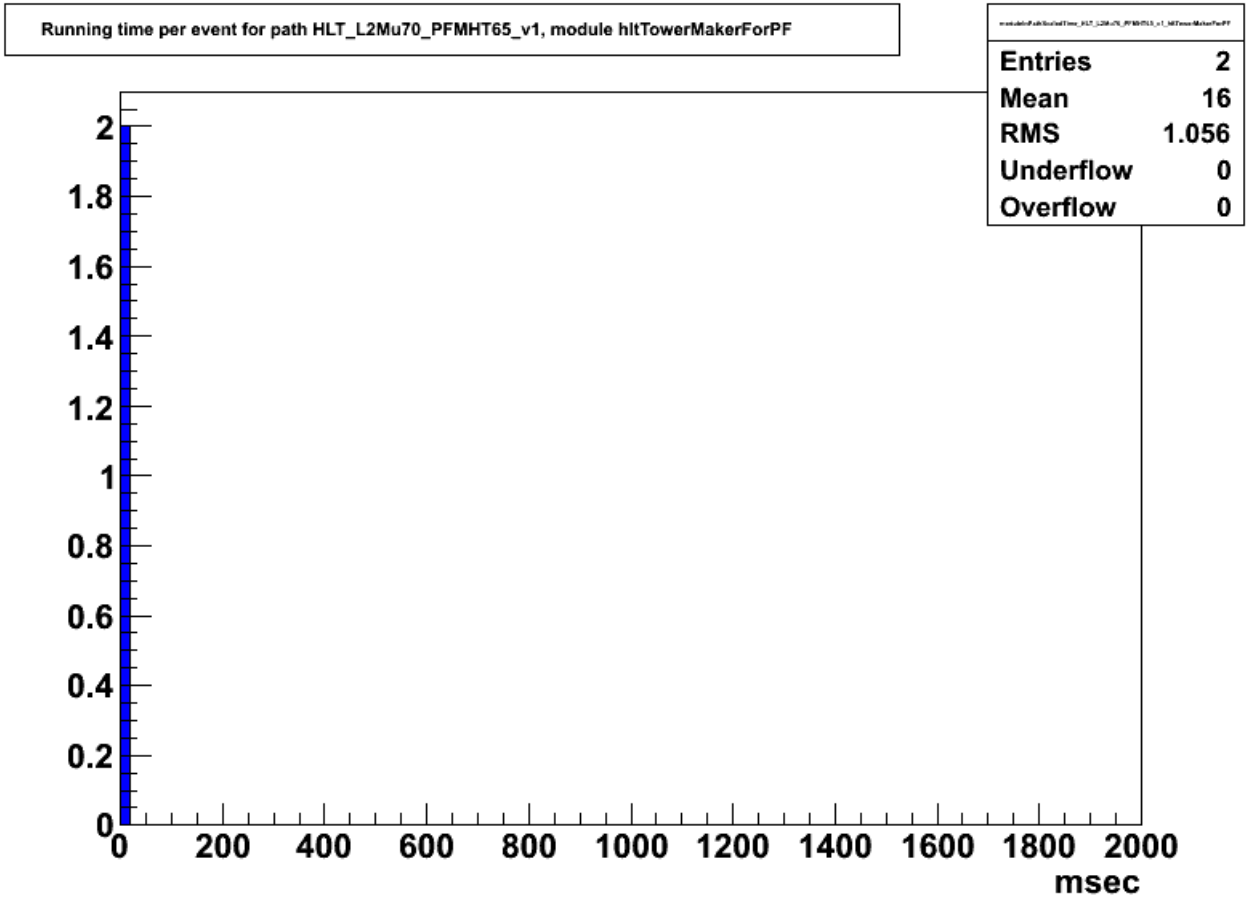
2.5.49 hltMet


Running time per event for path HLT_L2Mu70_PFMHT65_v1, module hltMet
Entries 849
Mean 0.659
RMS 0.6175
Underflow 0
Overflow 0
800
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
msec

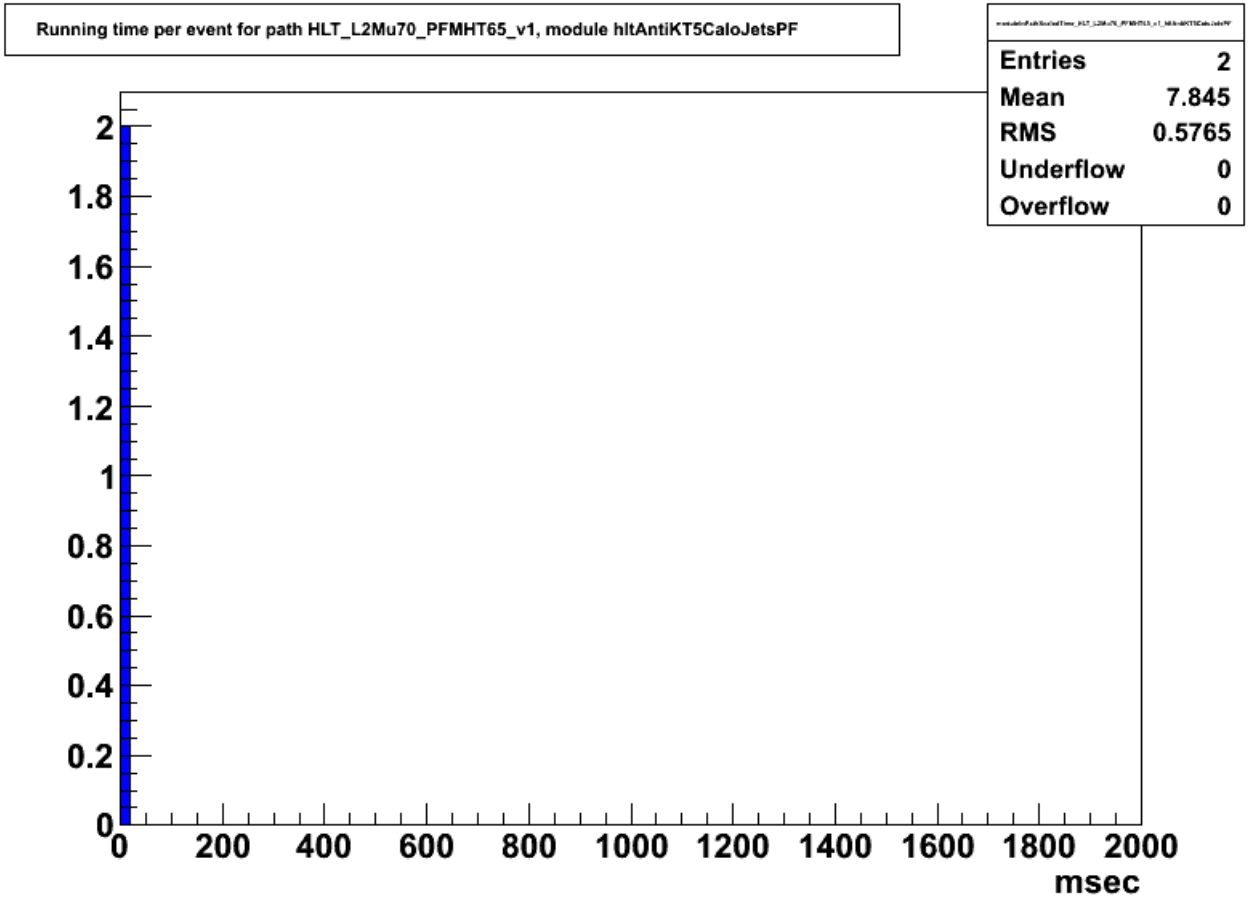
2.5.50 hltMET65



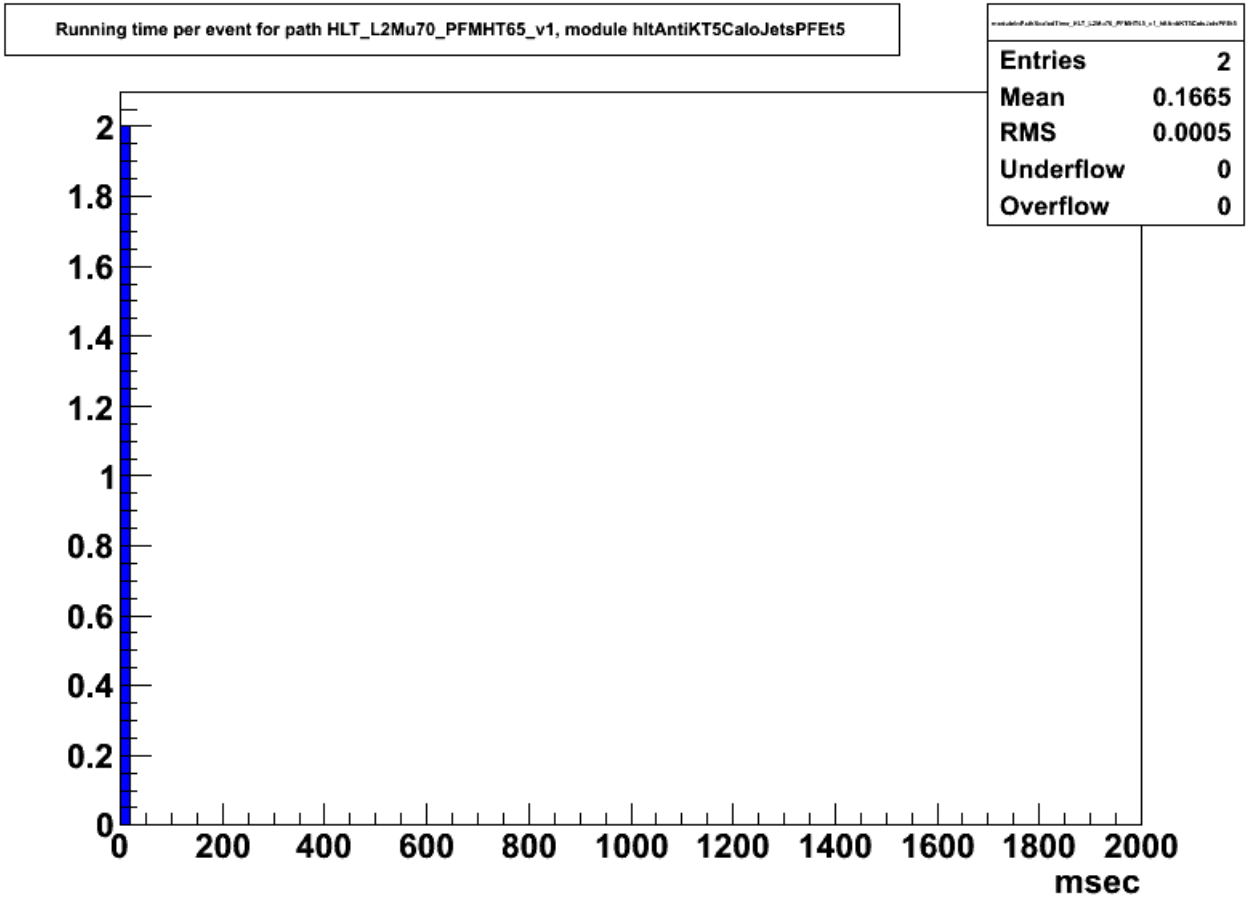
2.5.51 hltTowerMakerForPF



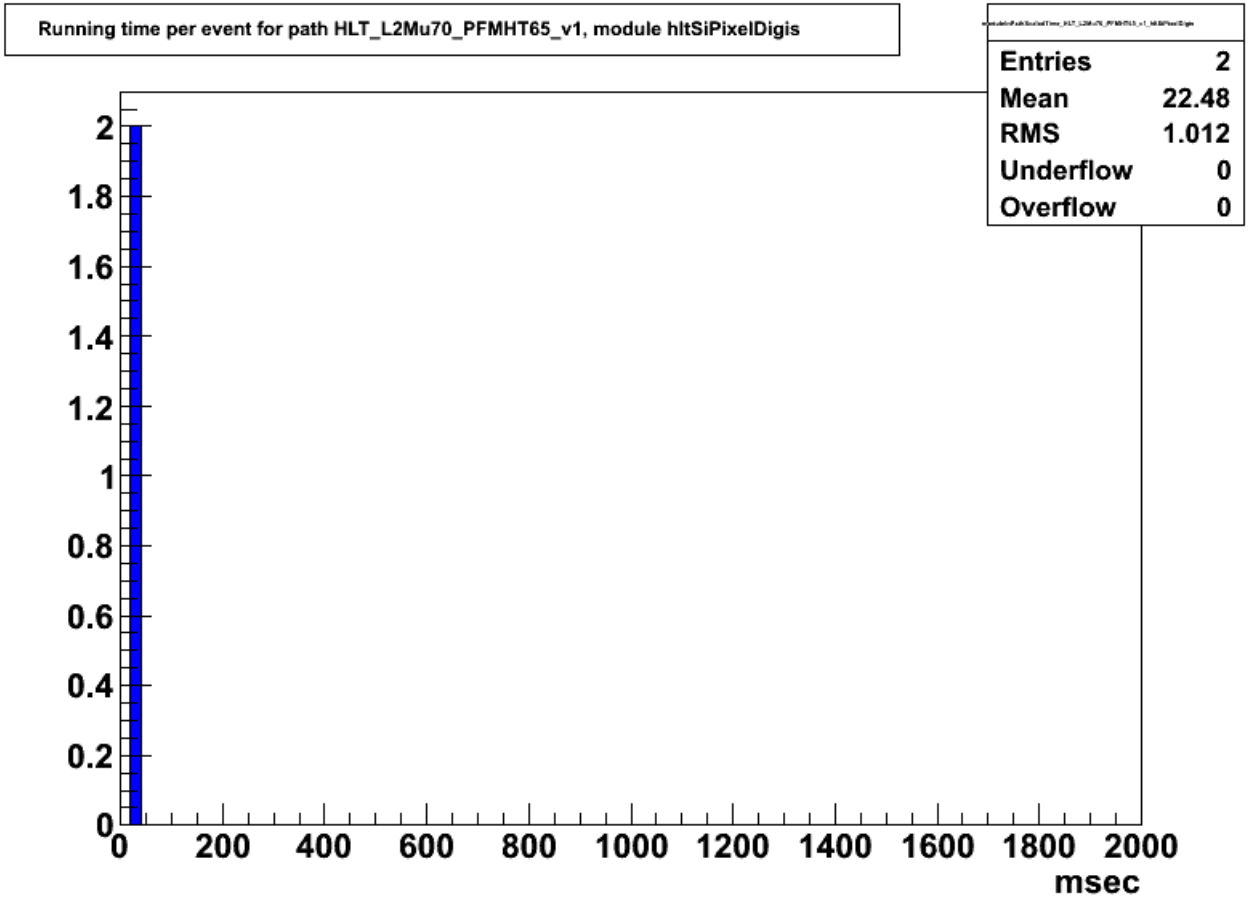
2.5.52 hltAntiKT5CaloJetsPF



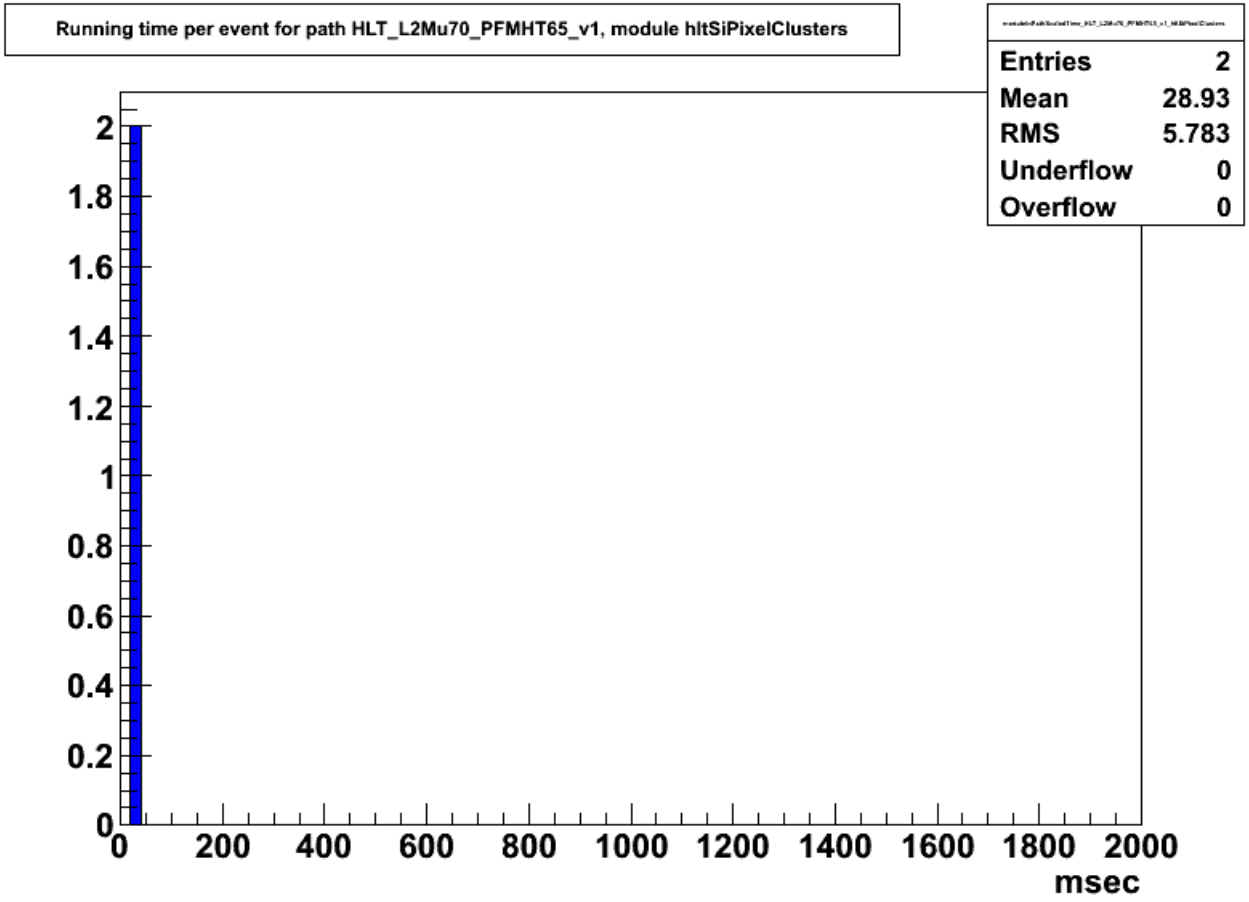
2.5.53 hltAntiKT5CaloJetsPFEt5



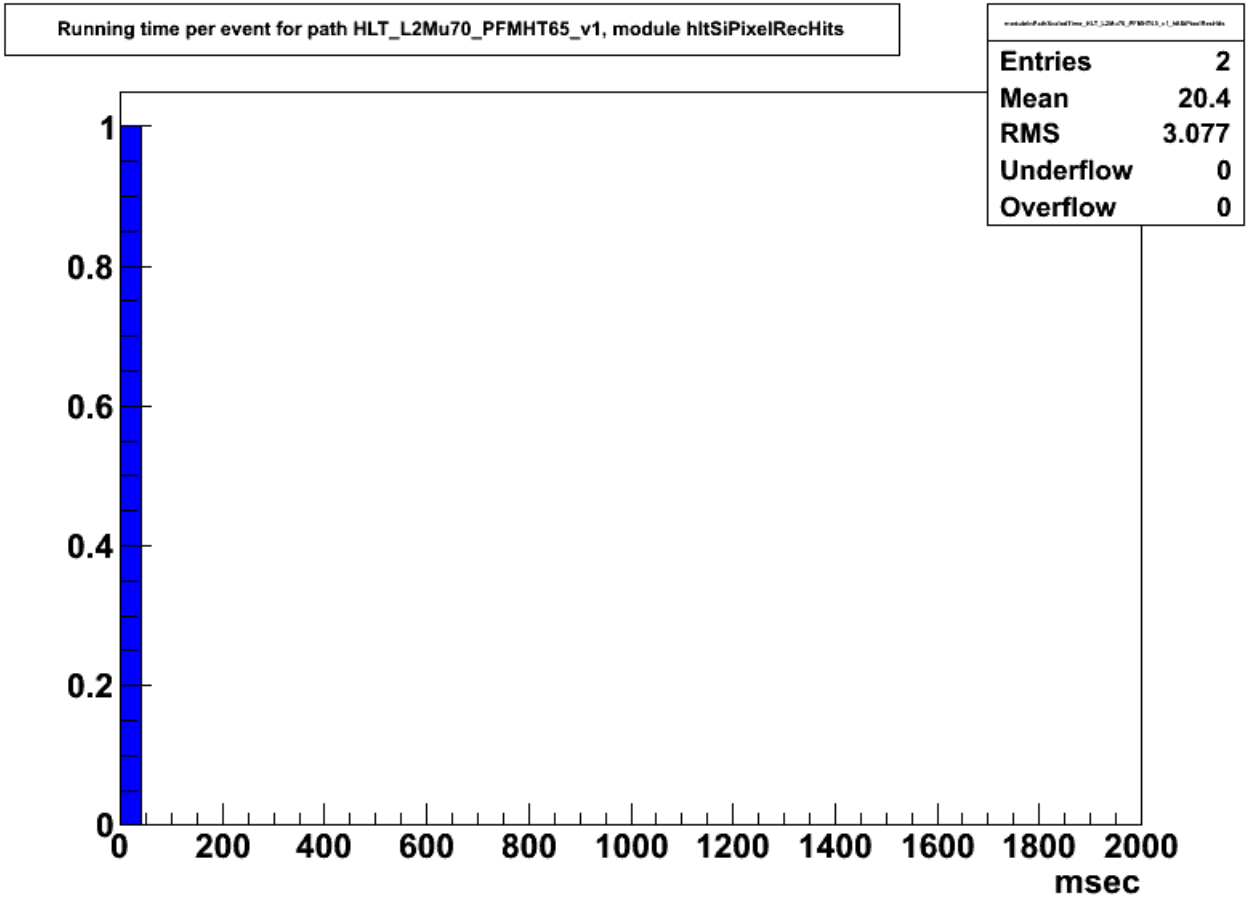
2.5.54 hltSiPixelDigis



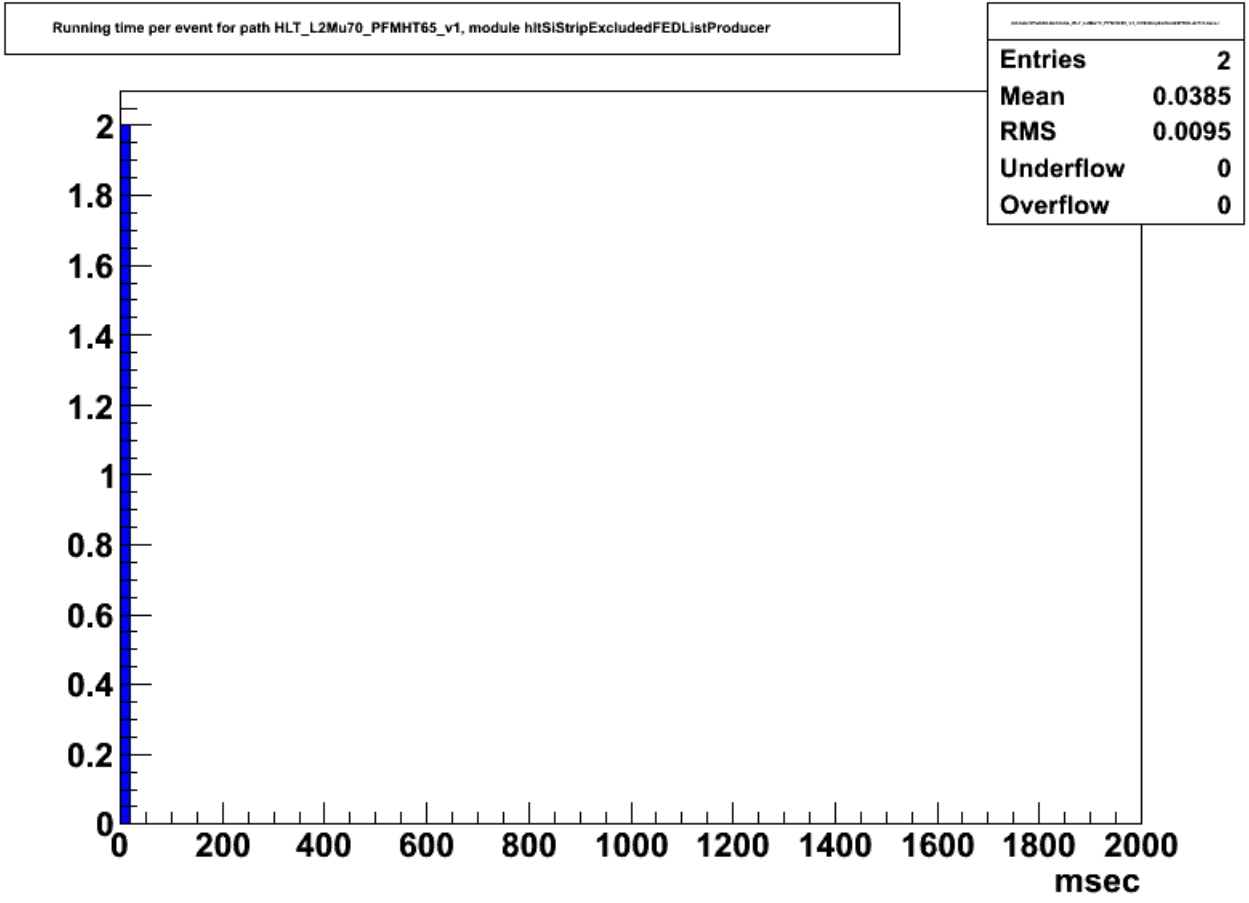
2.5.55 hltSiPixelClusters



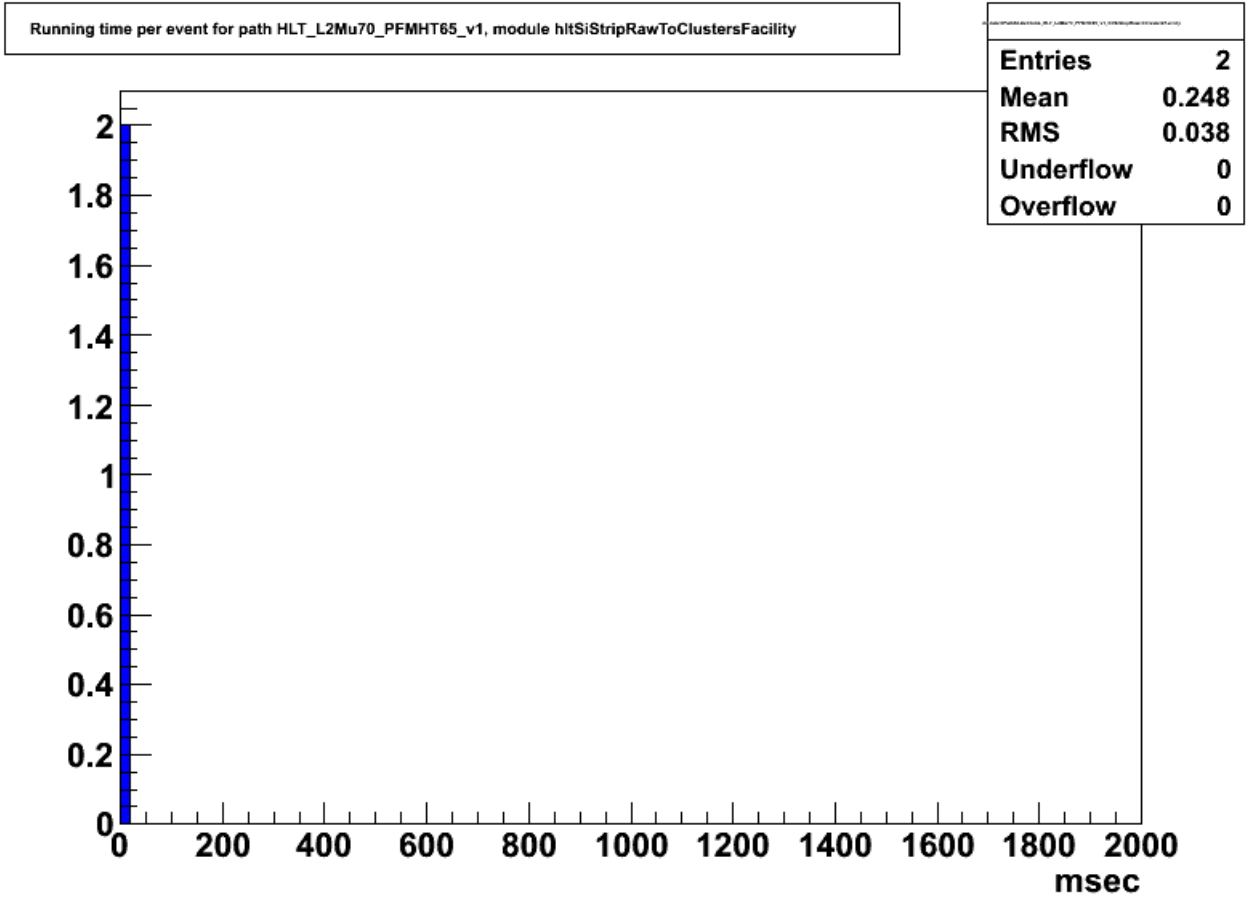
2.5.56 hltSiPixelRecHits



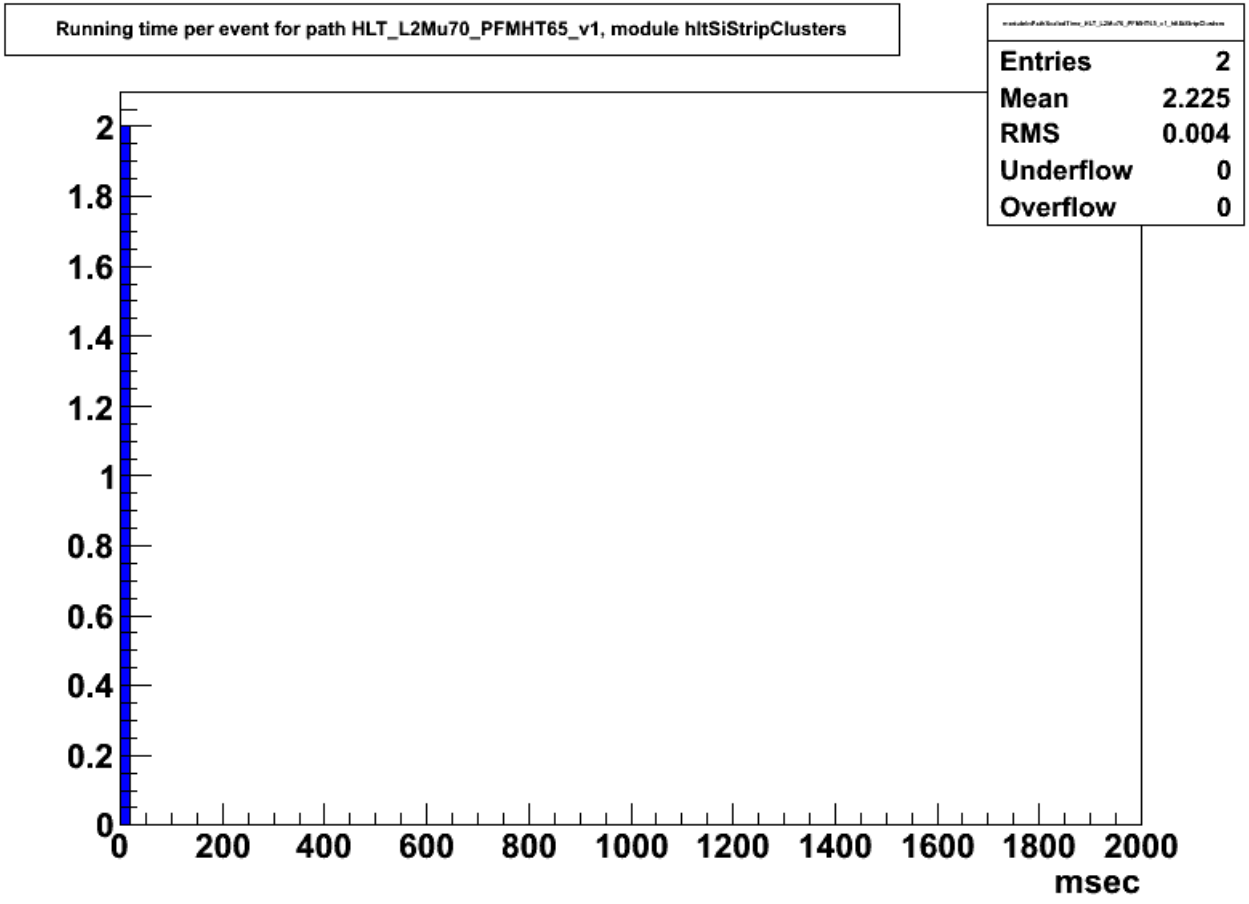
2.5.57 hltSiStripExcludedFEDListProducer



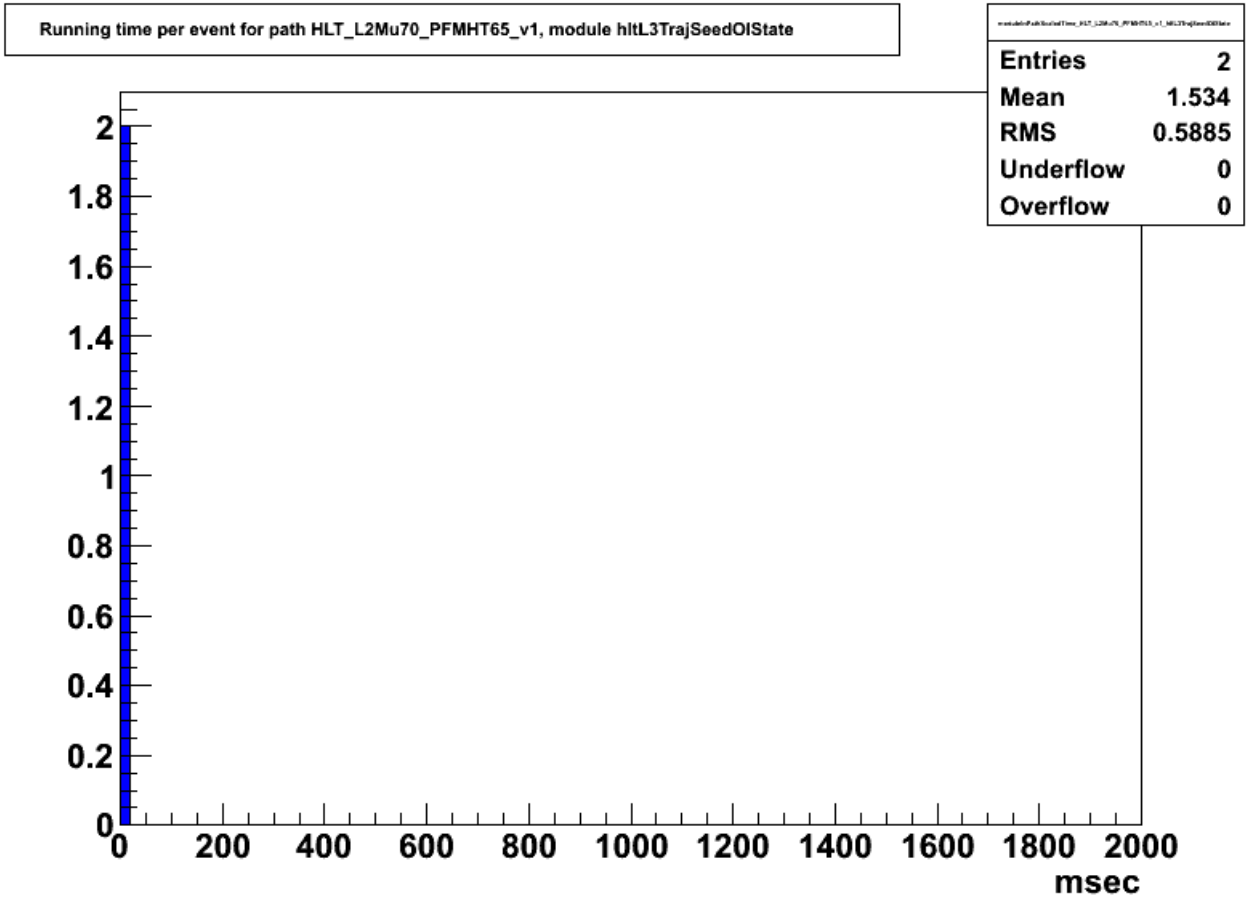
2.5.58 hltSiStripRawToClustersFacility



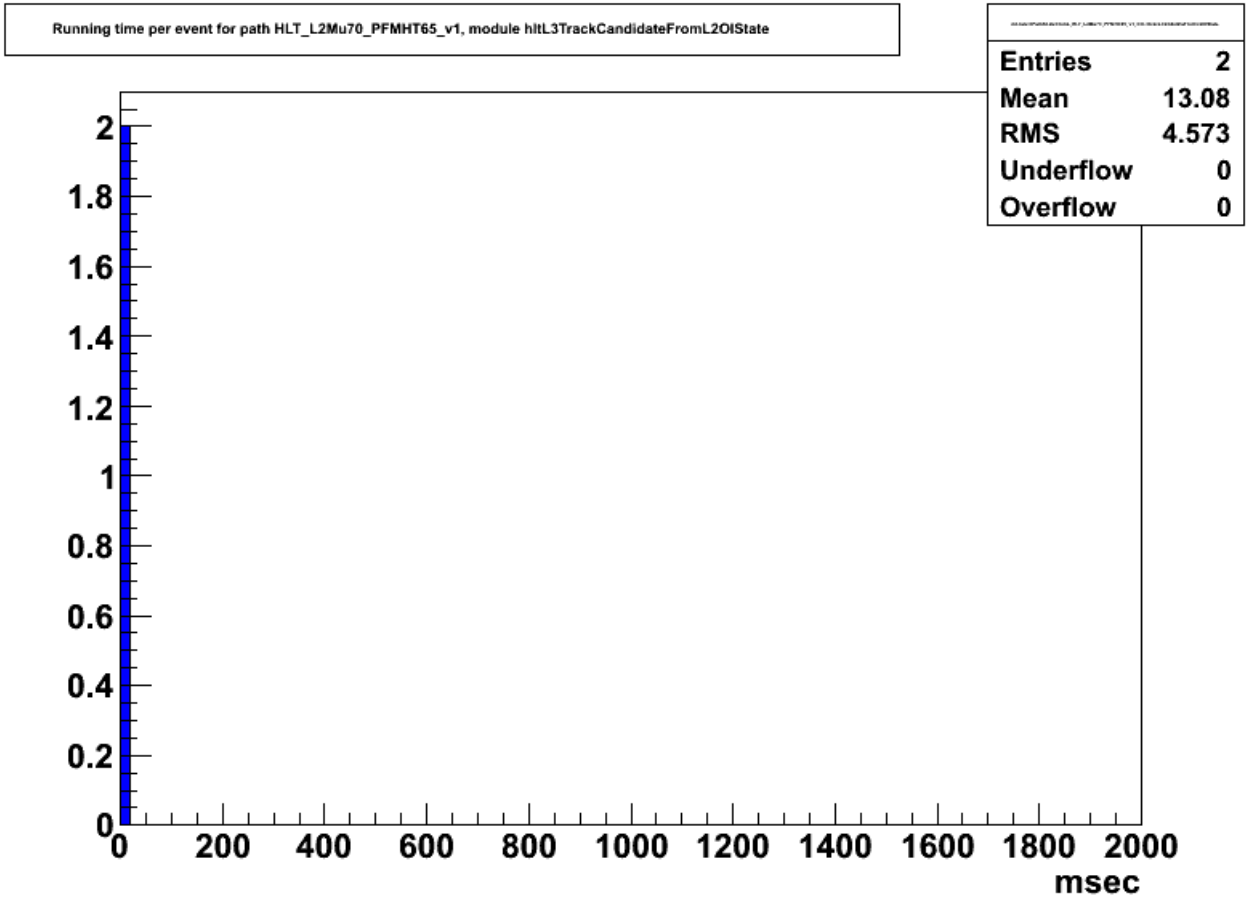
2.5.59 hltSiStripClusters



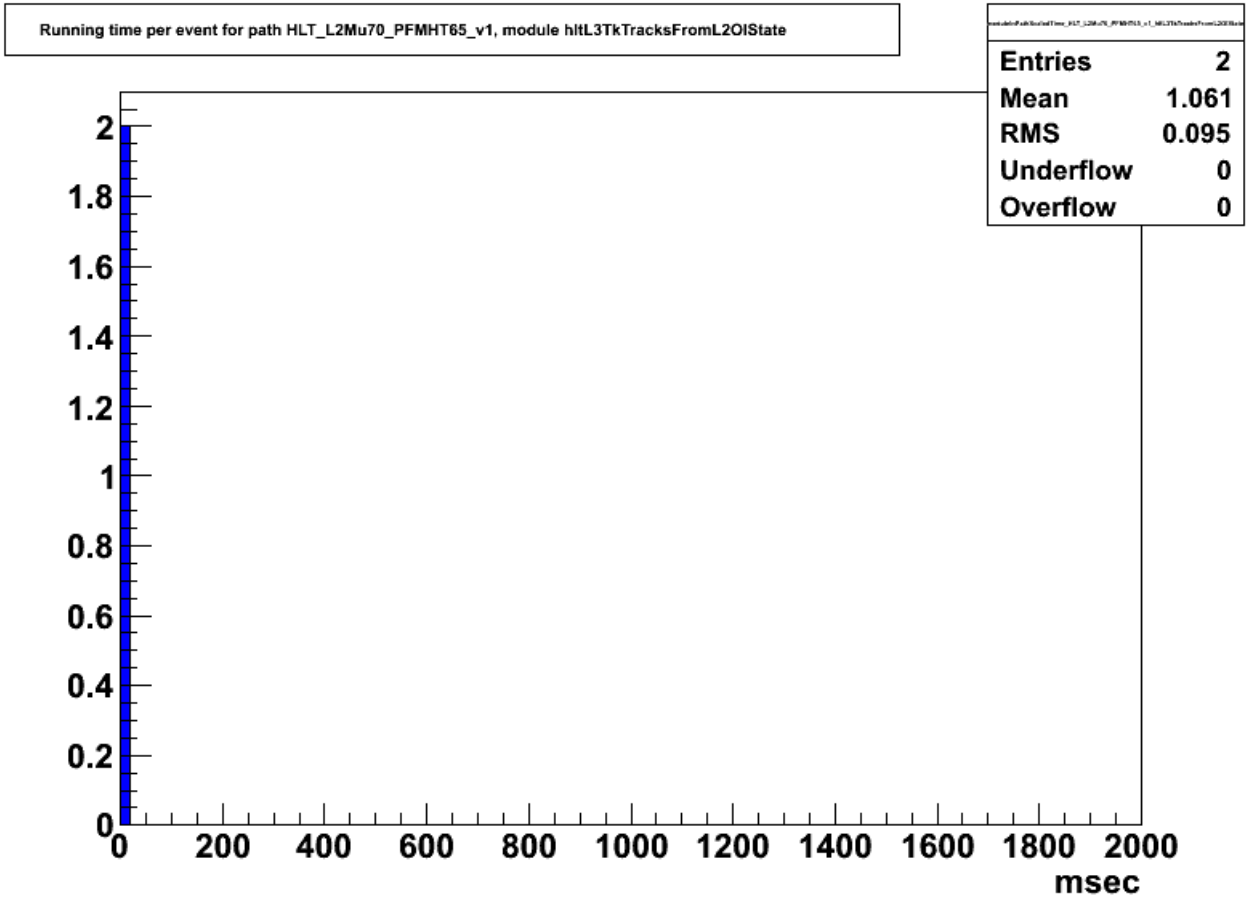
2.5.60 hltL3TrajSeedOIState



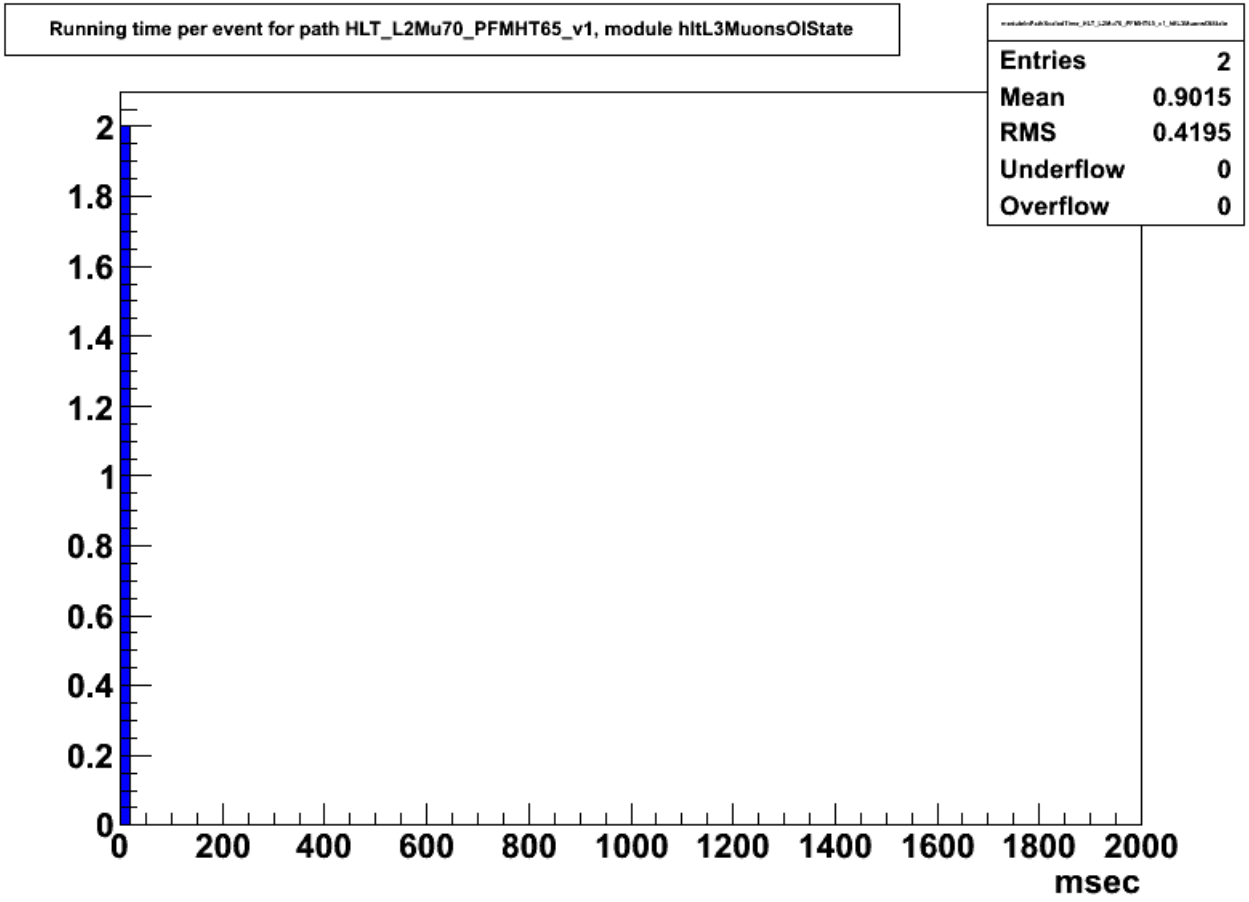
2.5.61 hltL3TrackCandidateFromL2OIState



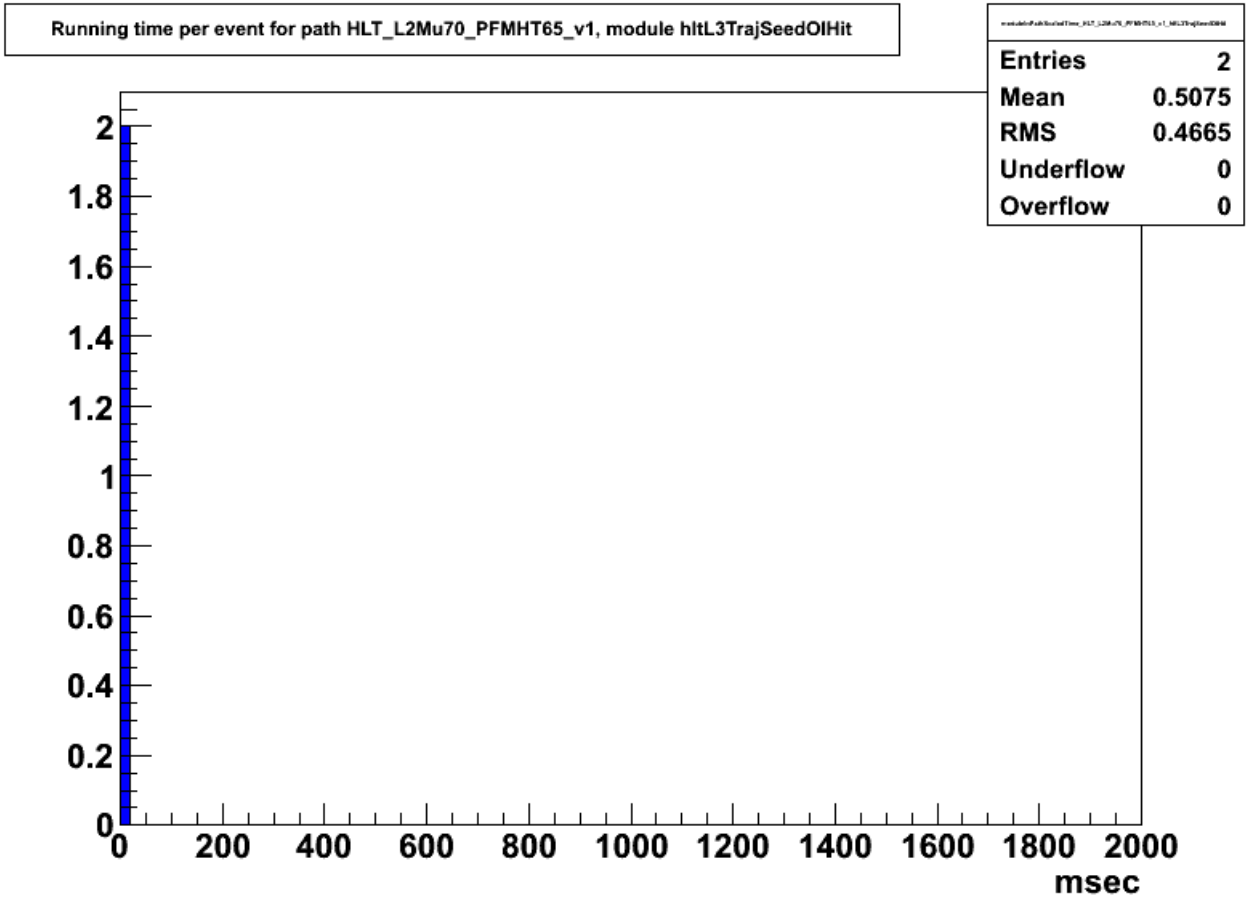
2.5.62 hltL3TkTracksFromL2OIState



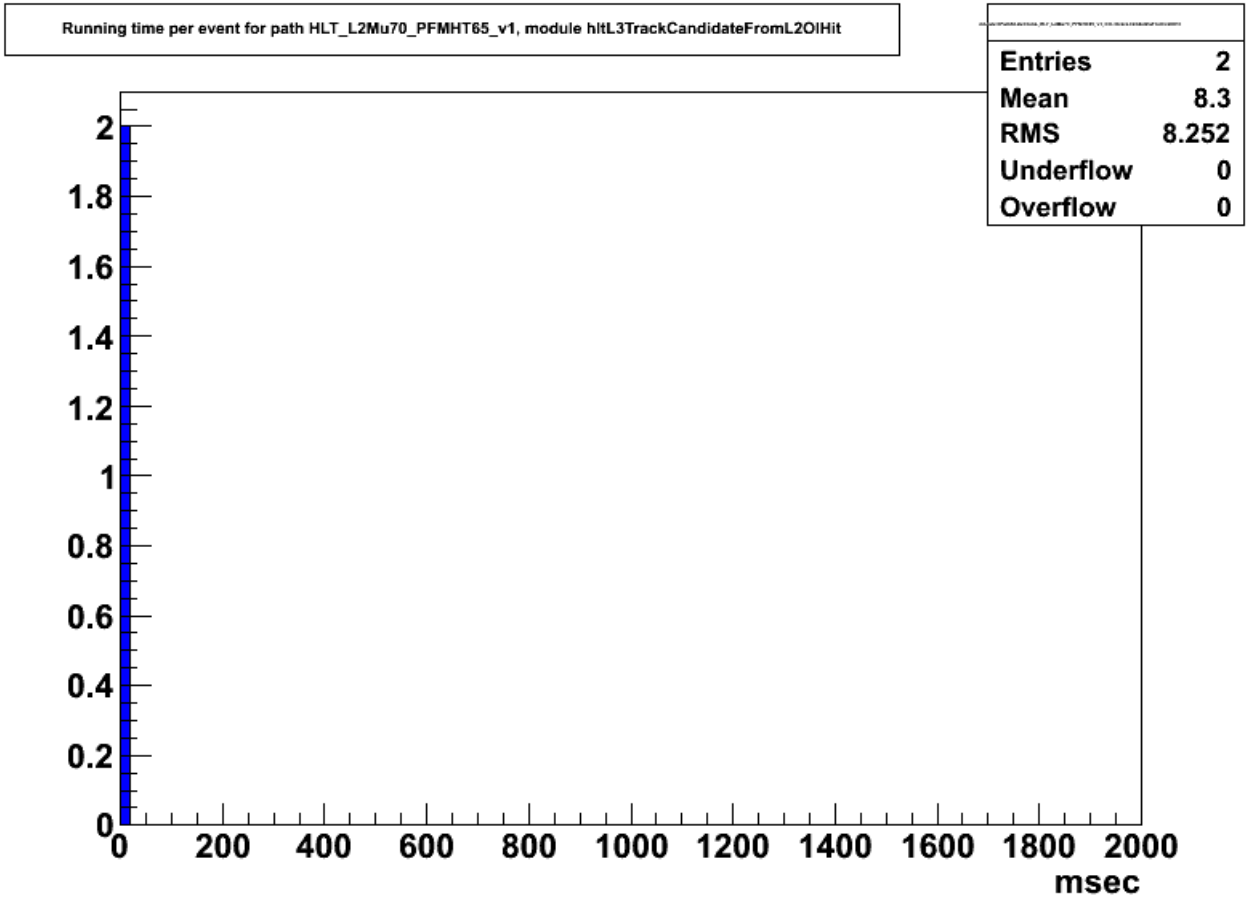
2.5.63 hltL3MuonsOIState



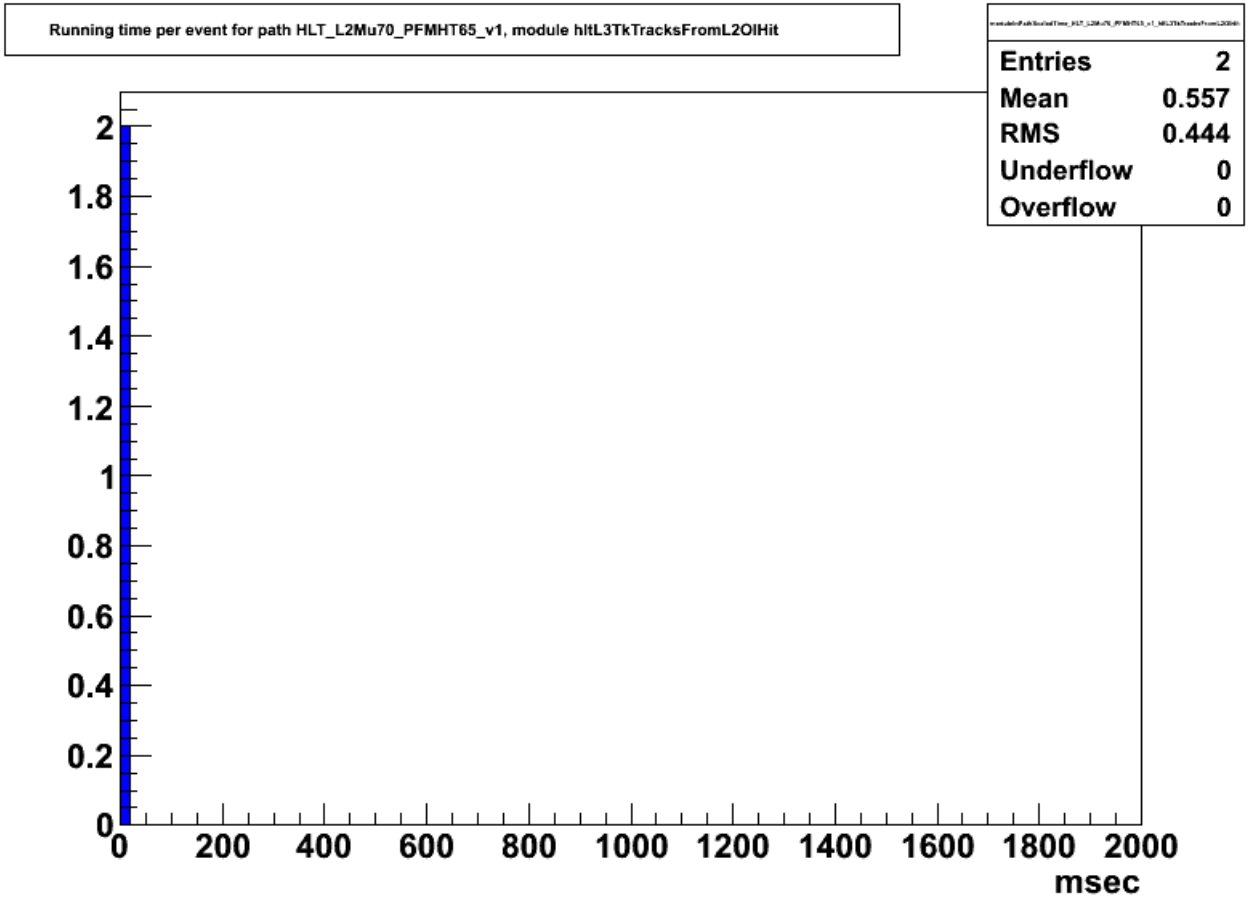
2.5.64 hltL3TrajSeedOIHit



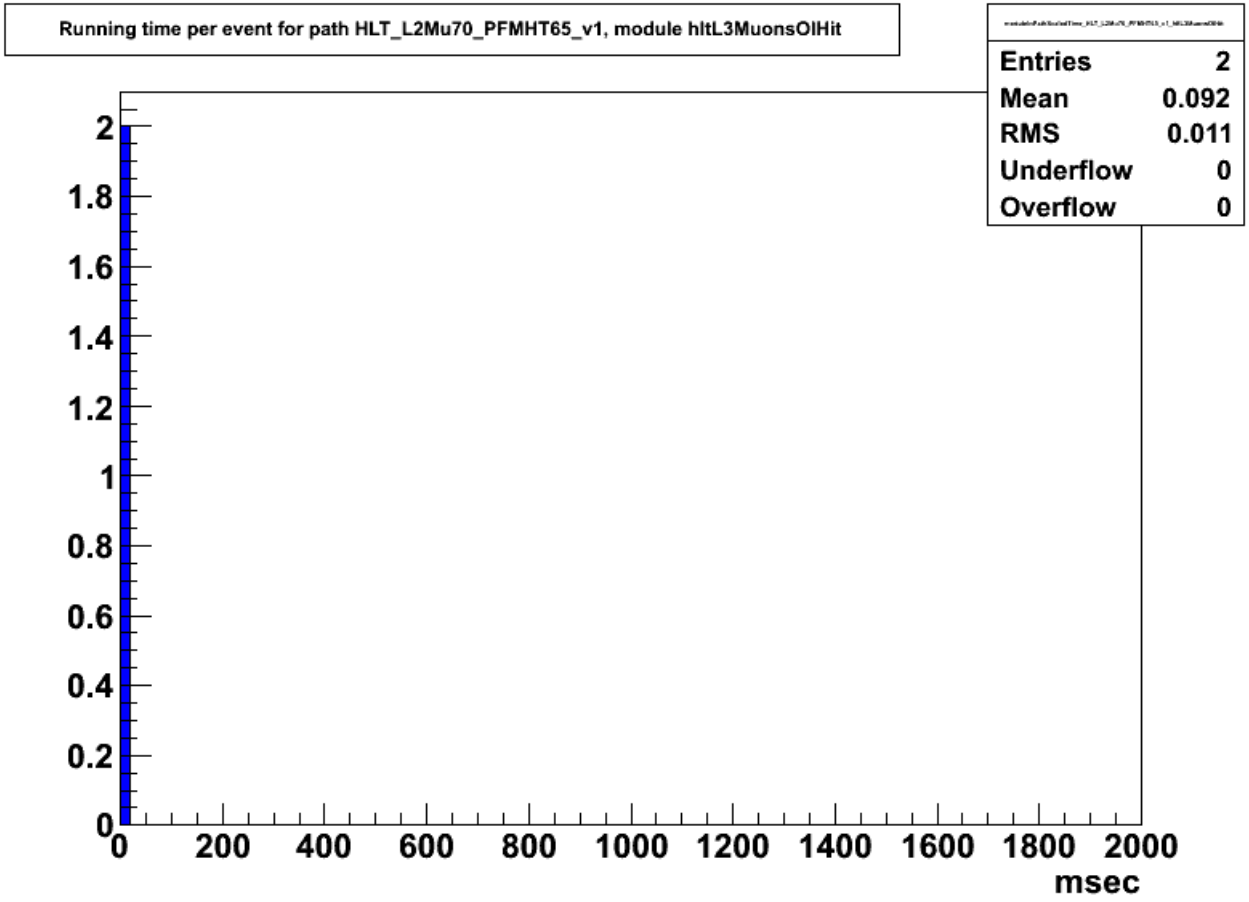
2.5.65 hltL3TrackCandidateFromL2OIHit



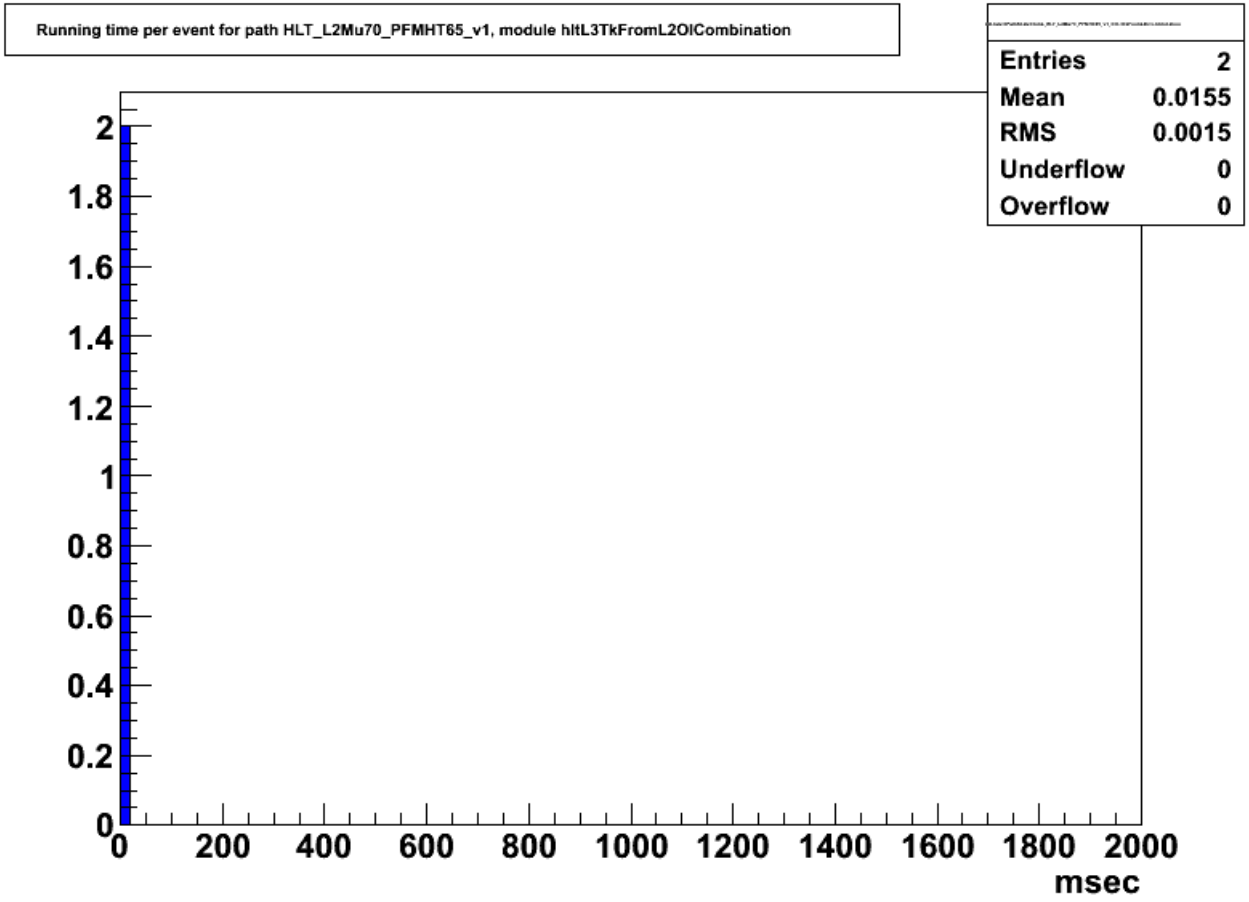
2.5.66 hltL3TkTracksFromL2OIHit



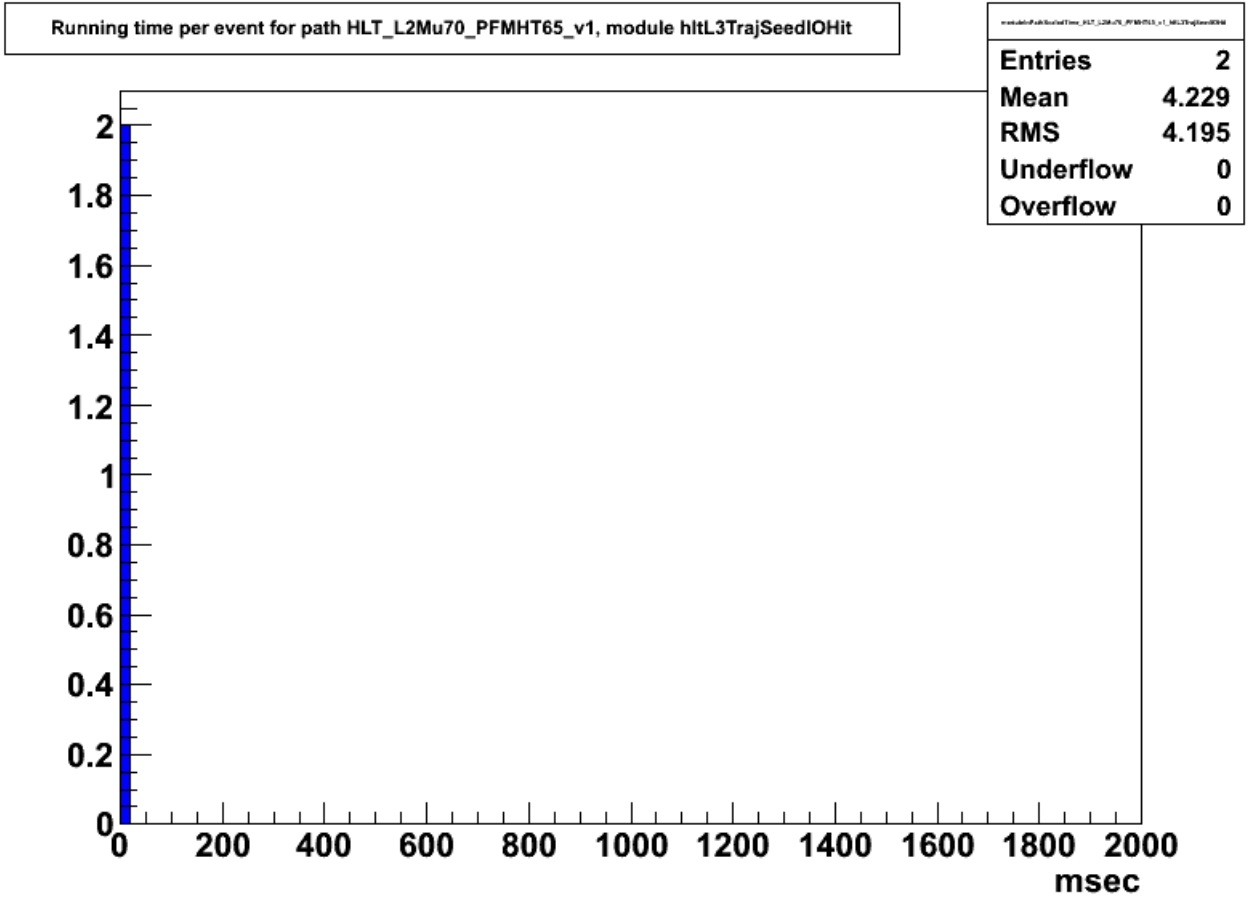
2.5.67 hltL3MuonsOIHit



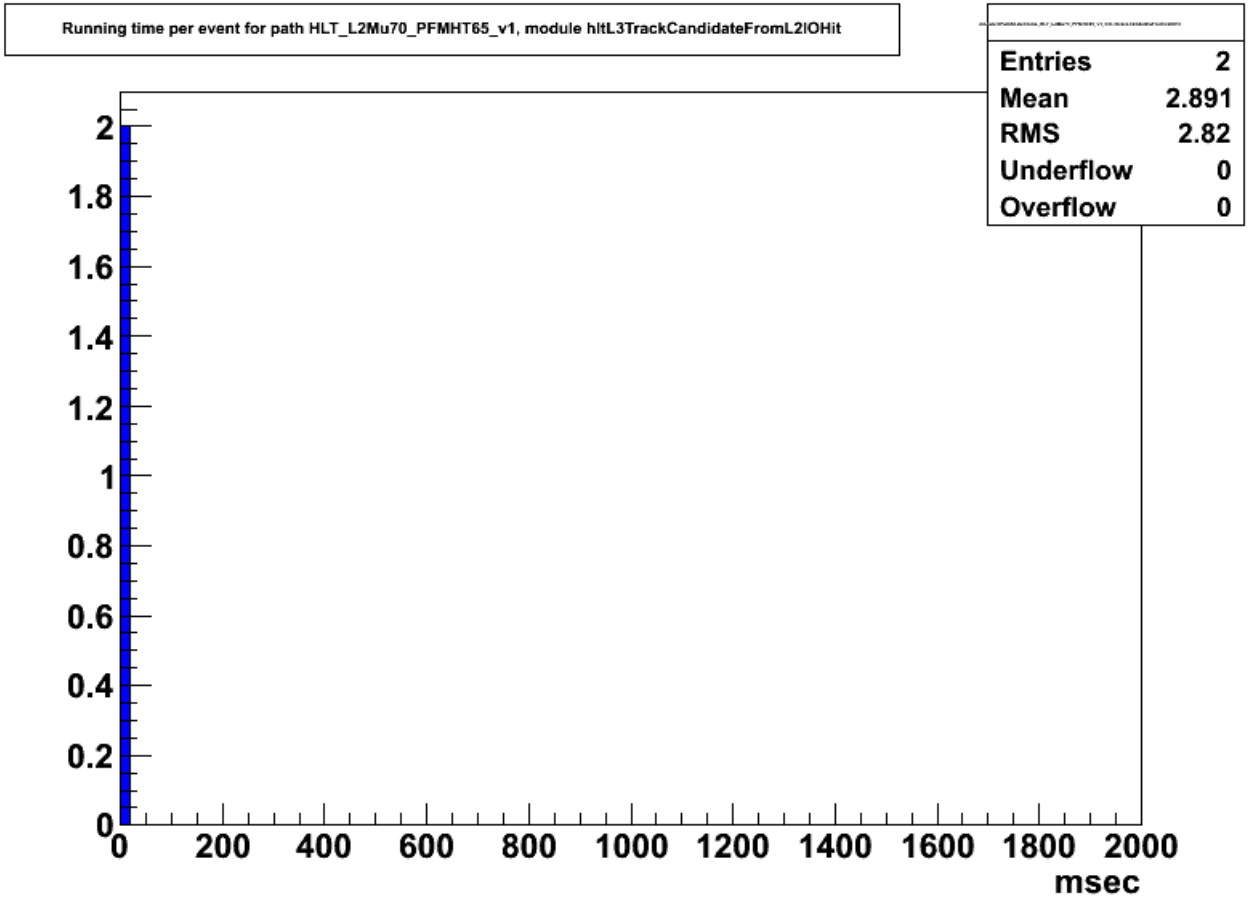
2.5.68 hltL3TkFromL2OICombination



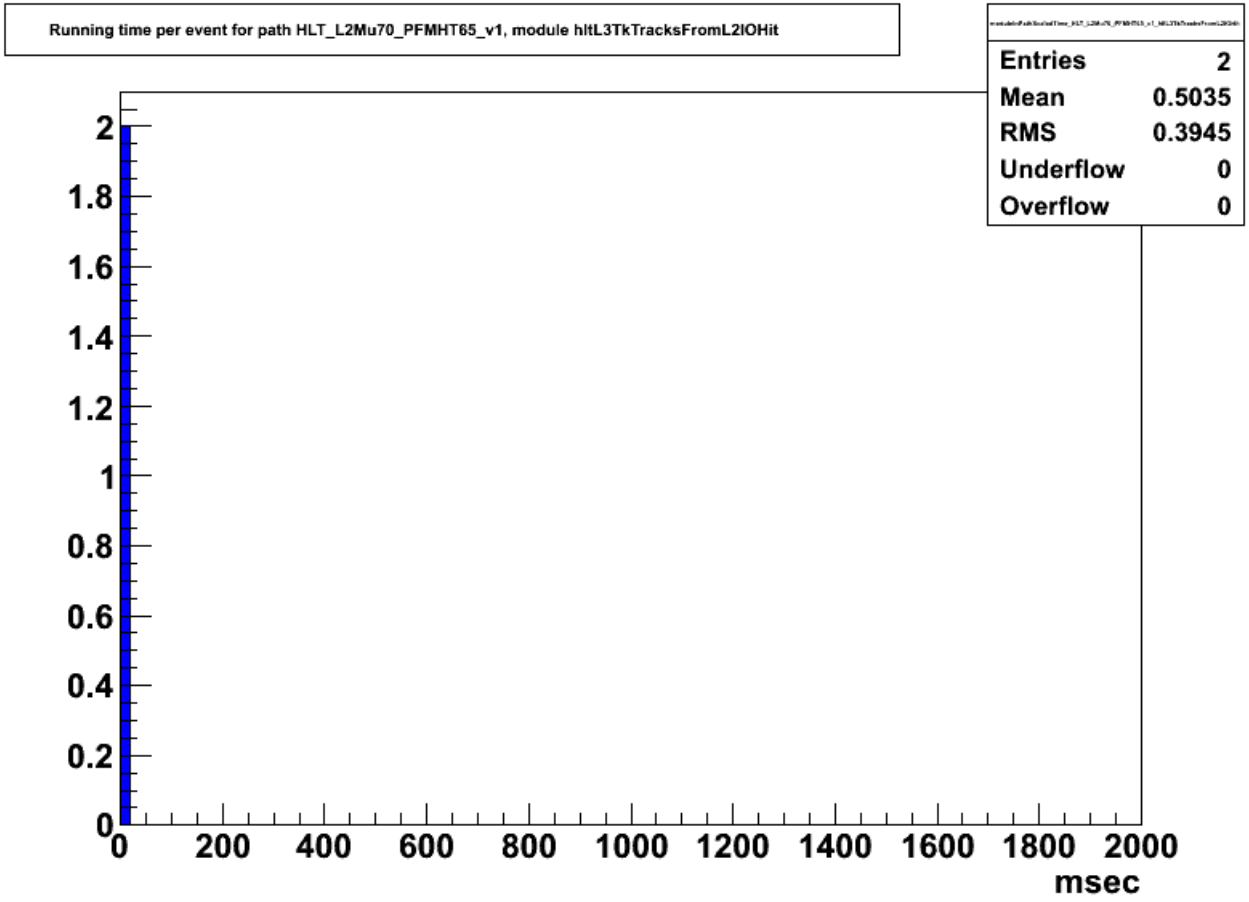
2.5.69 hltL3TrajSeedIOHit



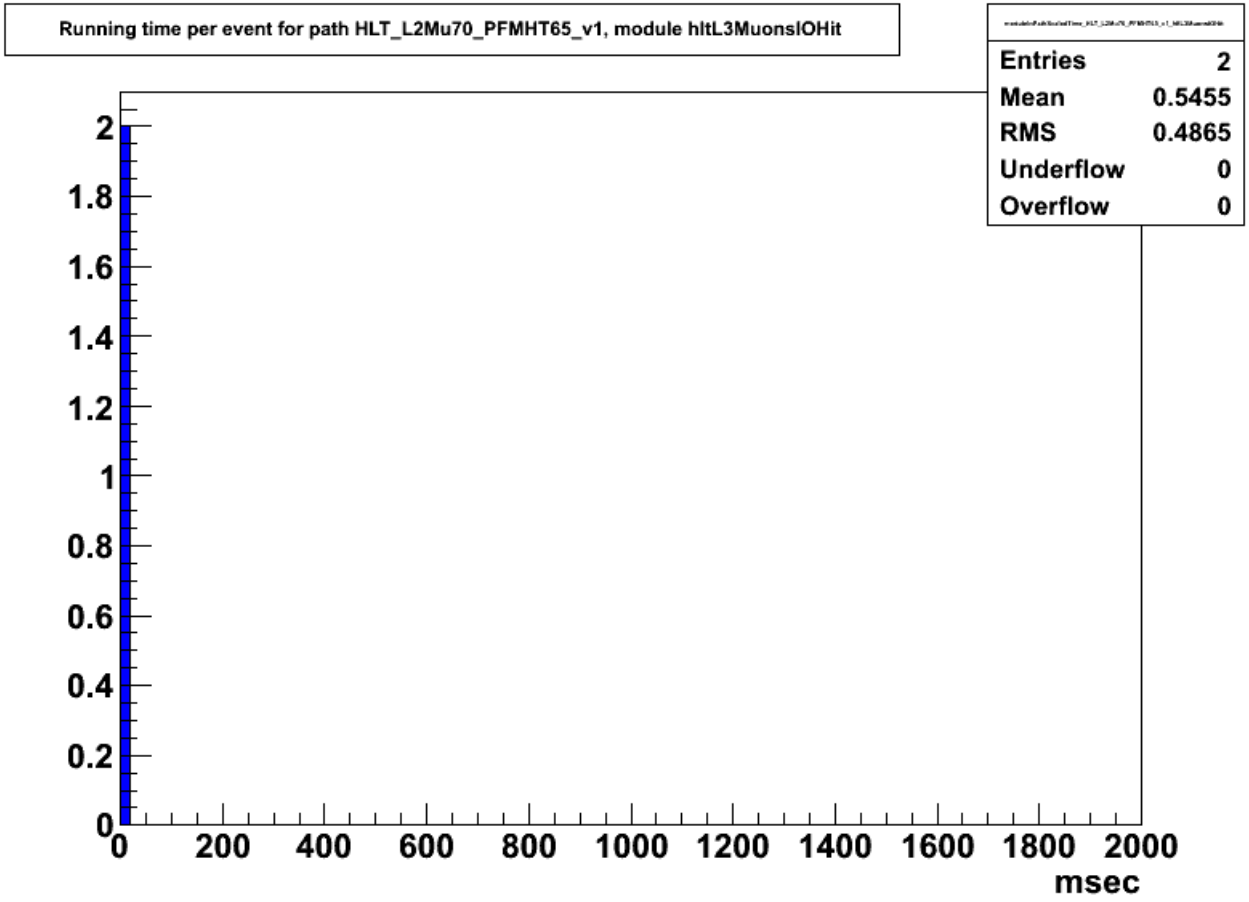
2.5.70 hltL3TrackCandidateFromL2IOHit



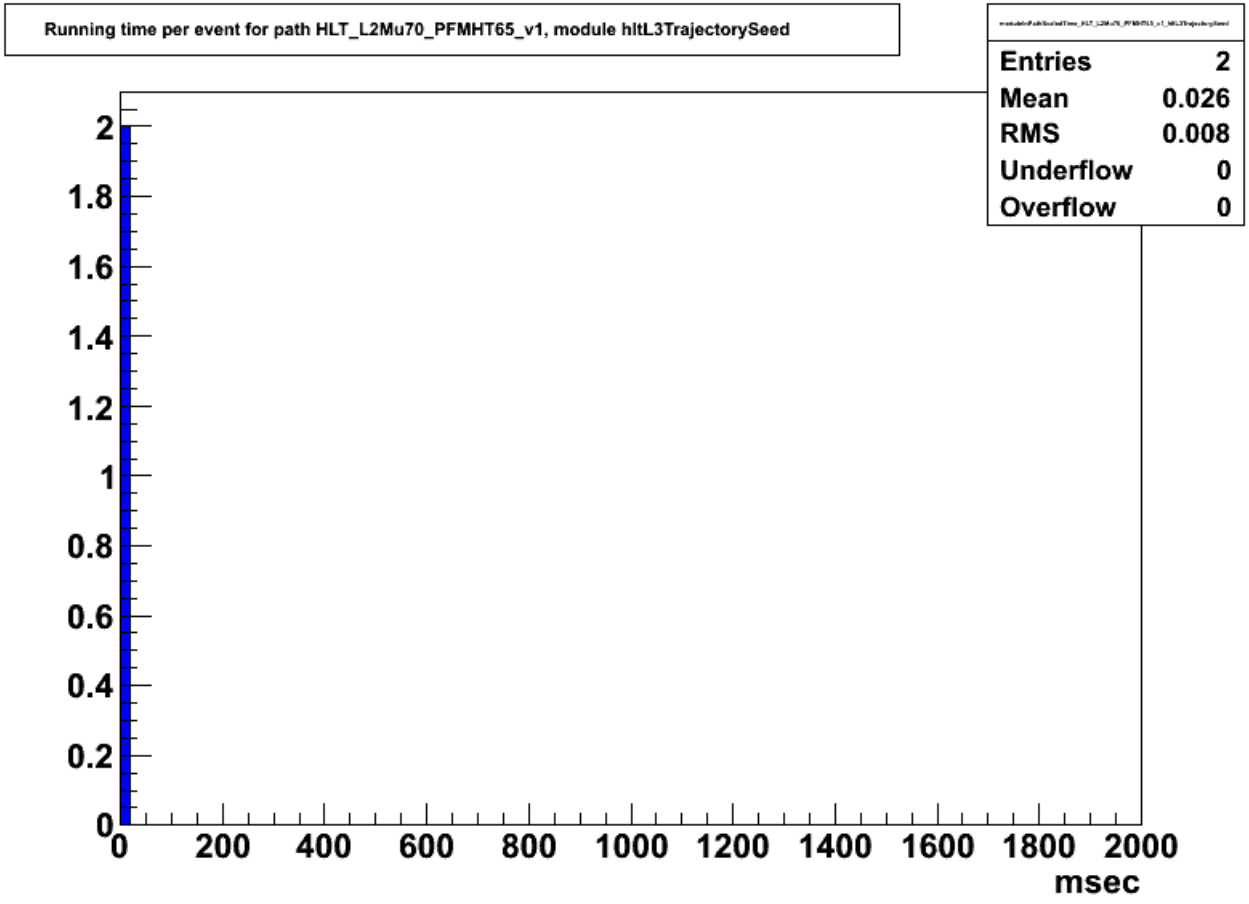
2.5.71 hltL3TkTracksFromL2IOHit



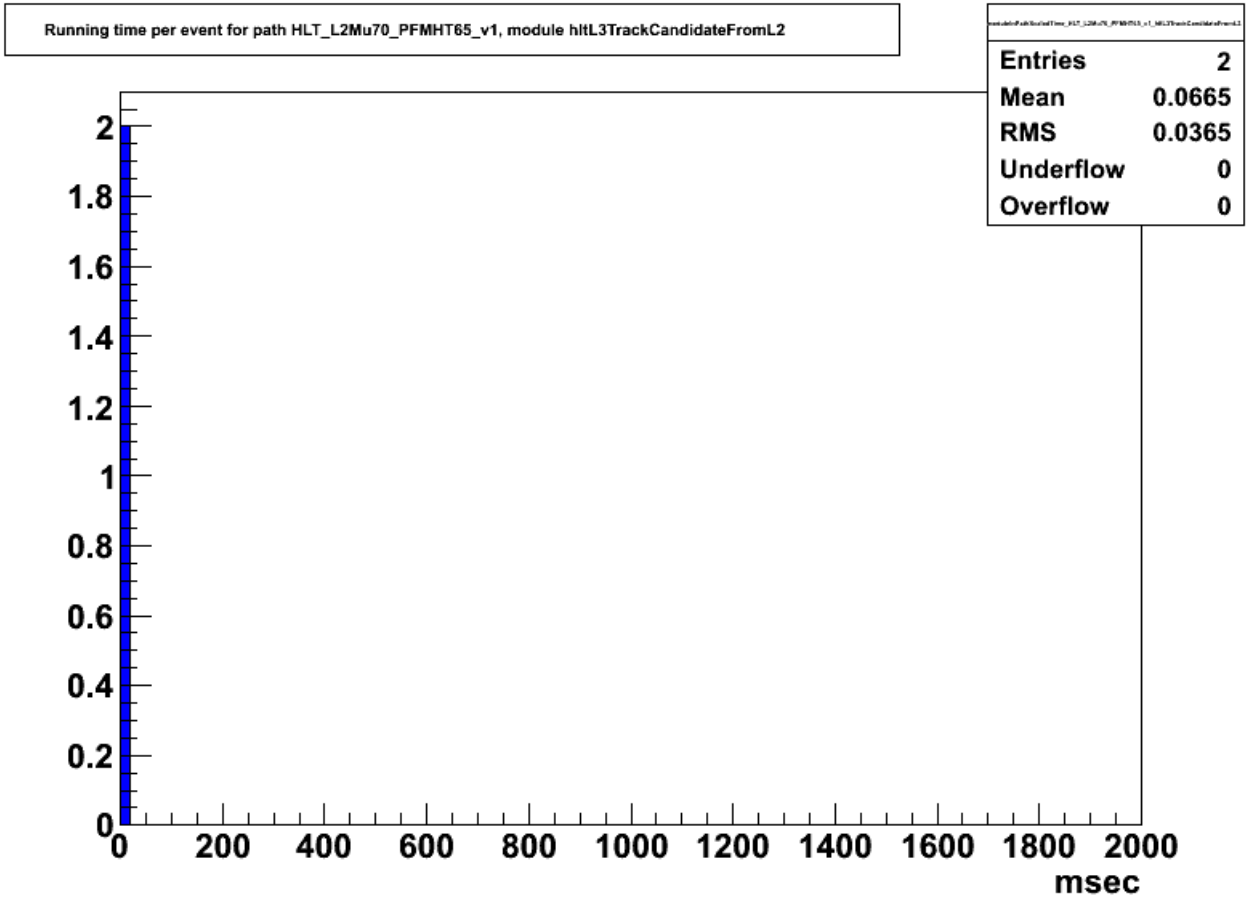
2.5.72 hltL3MuonsIOHit



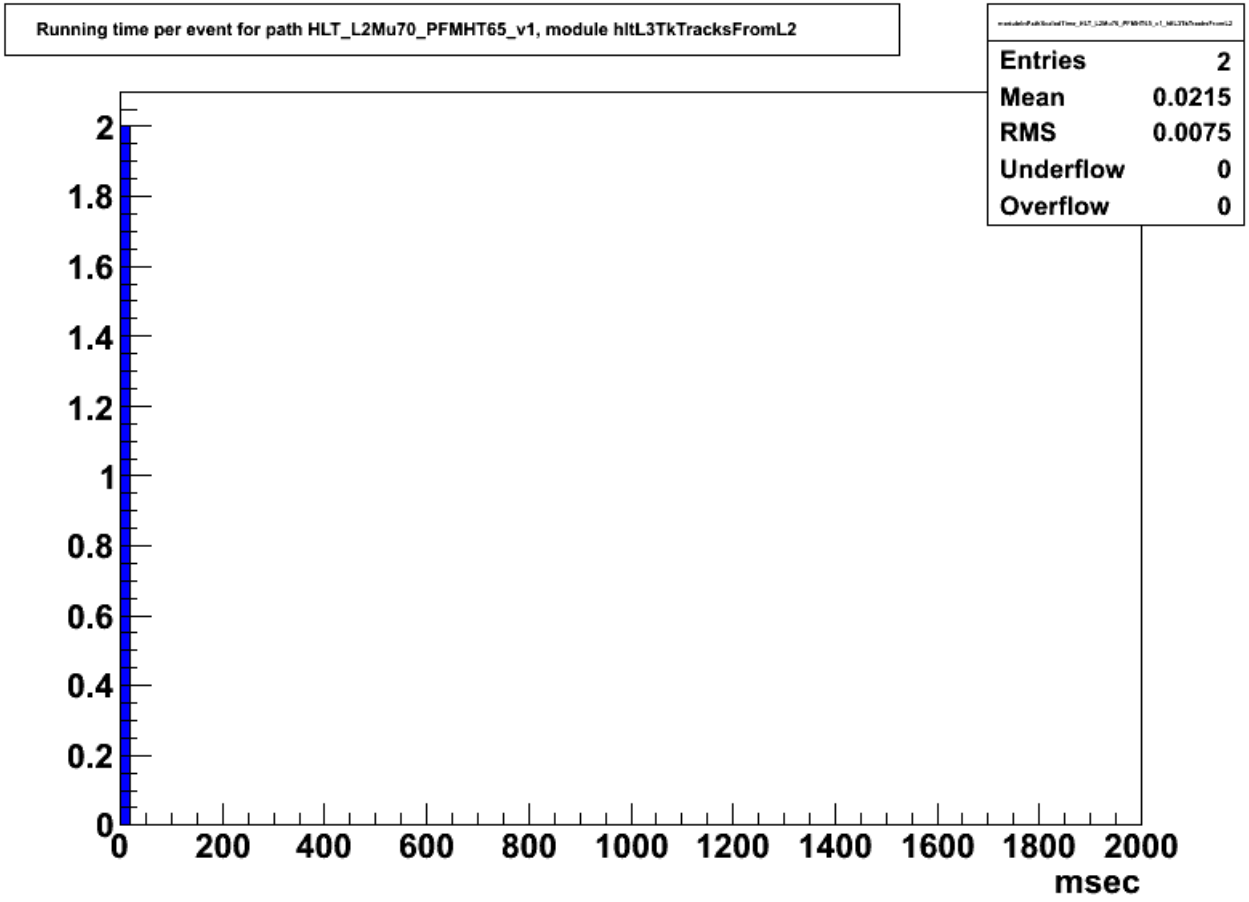
2.5.73 hltL3TrajectorySeed



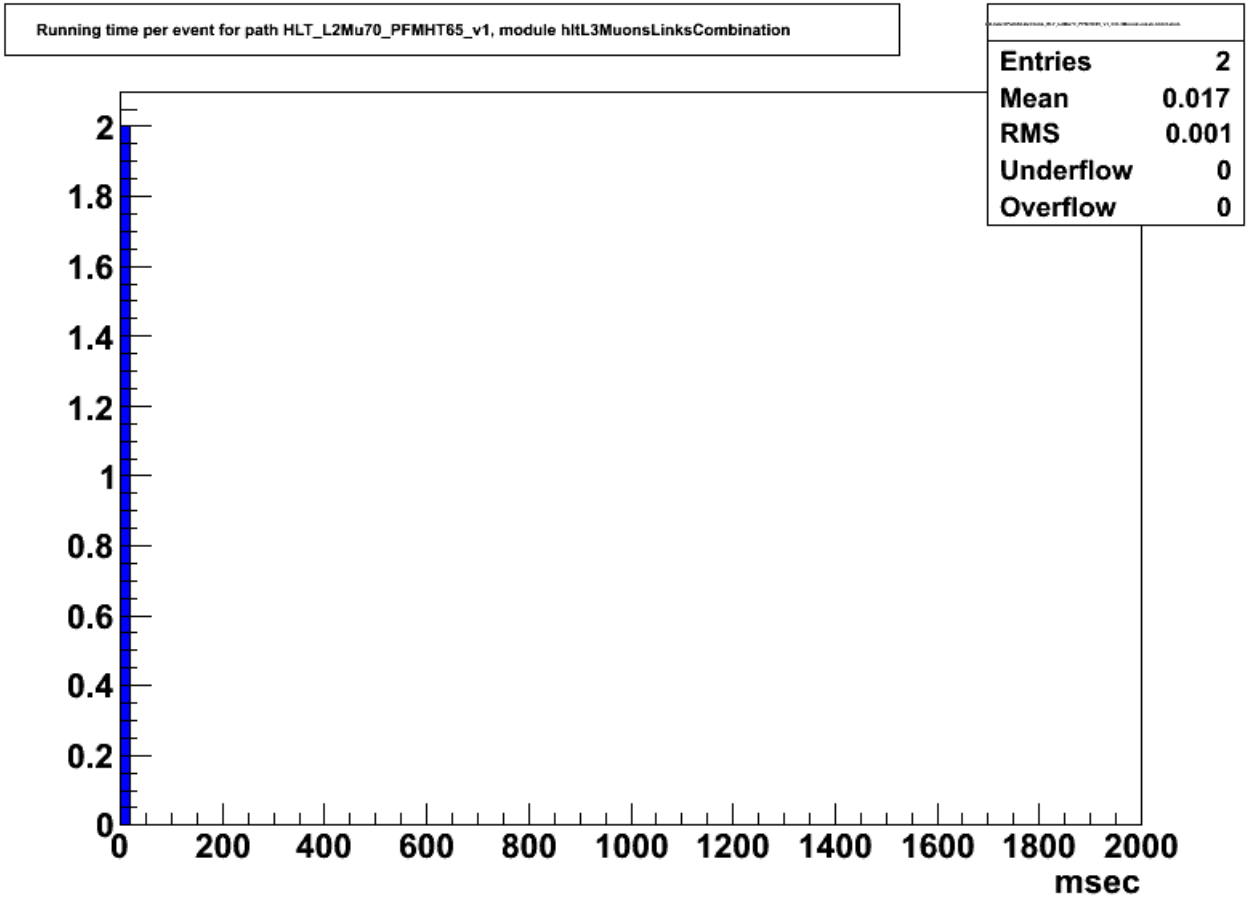
2.5.74 hltL3TrackCandidateFromL2



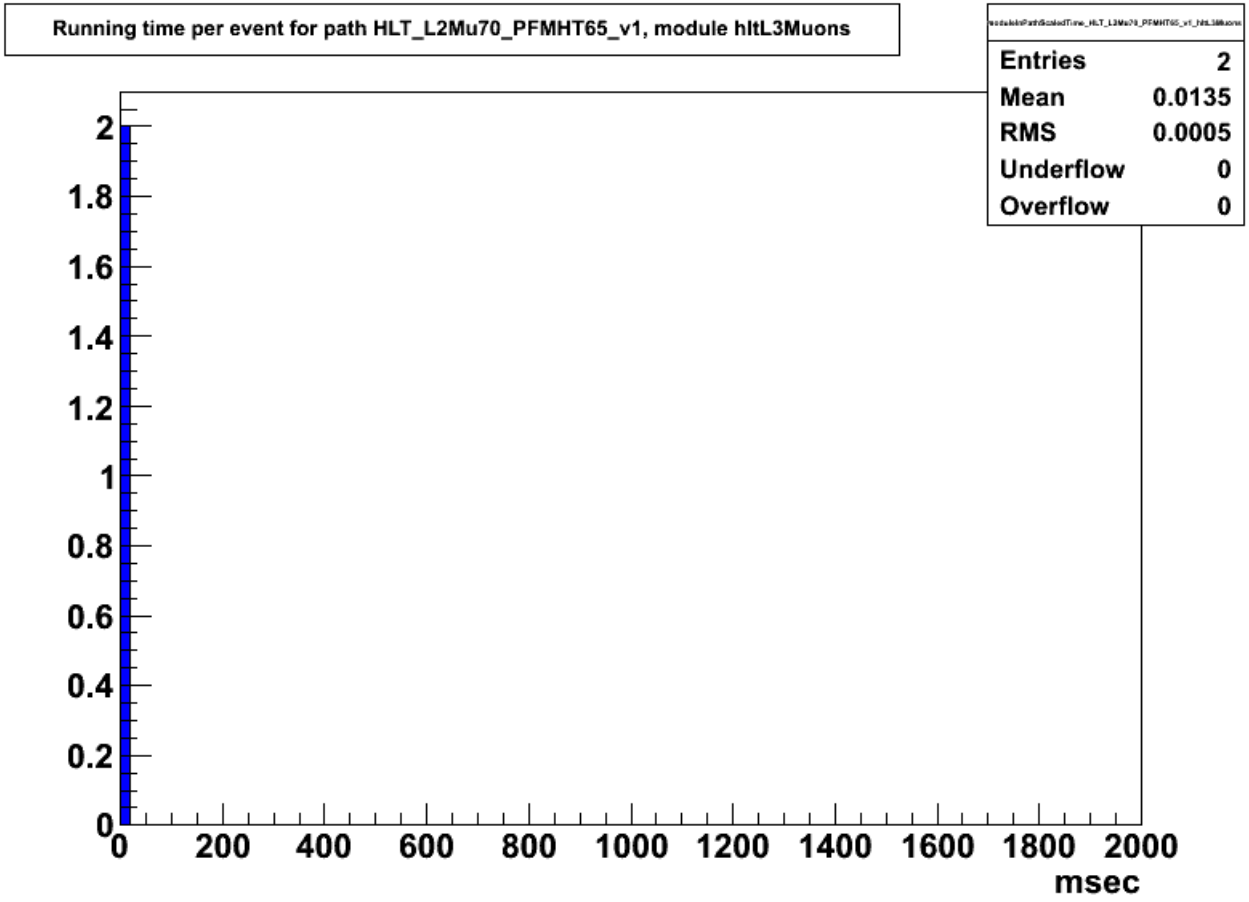
2.5.75 hltL3TkTracksFromL2



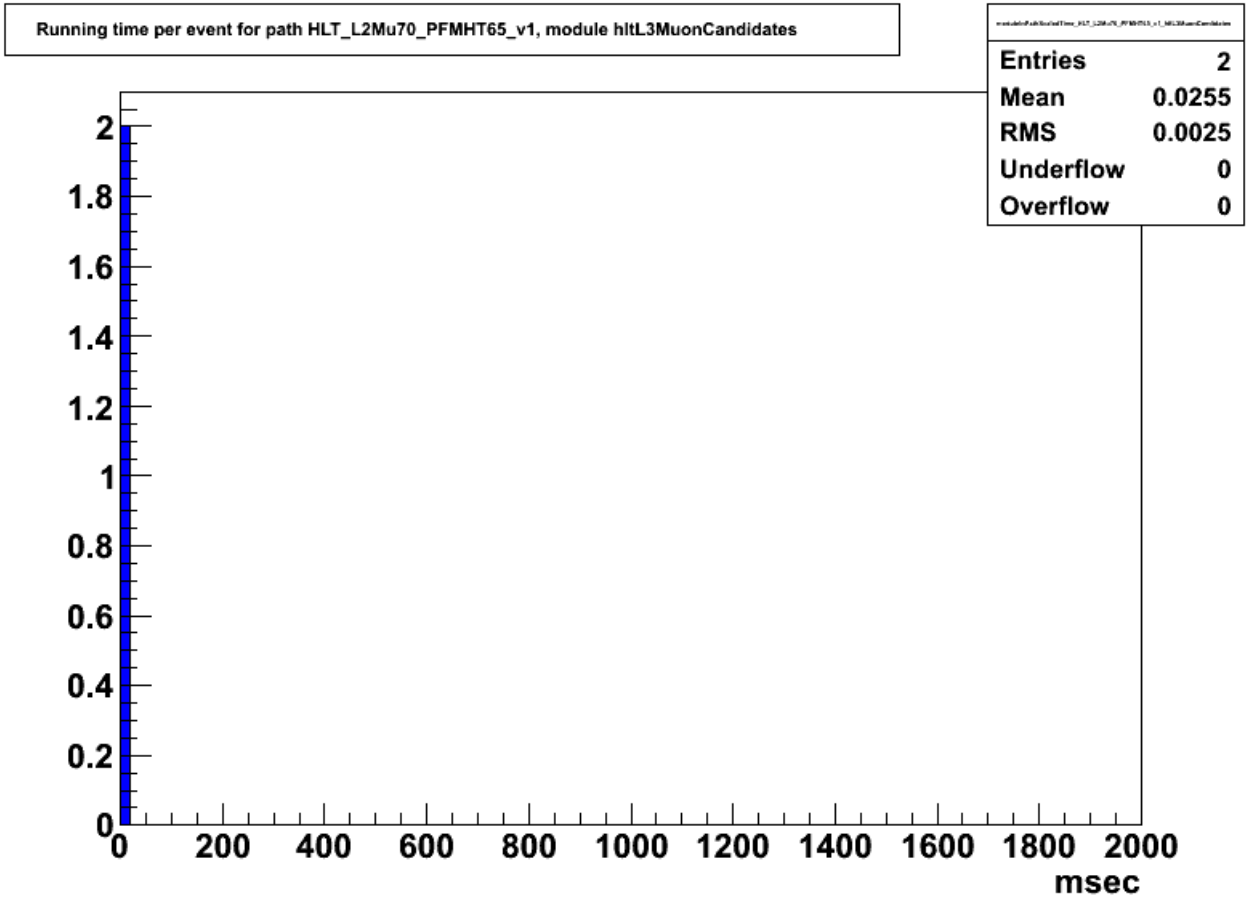
2.5.76 hltL3MuonsLinksCombination



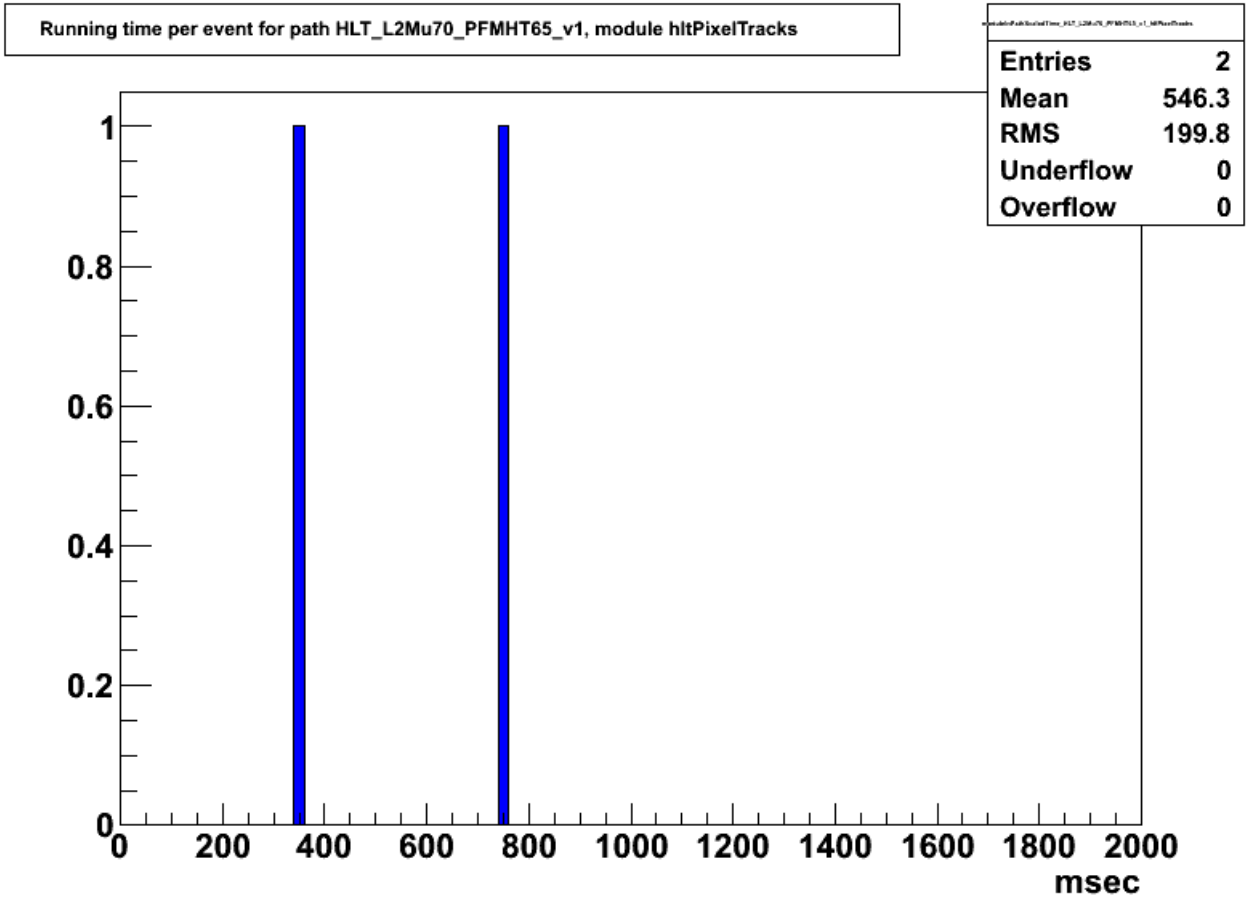
2.5.77 hltL3Muons



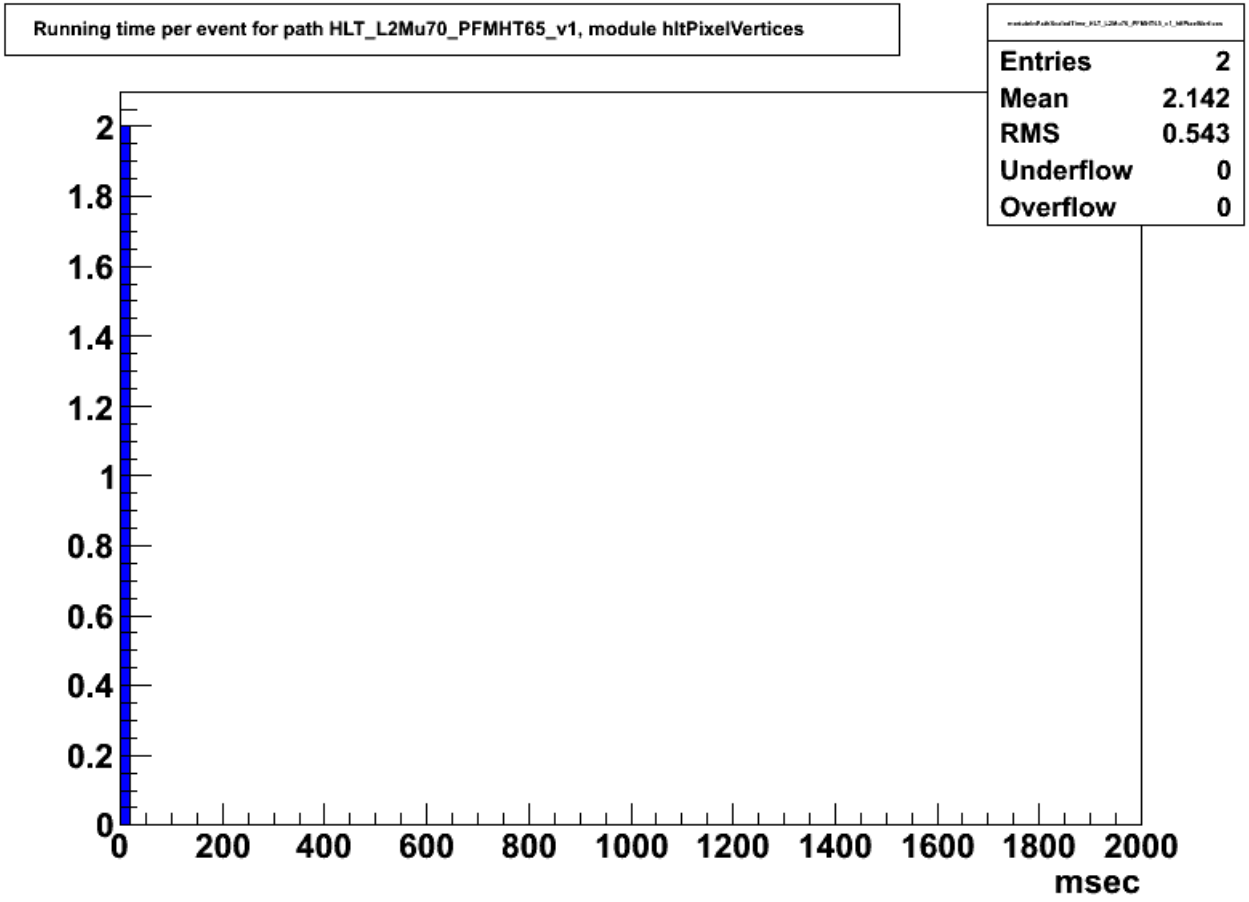
2.5.78 hltL3MuonCandidates



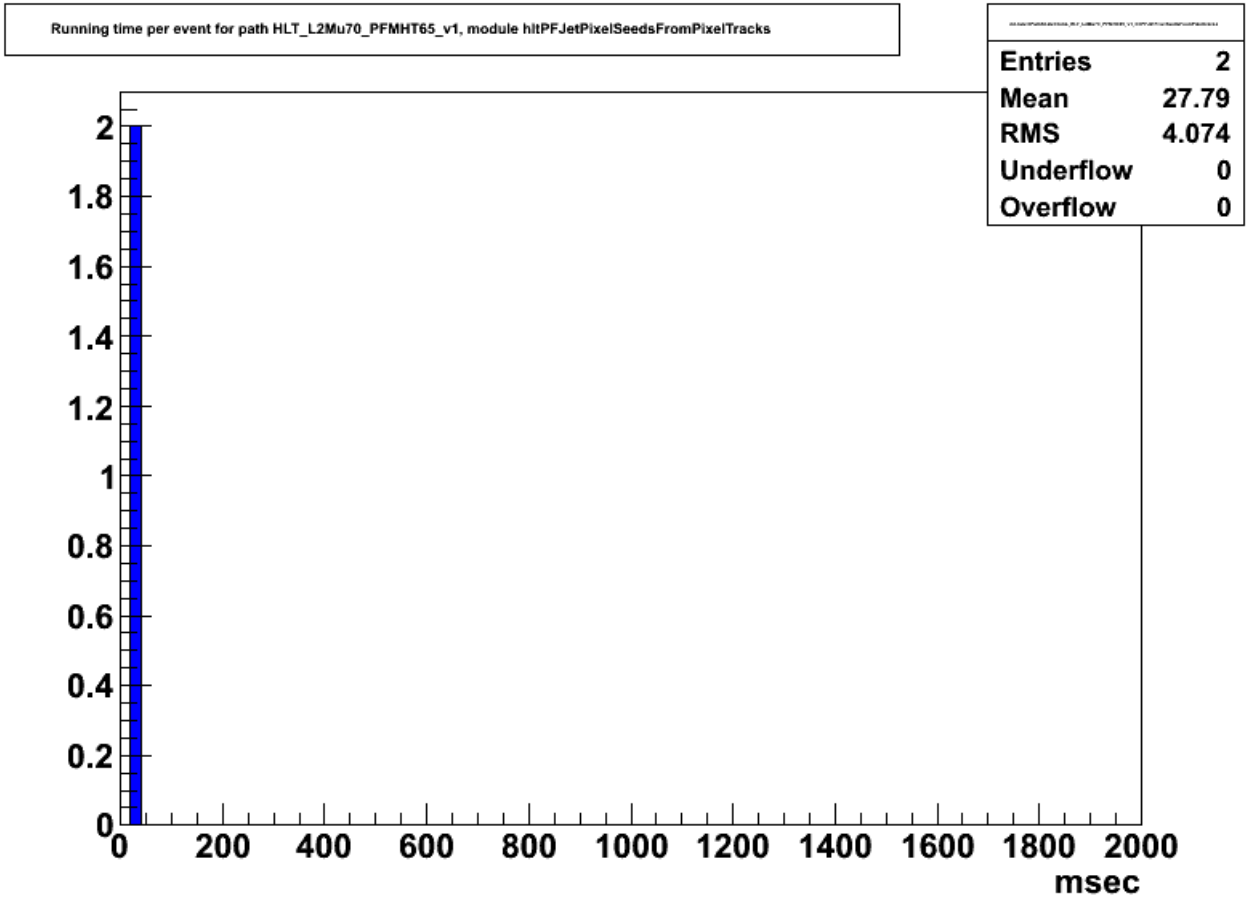
2.5.79 hltPixelTracks



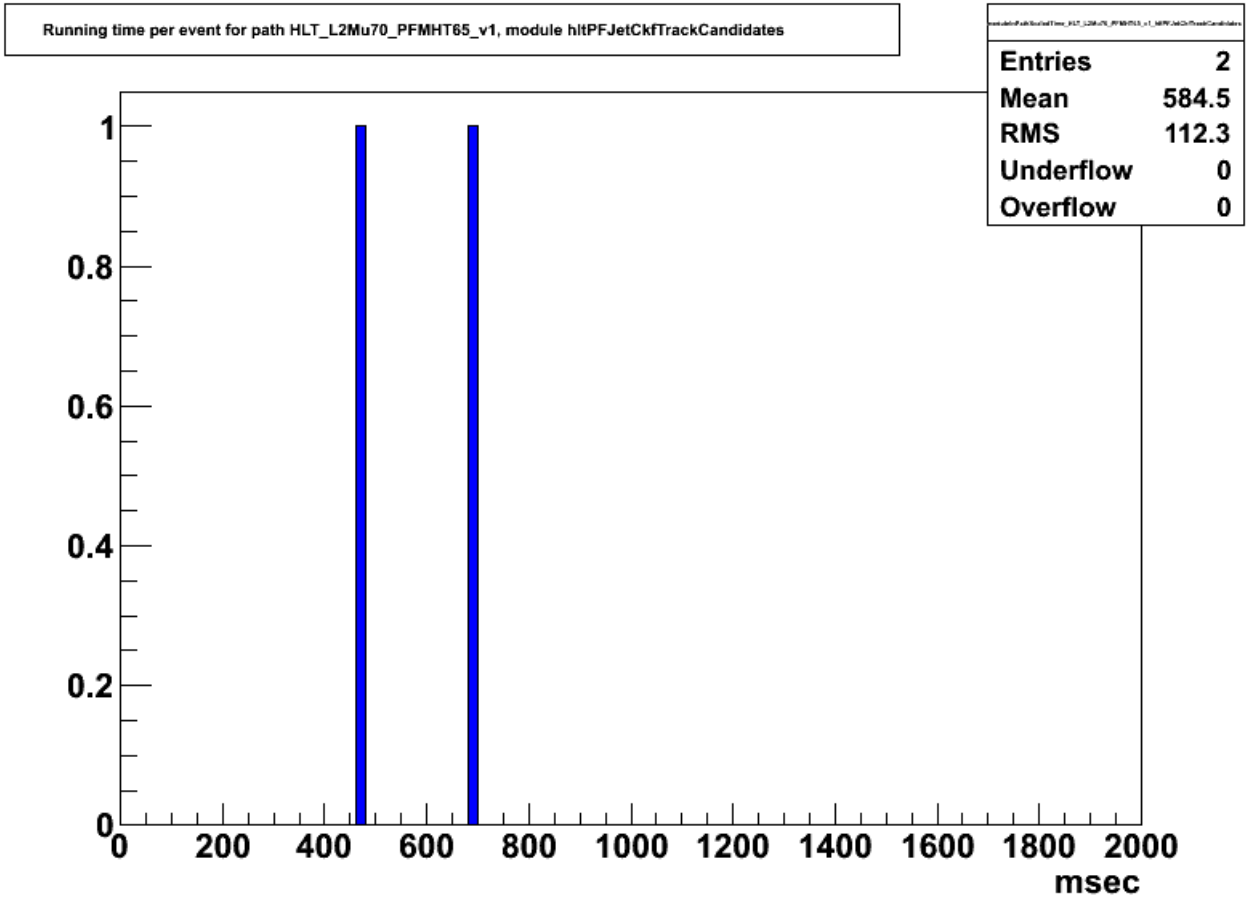
2.5.80 hltPixelVertices



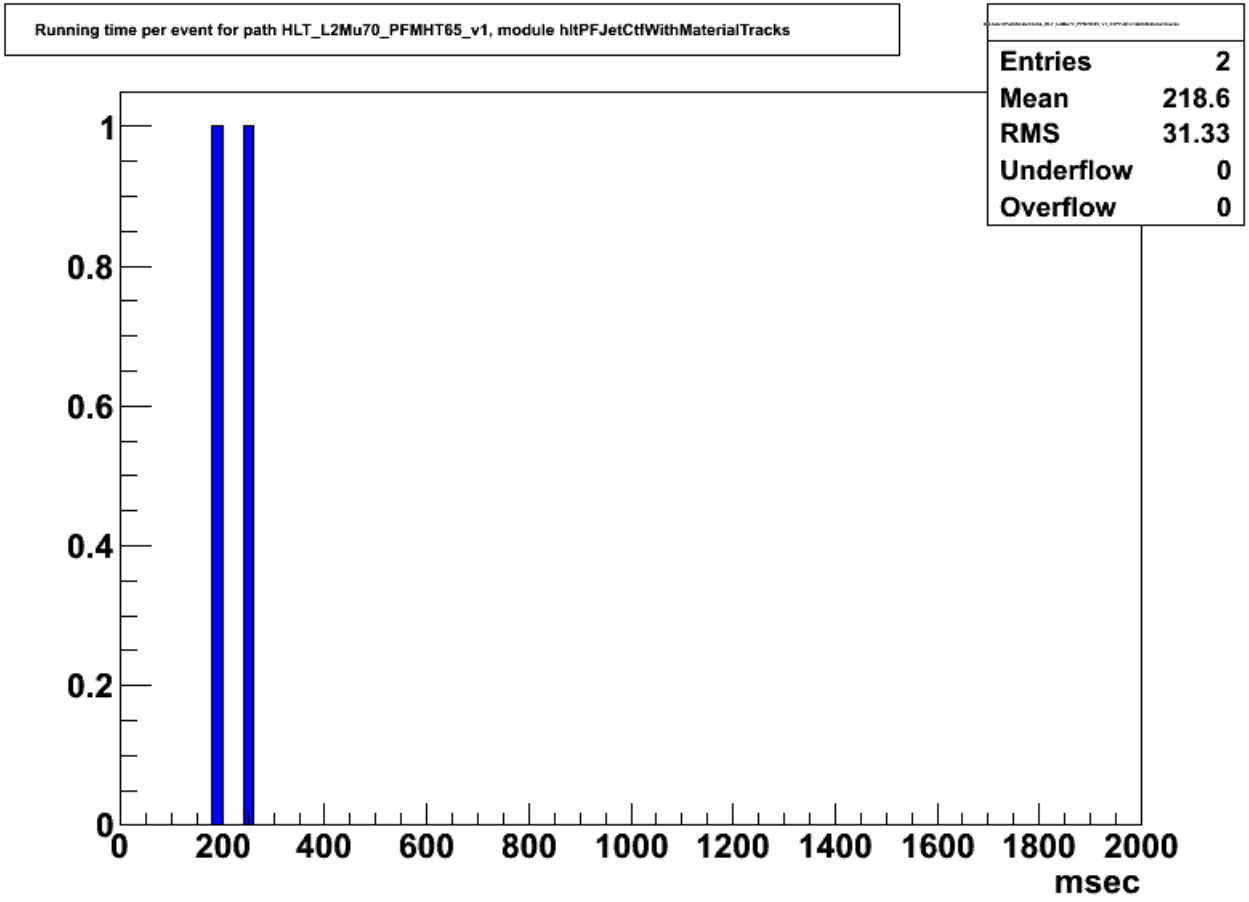
2.5.81 hltPFJetPixelSeedsFromPixelTracks



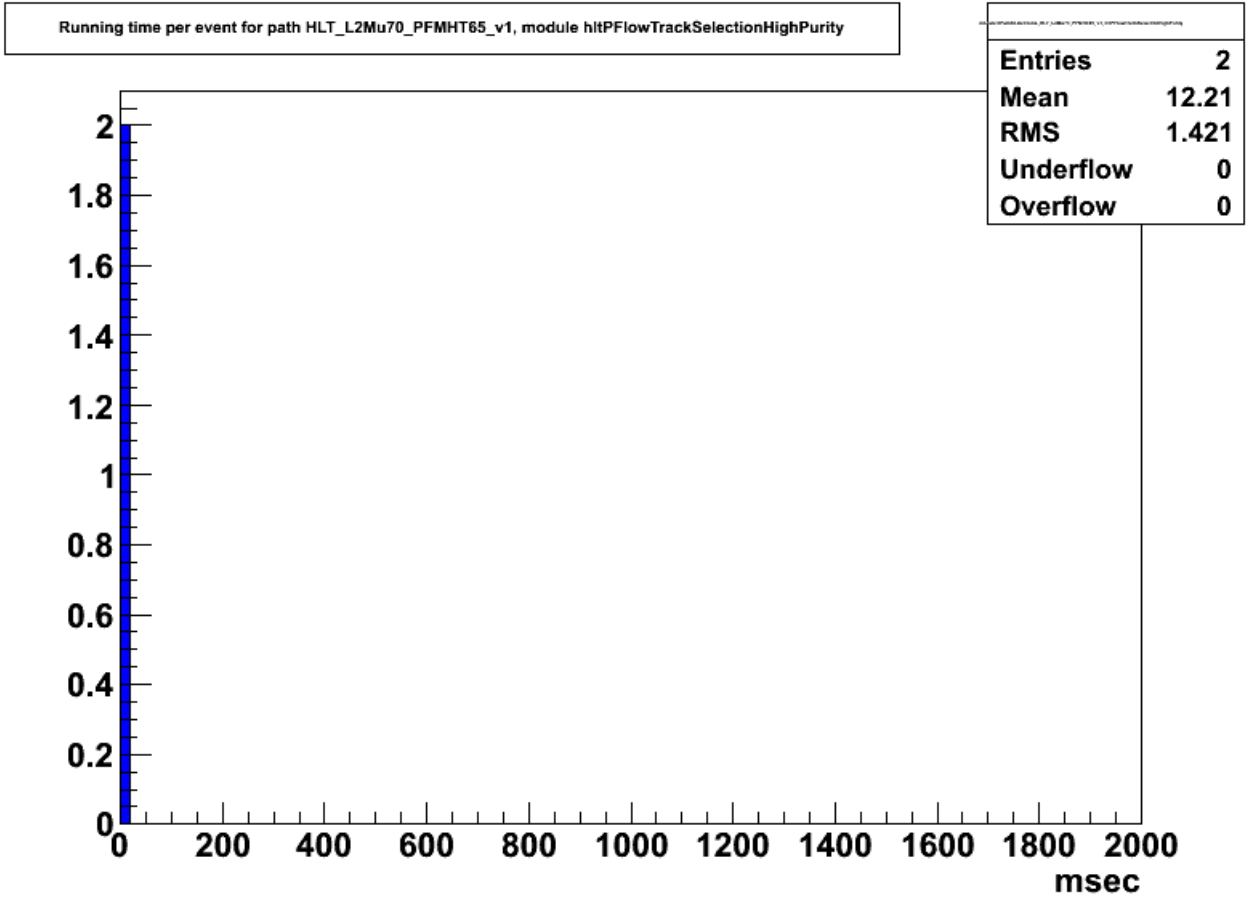
2.5.82 hltPFJetCkfTrackCandidates



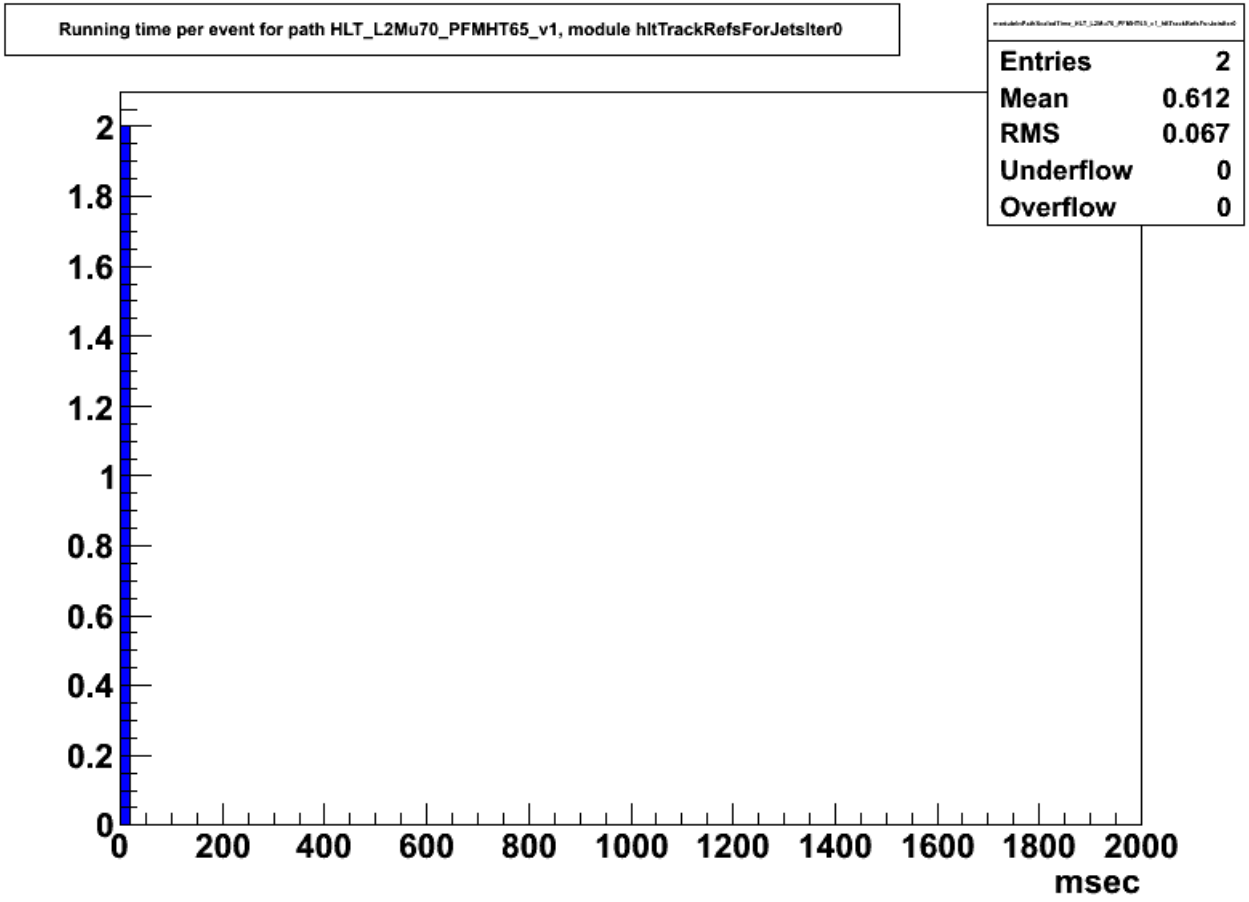
2.5.83 hltPFJetCtfWithMaterialTracks



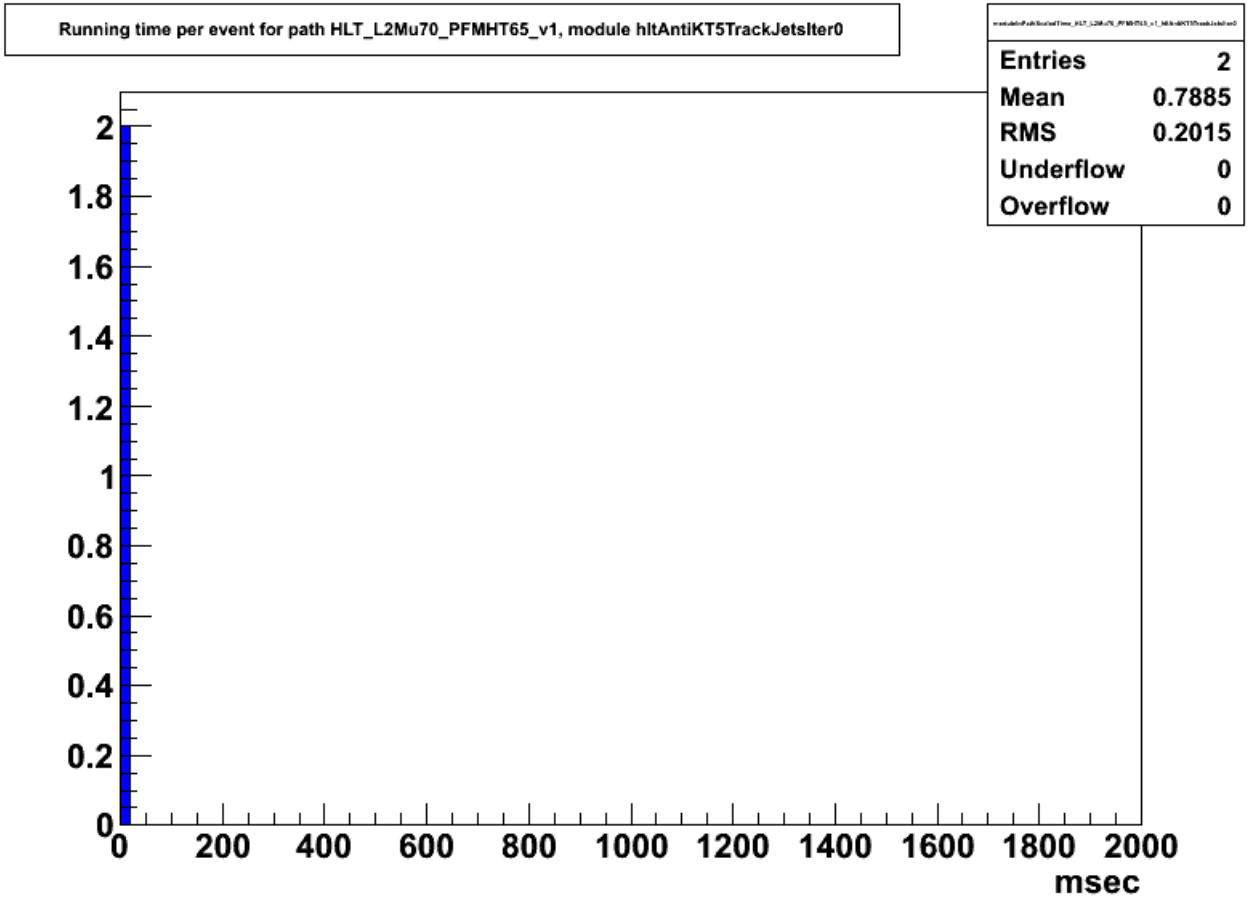
2.5.84 hltPFlowTrackSelectionHighPurity



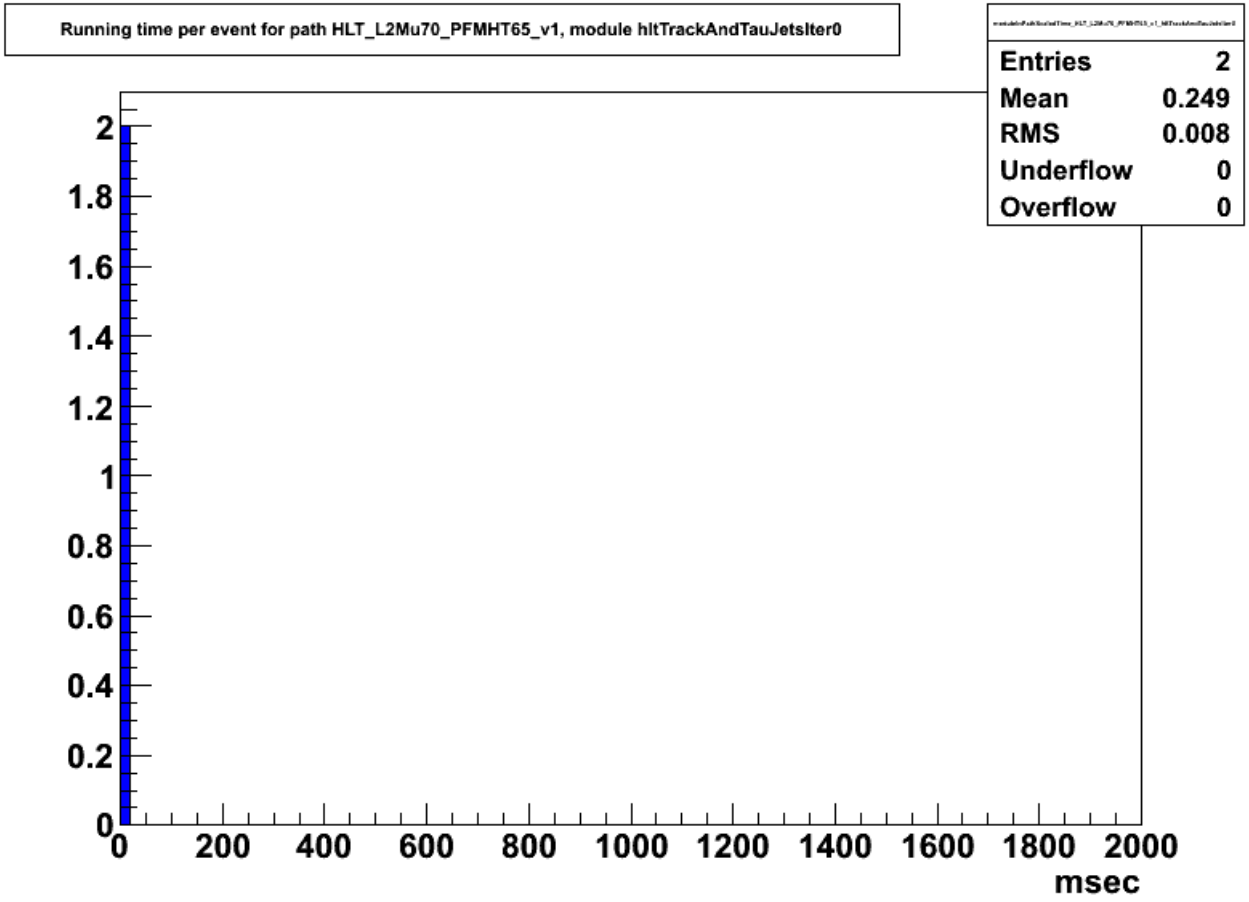
2.5.85 hltTrackRefsForJetsIter0



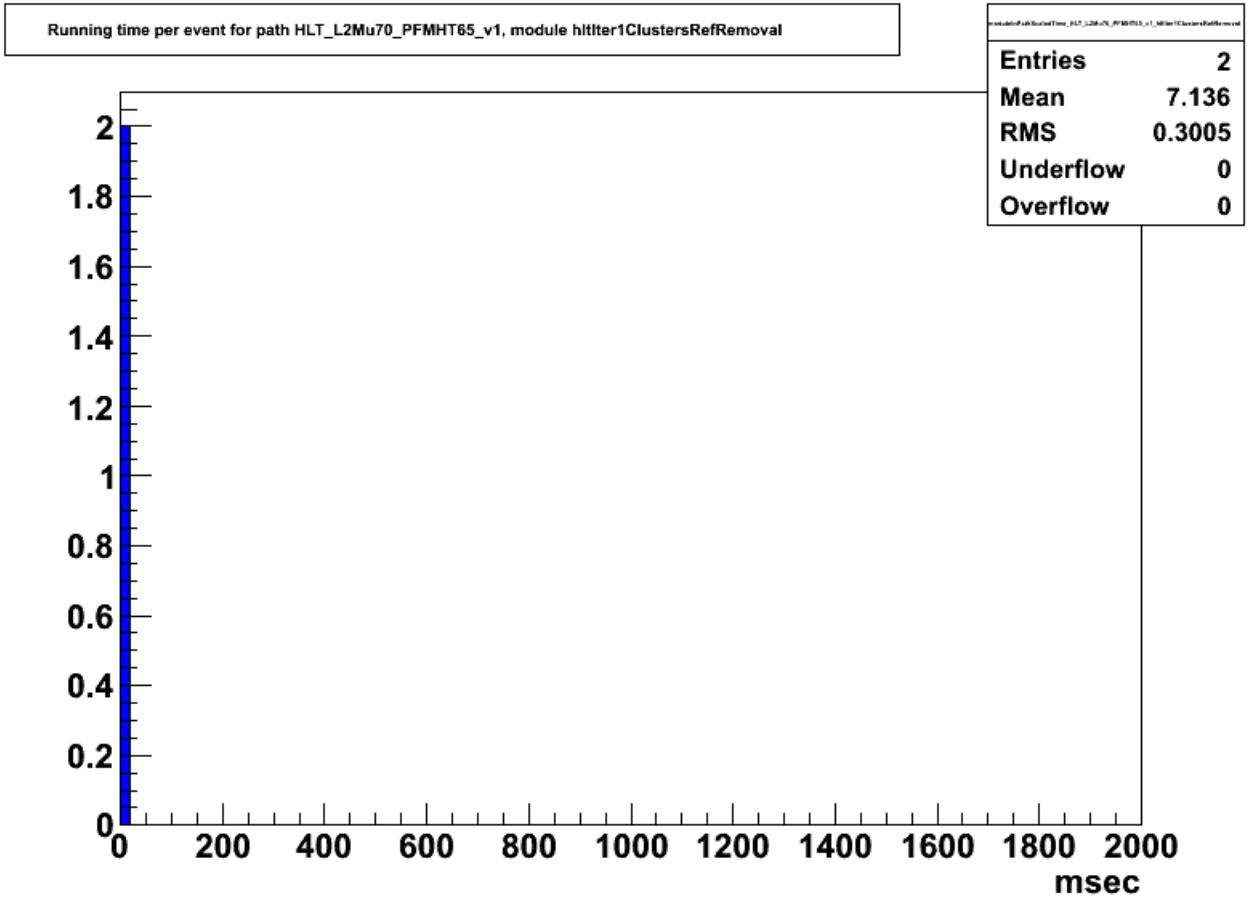
2.5.86 hltAntiKT5TrackJetsIter0



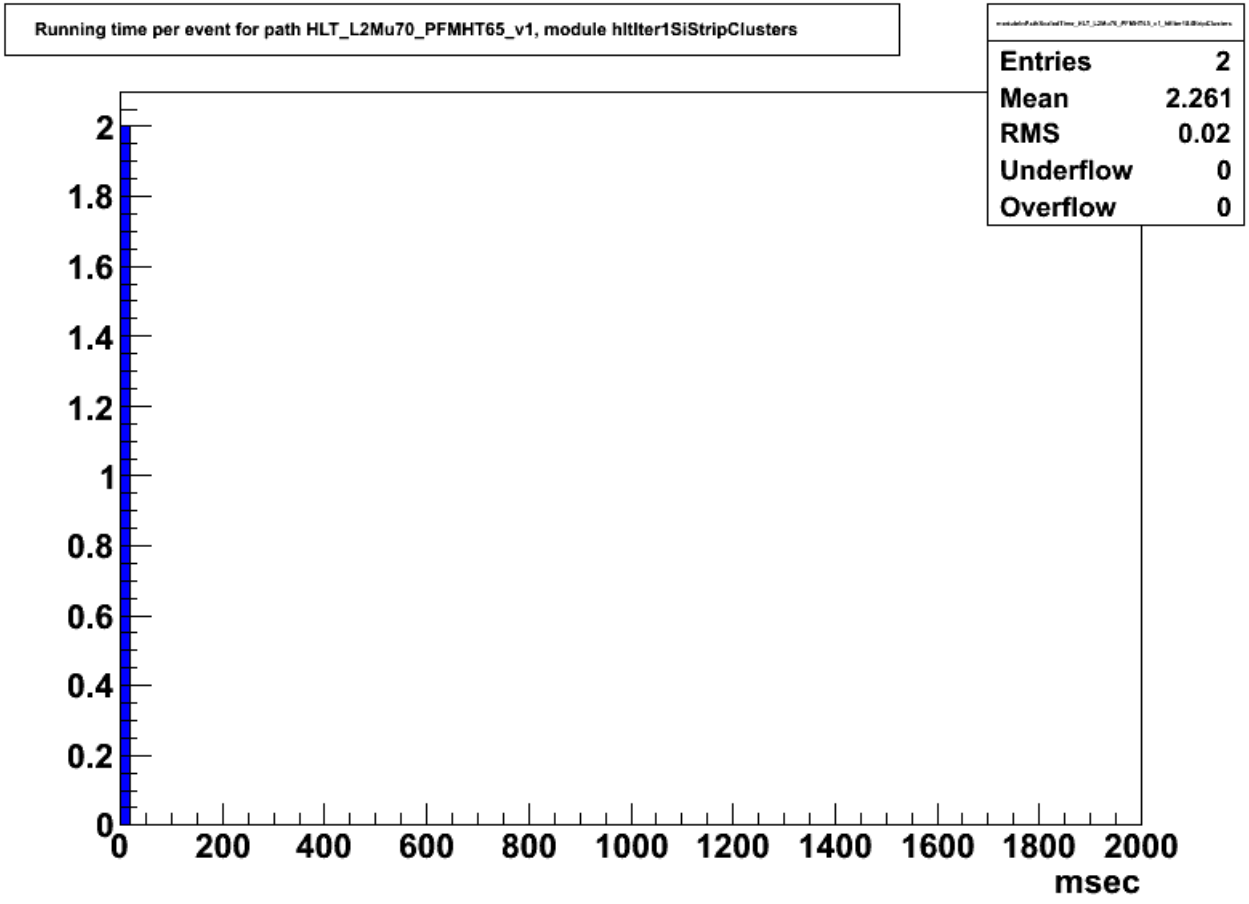
2.5.87 hltTrackAndTauJetsIter0



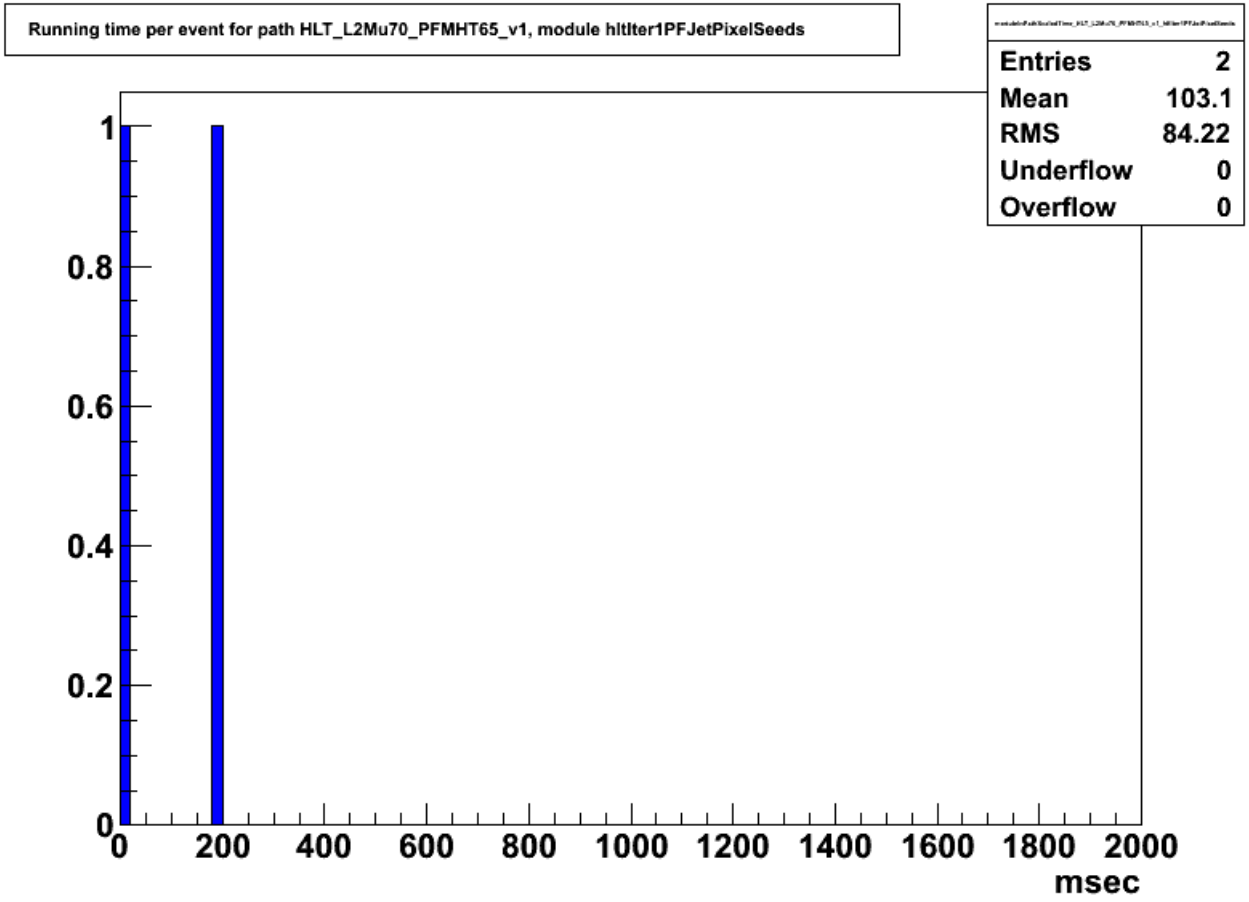
2.5.88 hltIter1ClustersRefRemoval



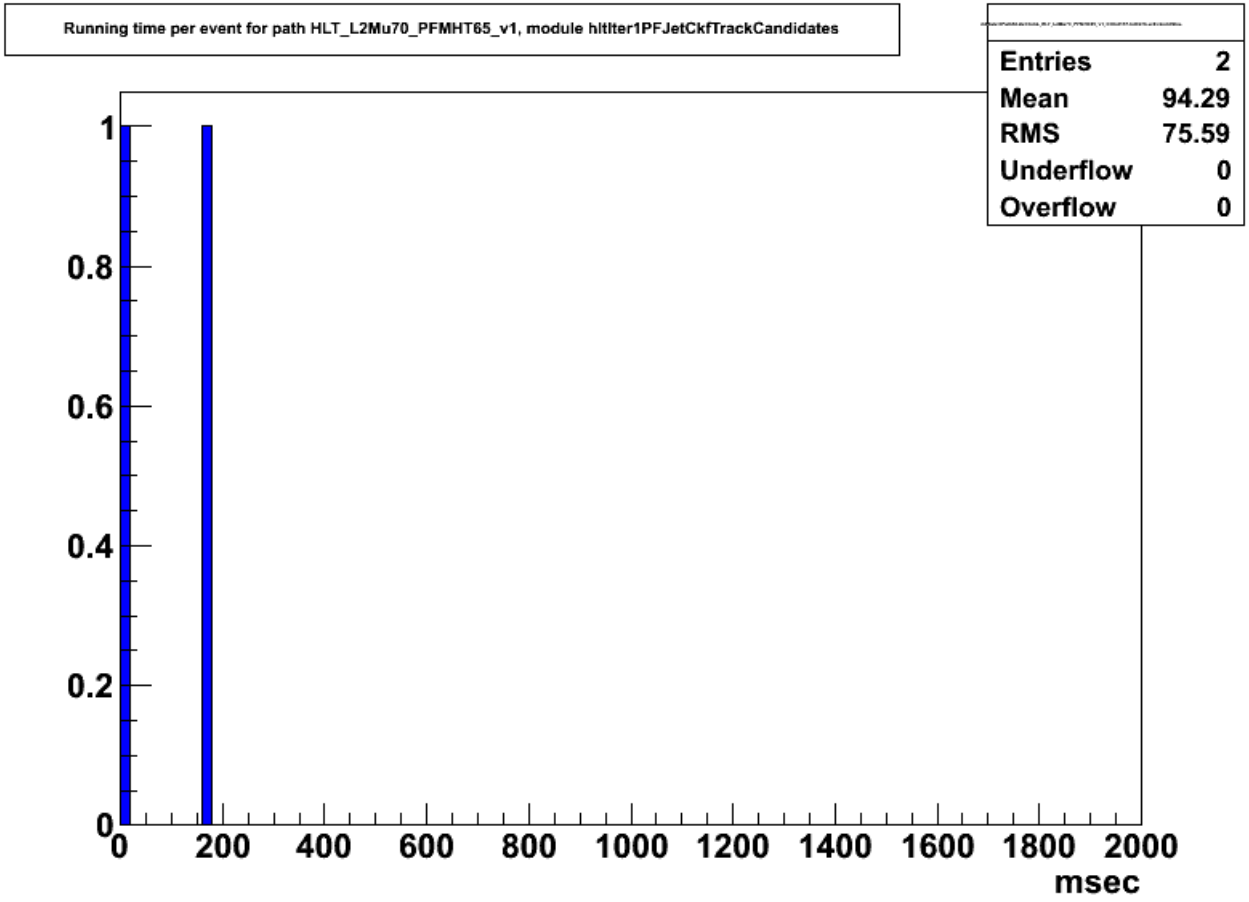
2.5.89 hltIter1SiStripClusters



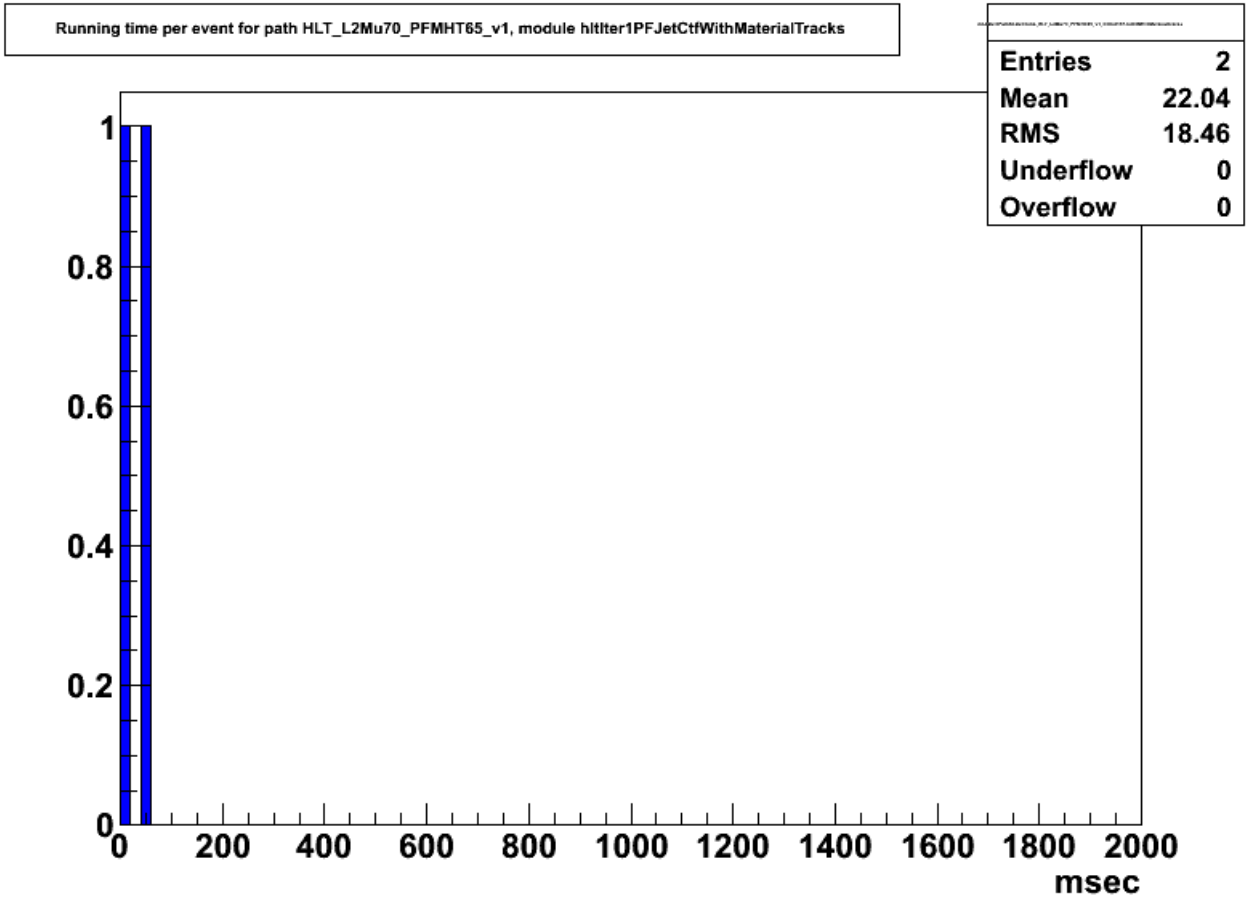
2.5.90 hltIter1PFJetPixelSeeds



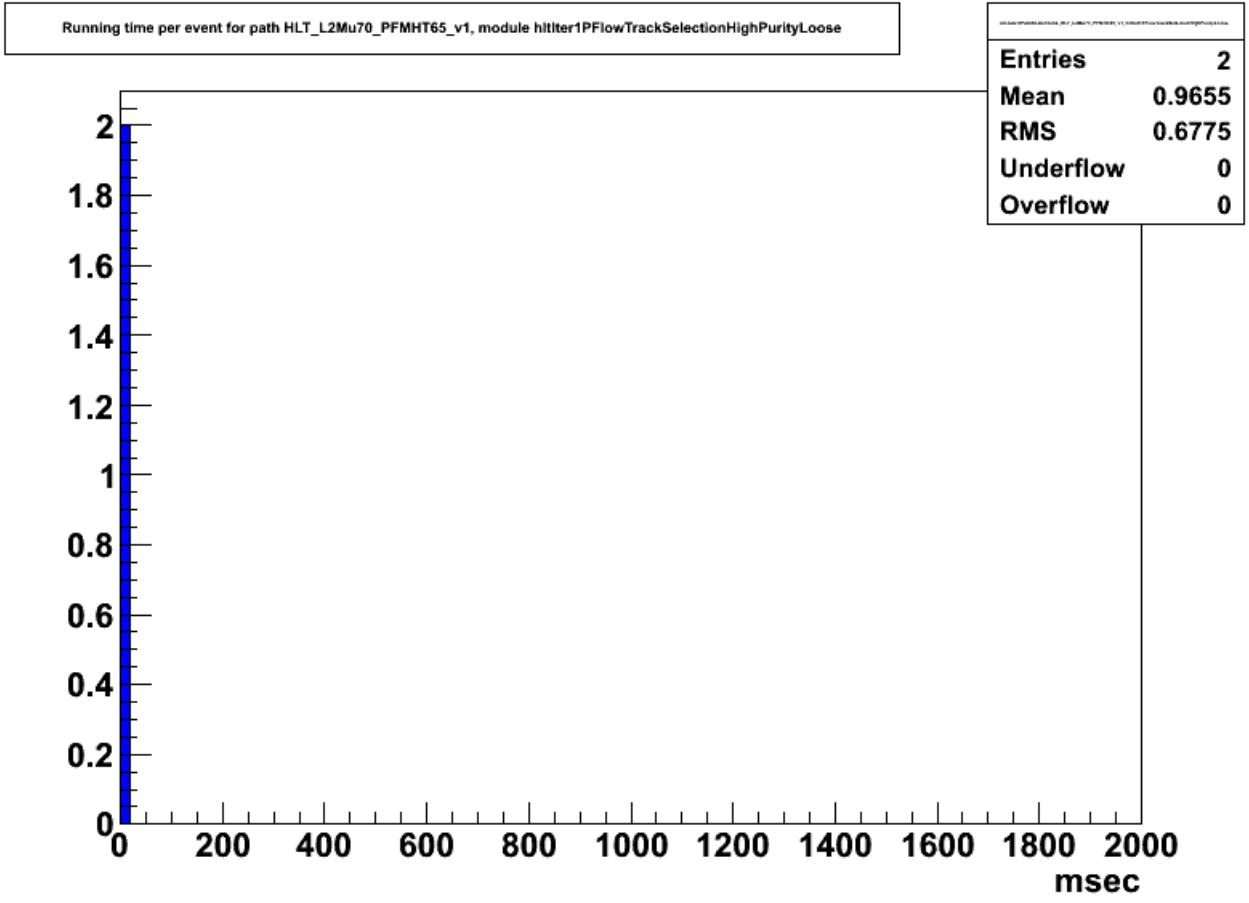
2.5.91 hltIter1PFJetCkfTrackCandidates



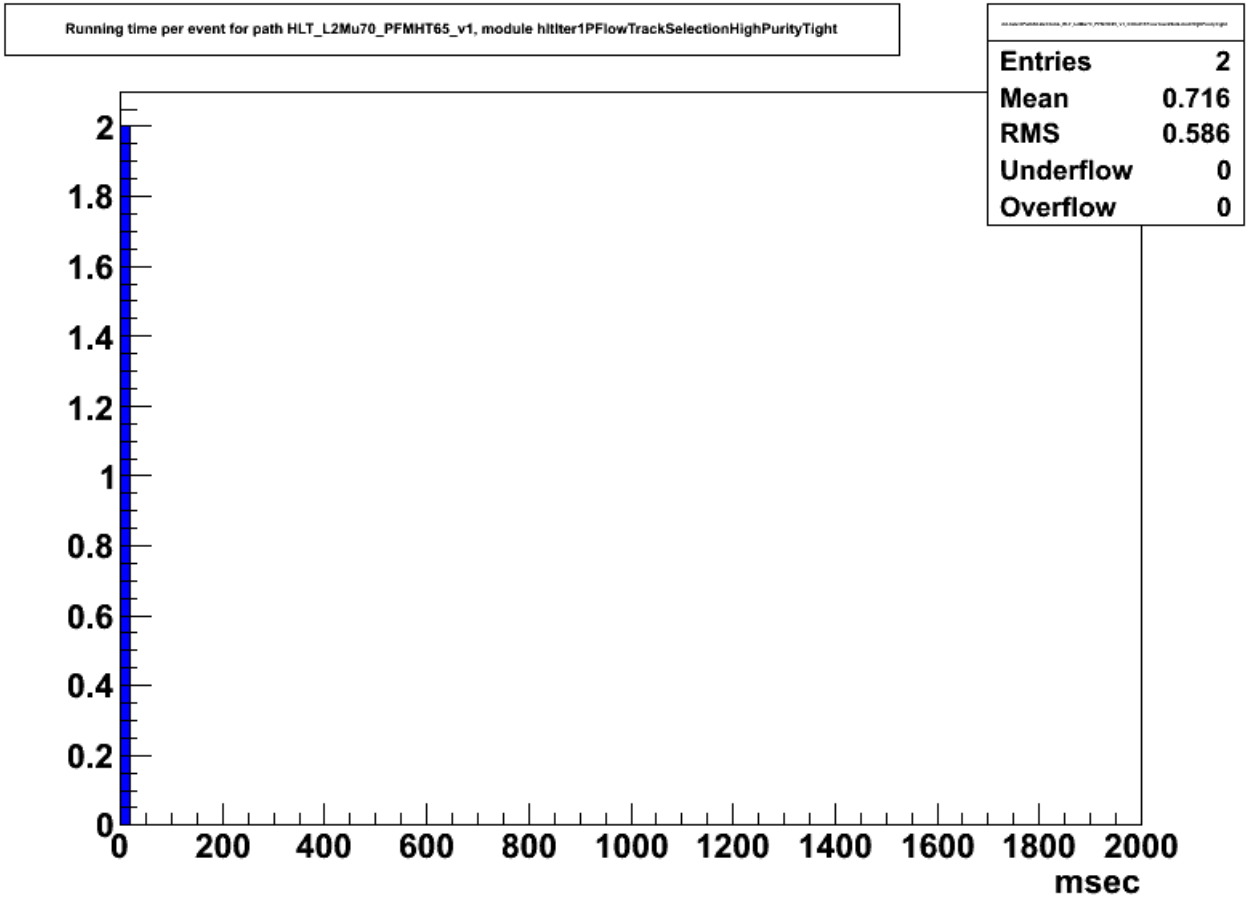
2.5.92 hltIter1PFJetCtfWithMaterialTracks



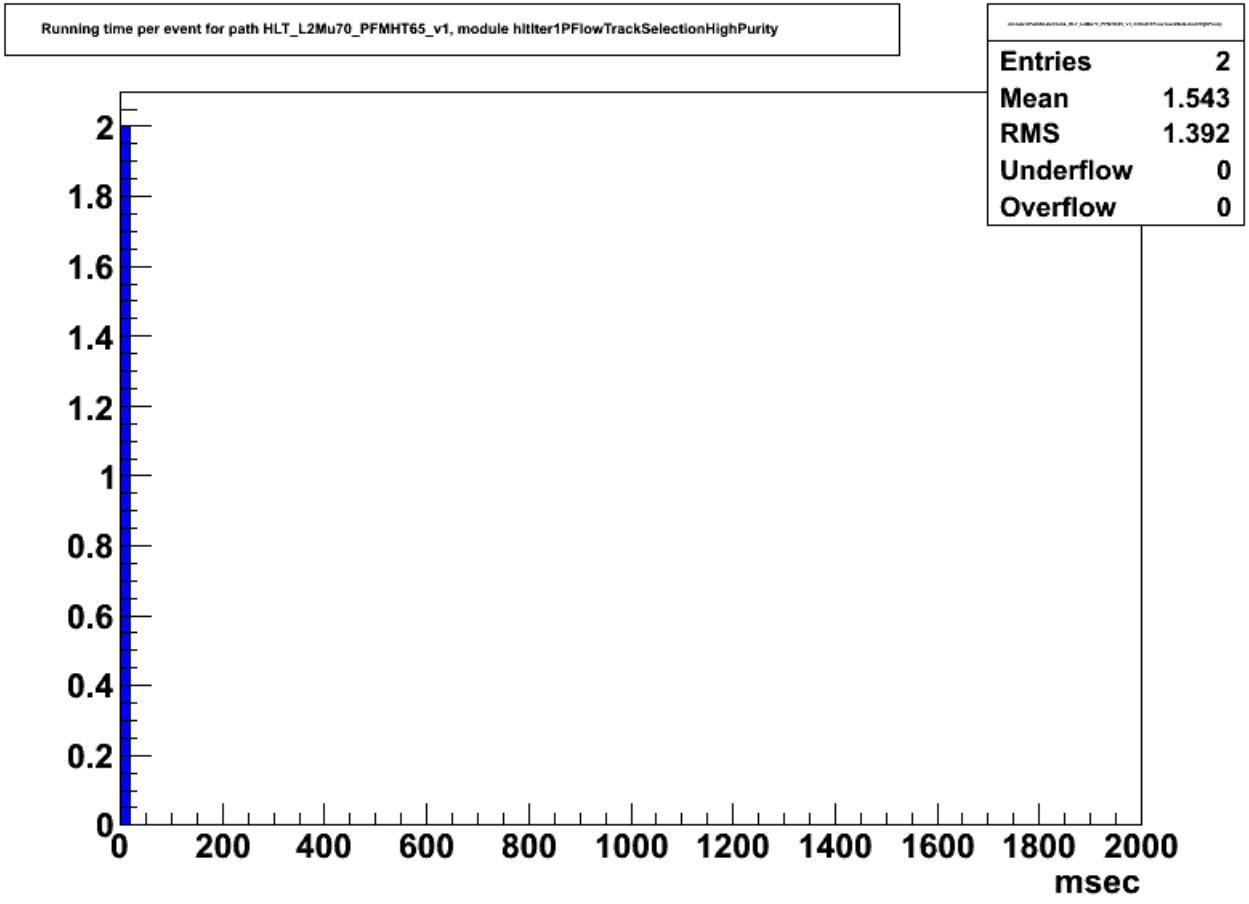
2.5.93 hltIter1PFlowTrackSelectionHighPurityLoose



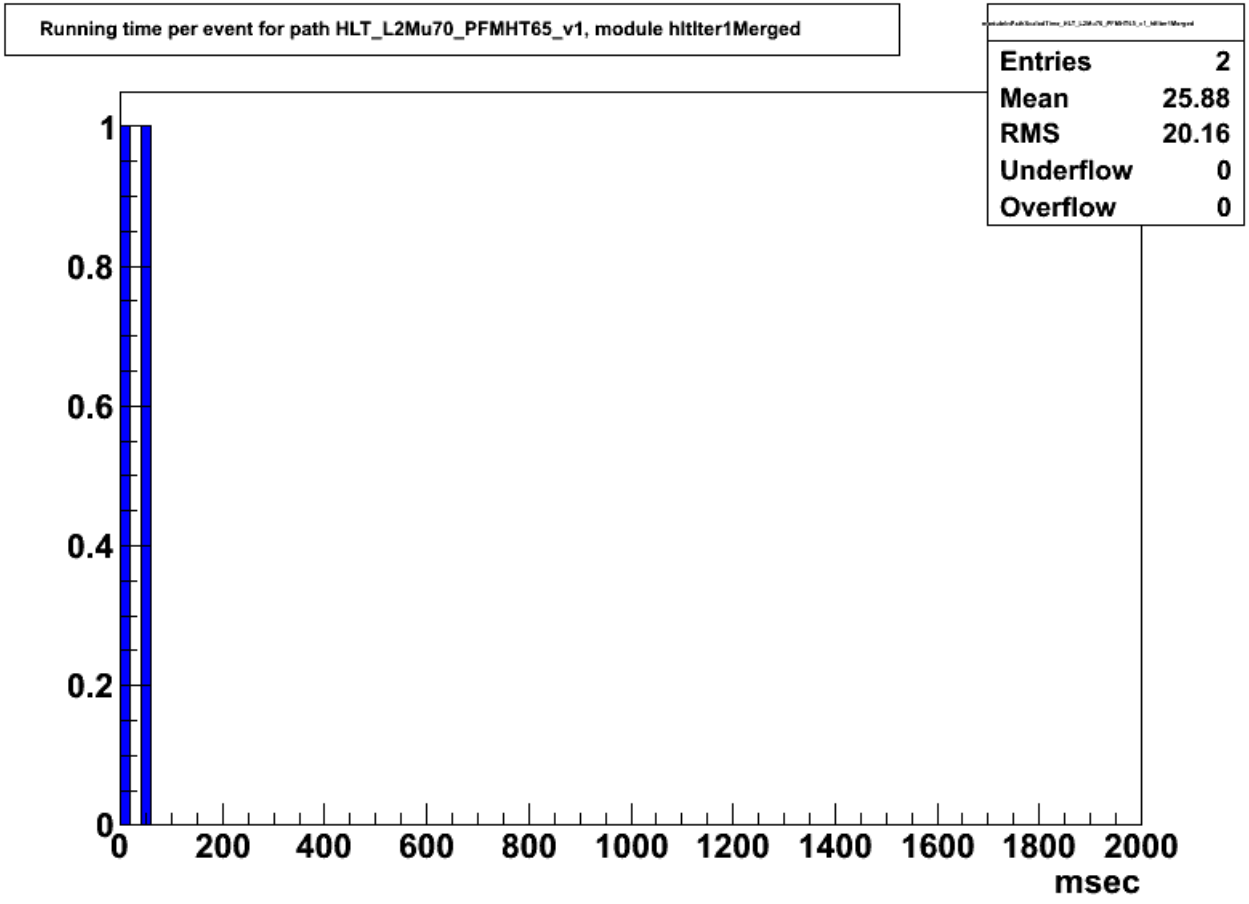
2.5.94 hltIter1PFlowTrackSelectionHighPurityTight



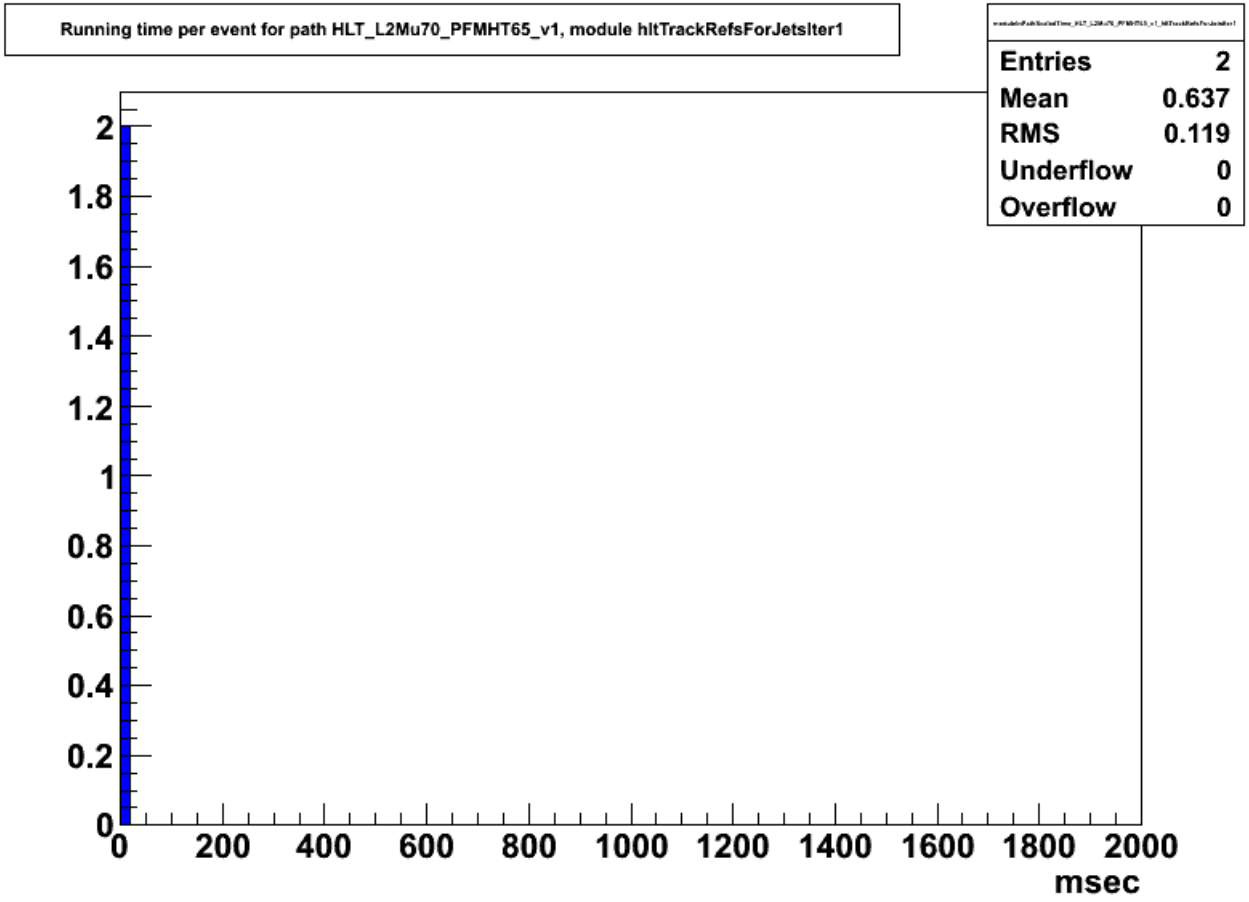
2.5.95 hltIter1PFlowTrackSelectionHighPurity



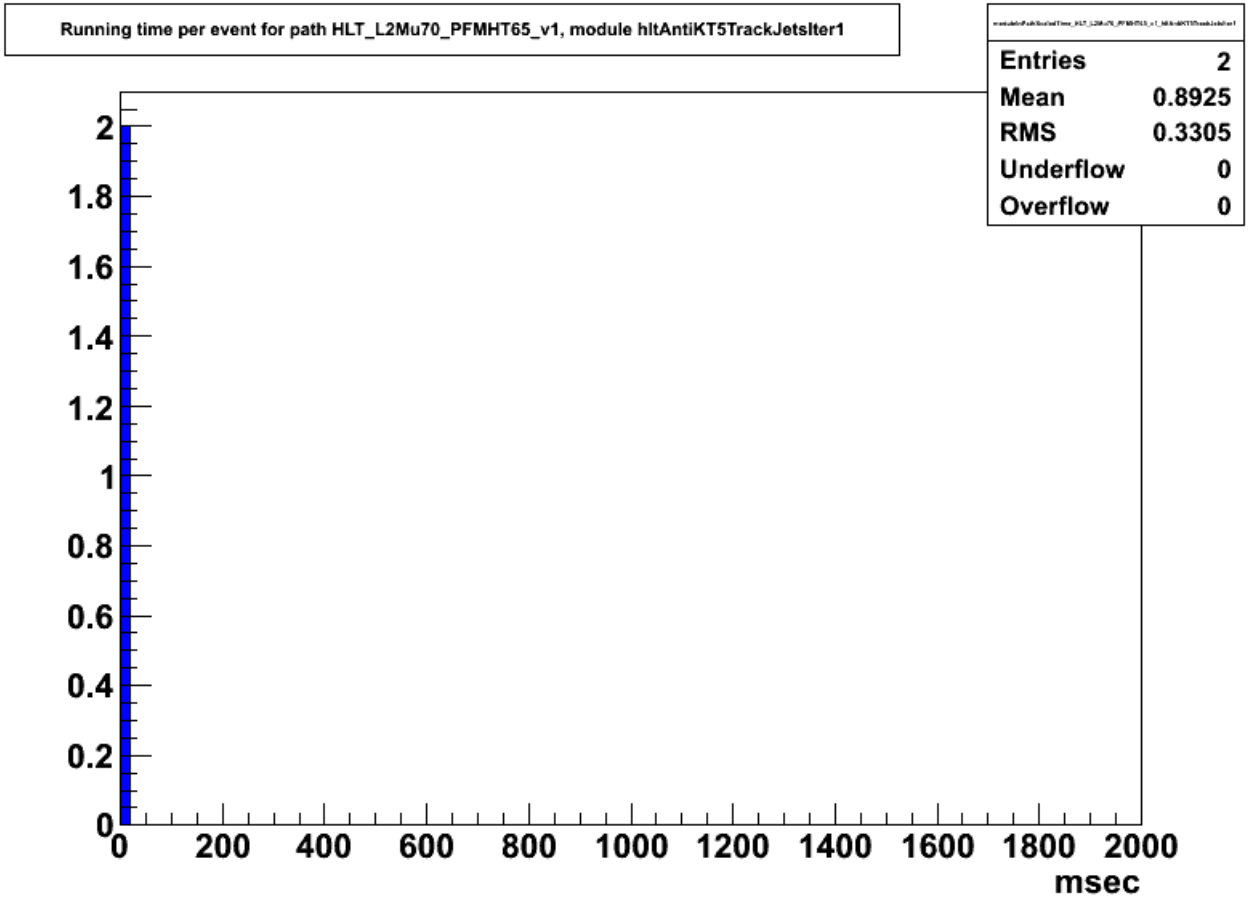
2.5.96 hltIter1Merged



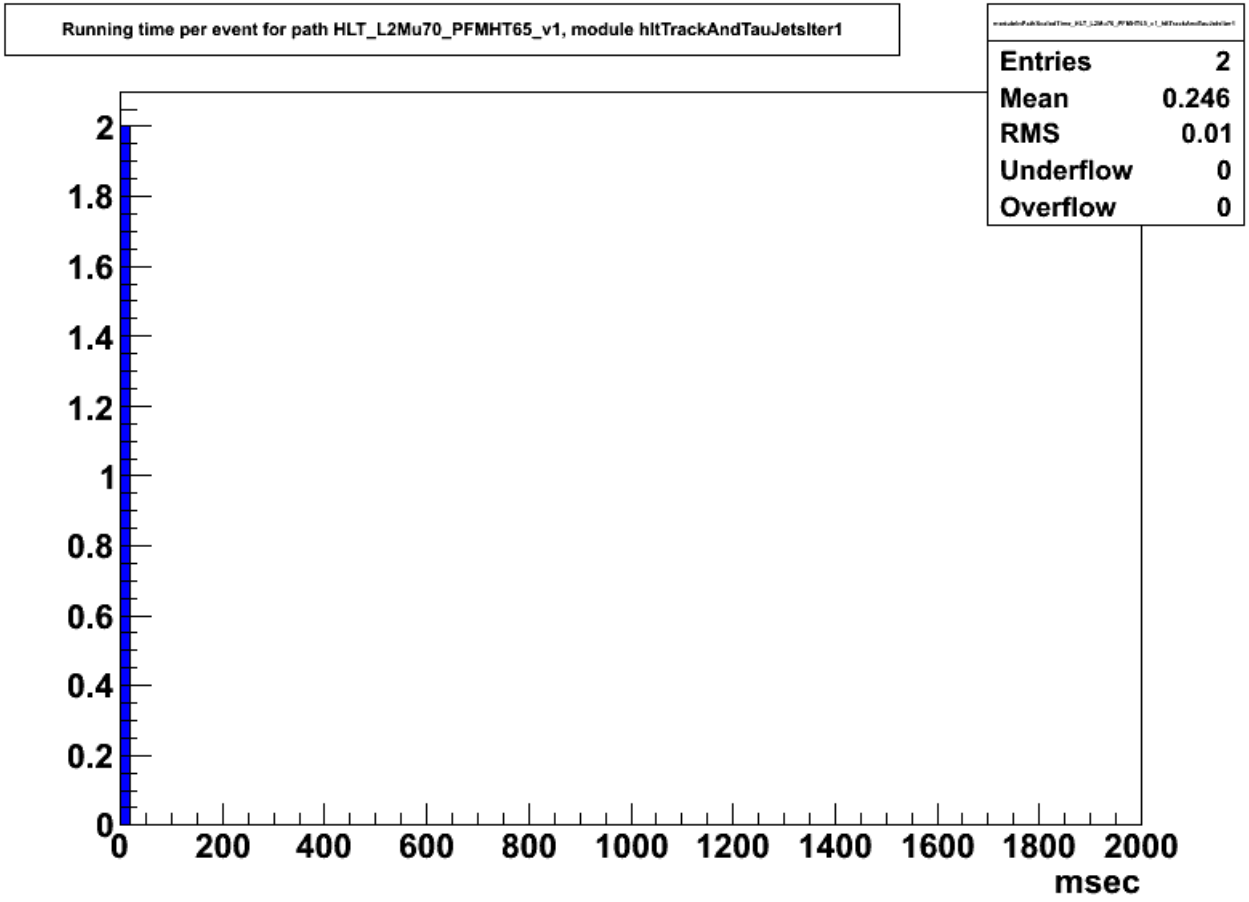
2.5.97 hltTrackRefsForJetsIter1



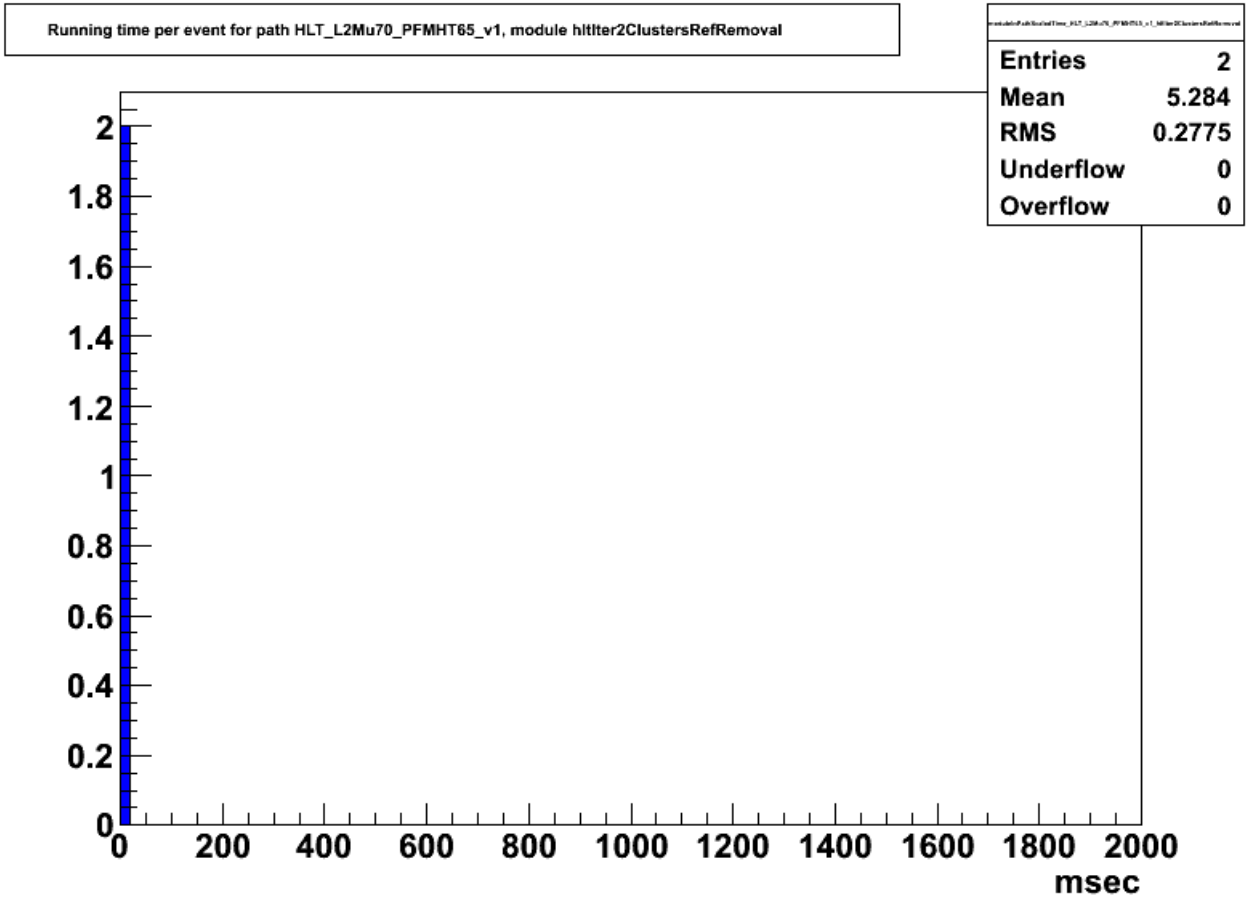
2.5.98 hltAntiKT5TrackJetsIter1



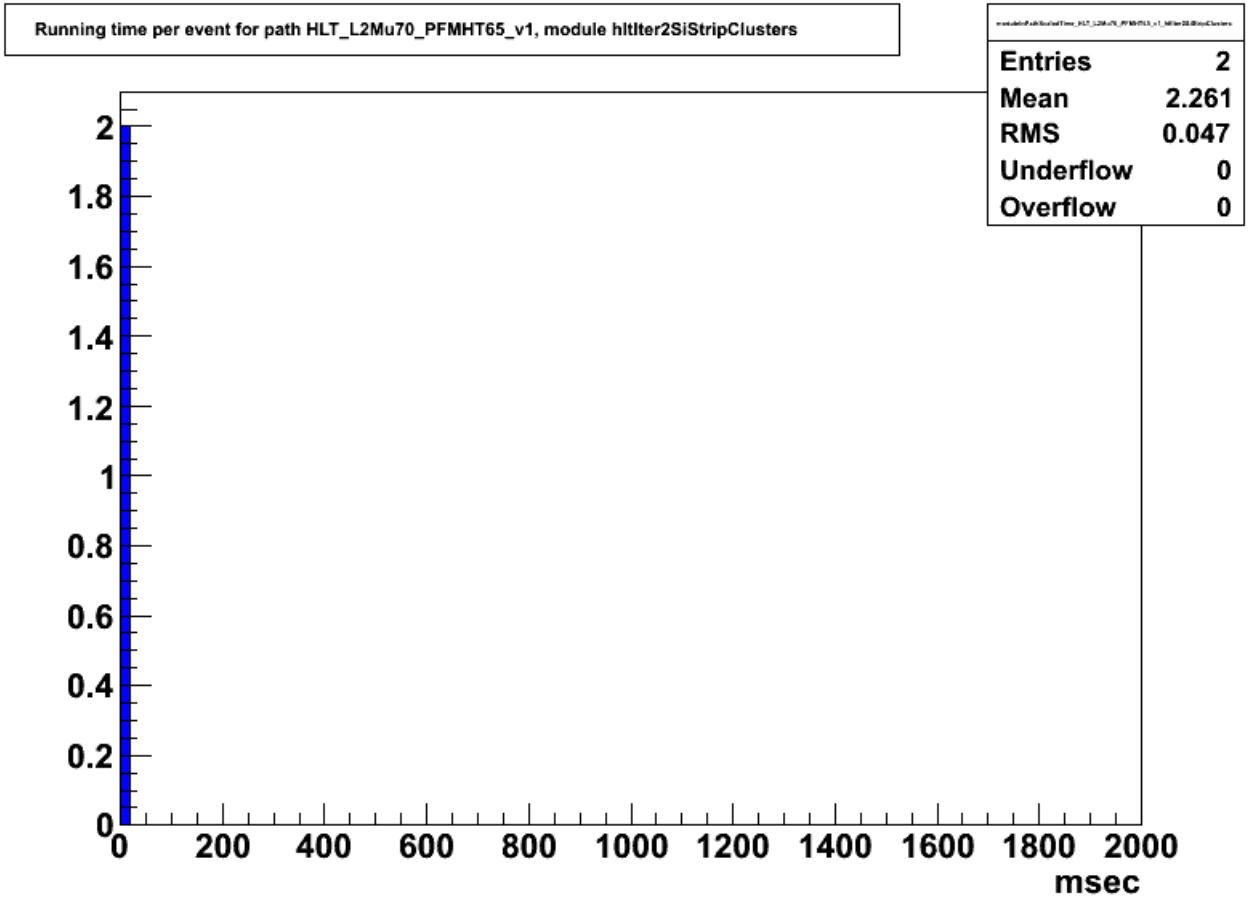
2.5.99 hltTrackAndTauJetsIter1



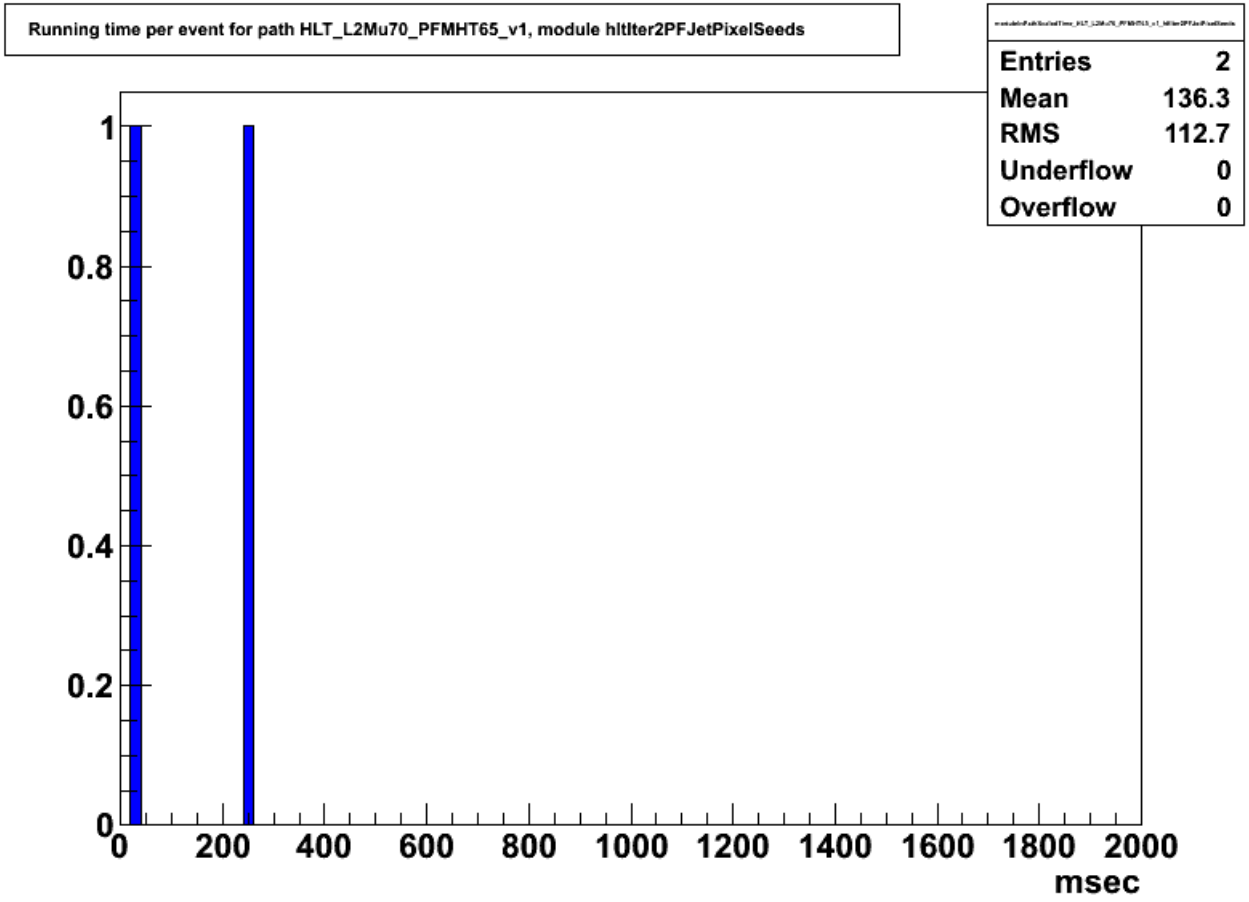
2.5.100 hltIter2ClustersRefRemoval



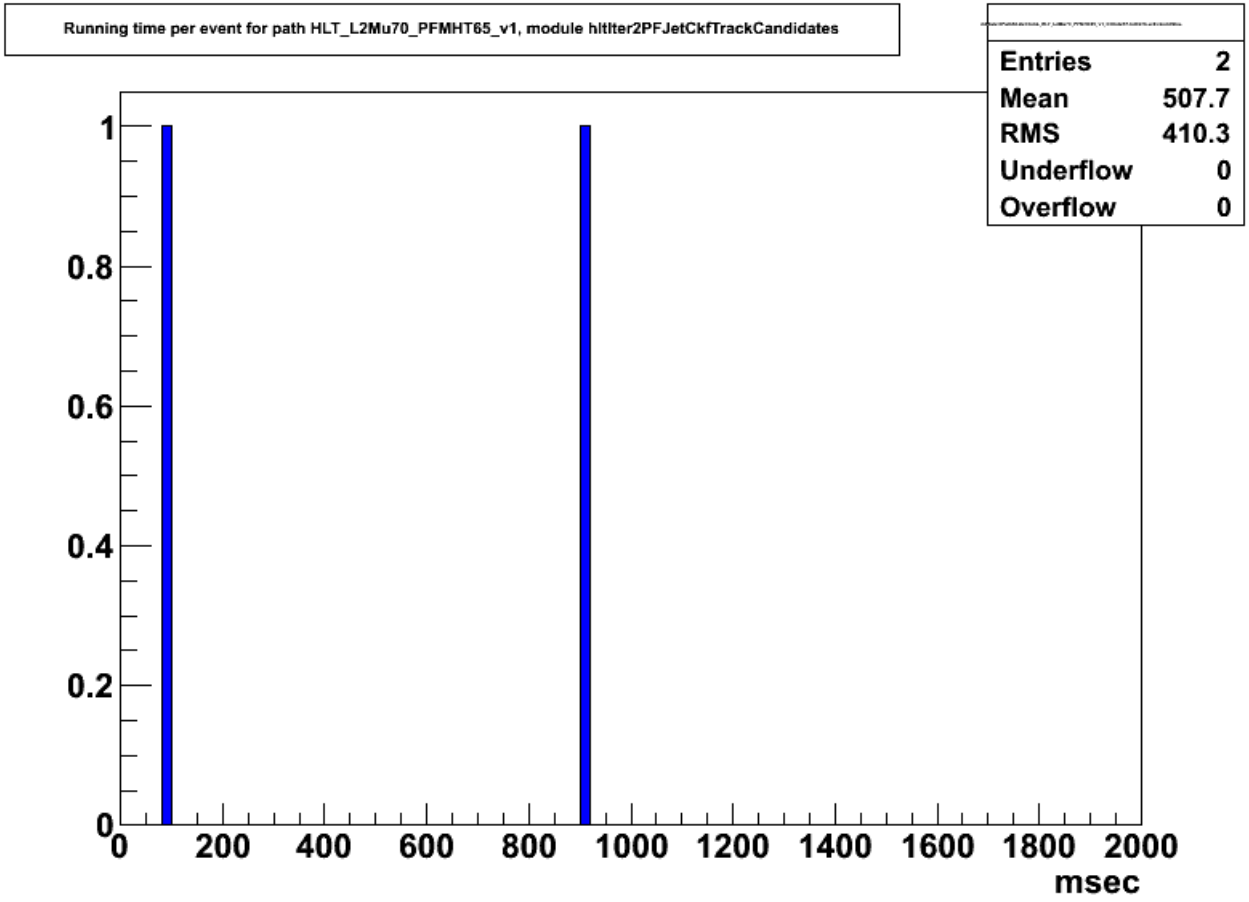
2.5.101 hltIter2SiStripClusters



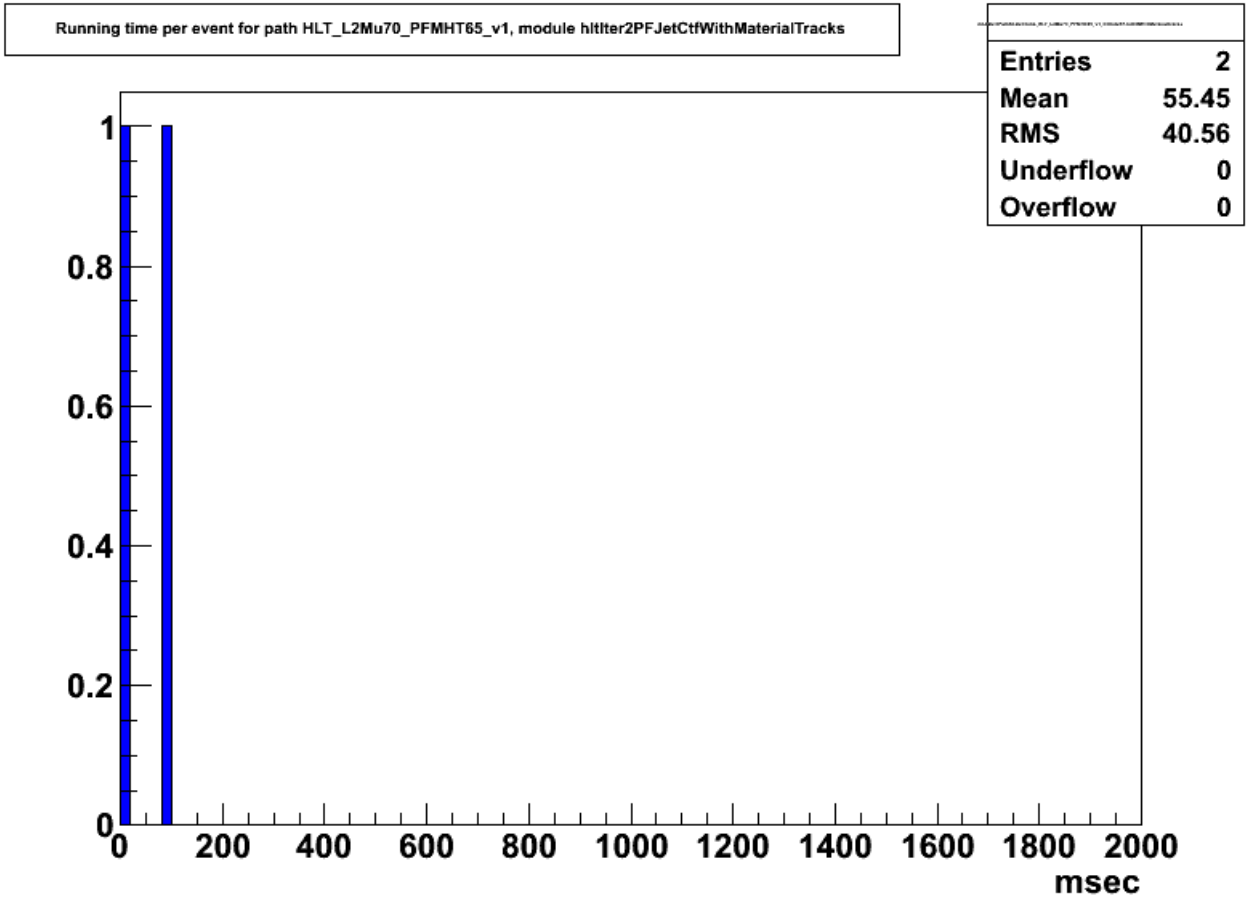
2.5.102 hltIter2PFJetPixelSeeds



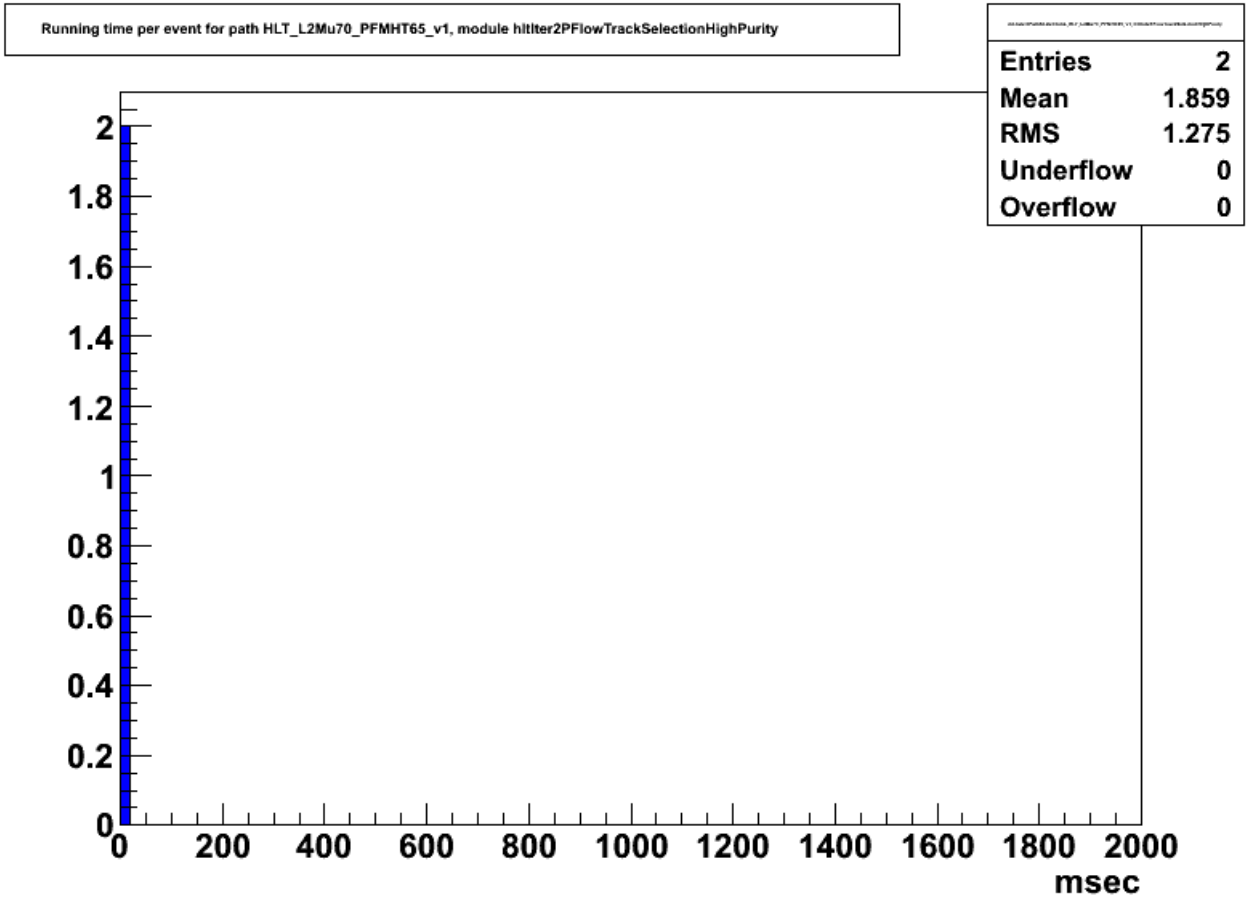
2.5.103 hltIter2PFJetCkfTrackCandidates



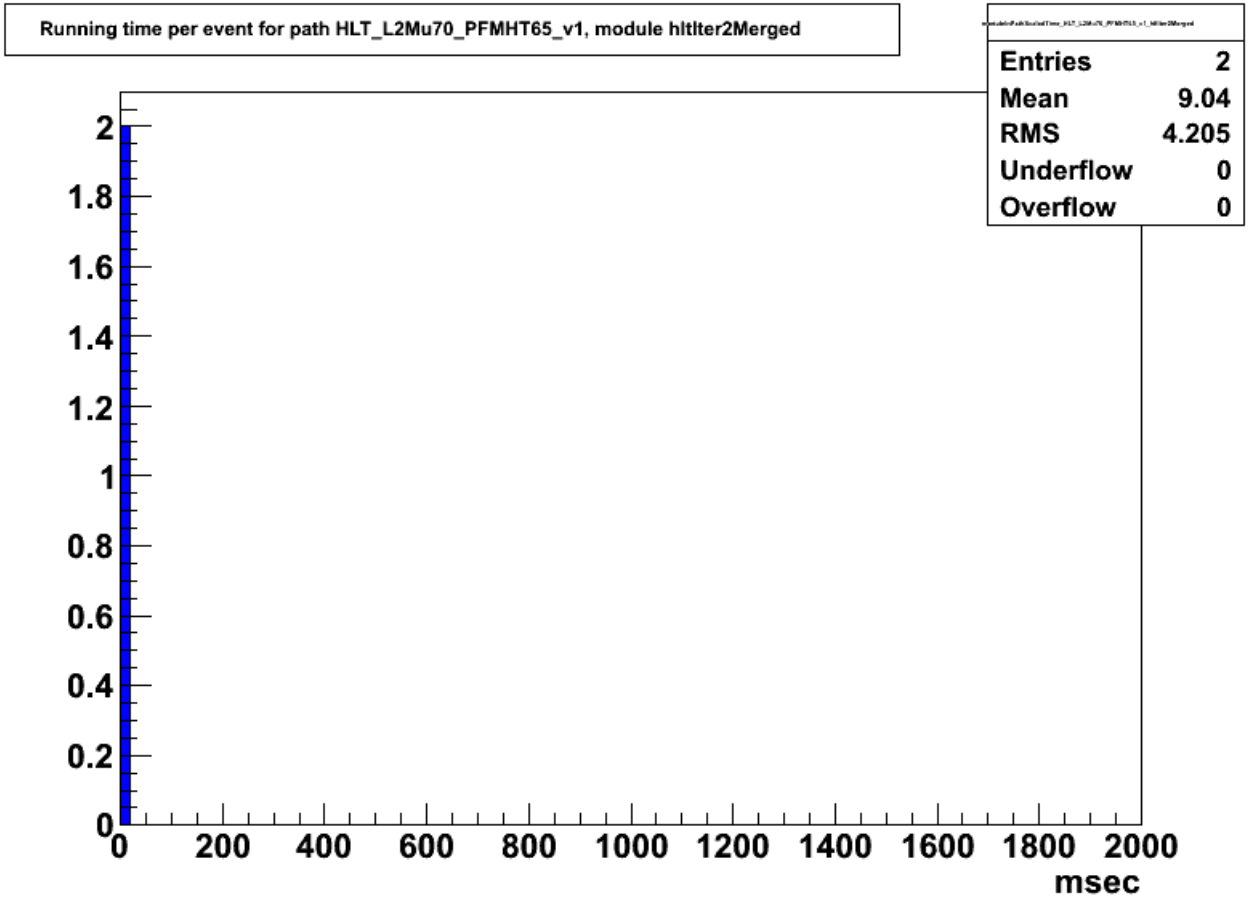
2.5.104 hltIter2PFJetCtfWithMaterialTracks



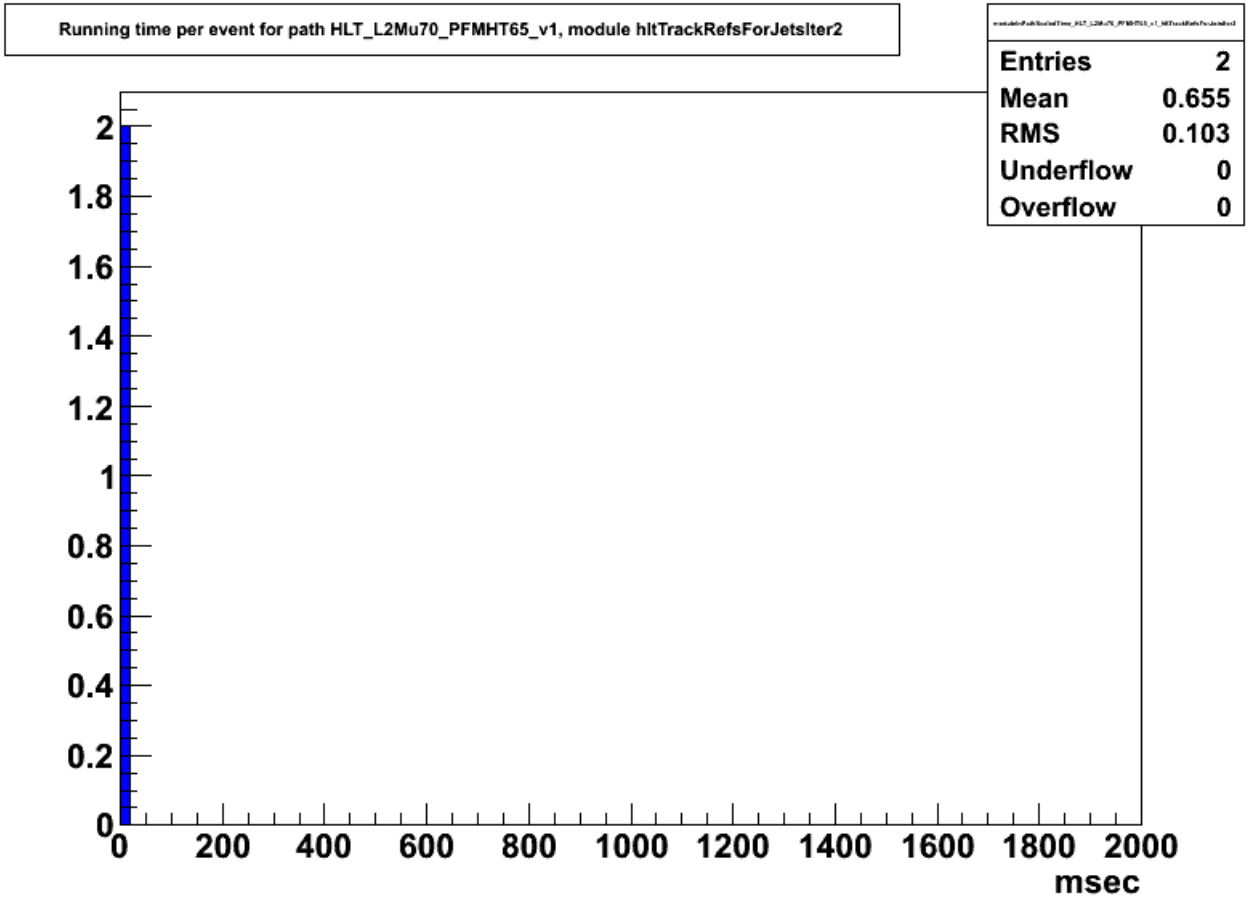
2.5.105 hltIter2PFlowTrackSelectionHighPurity



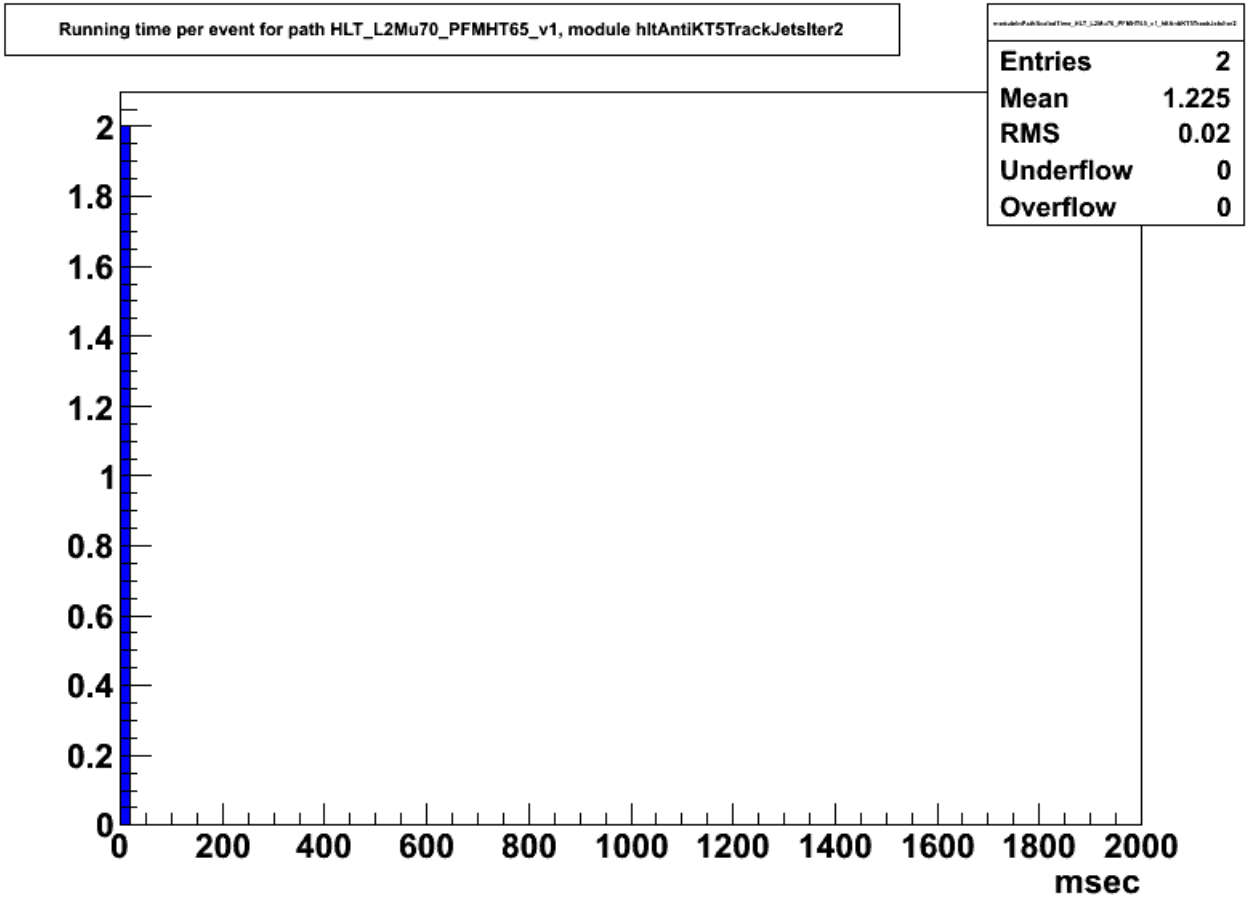
2.5.106 hltIter2Merged



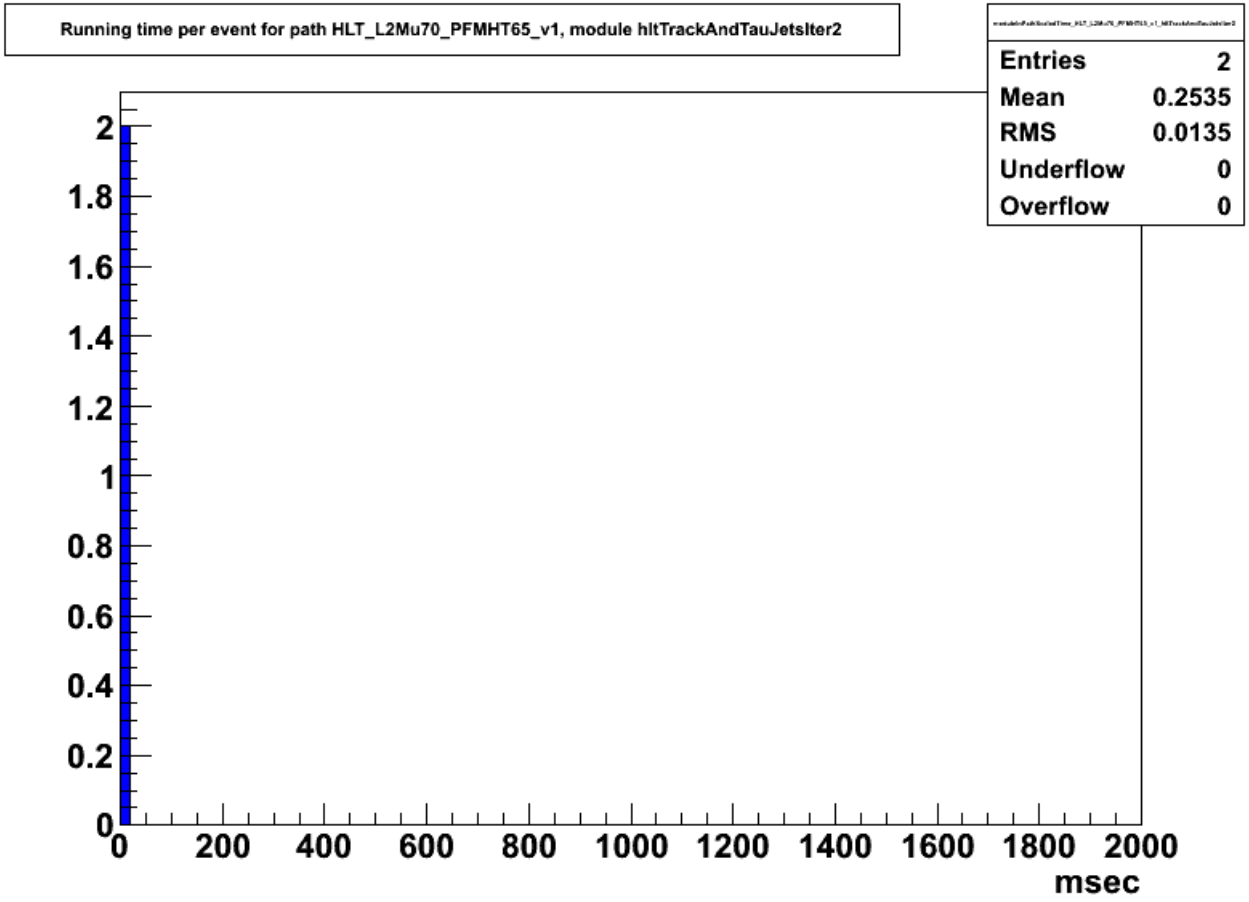
2.5.107 hltTrackRefsForJetsIter2



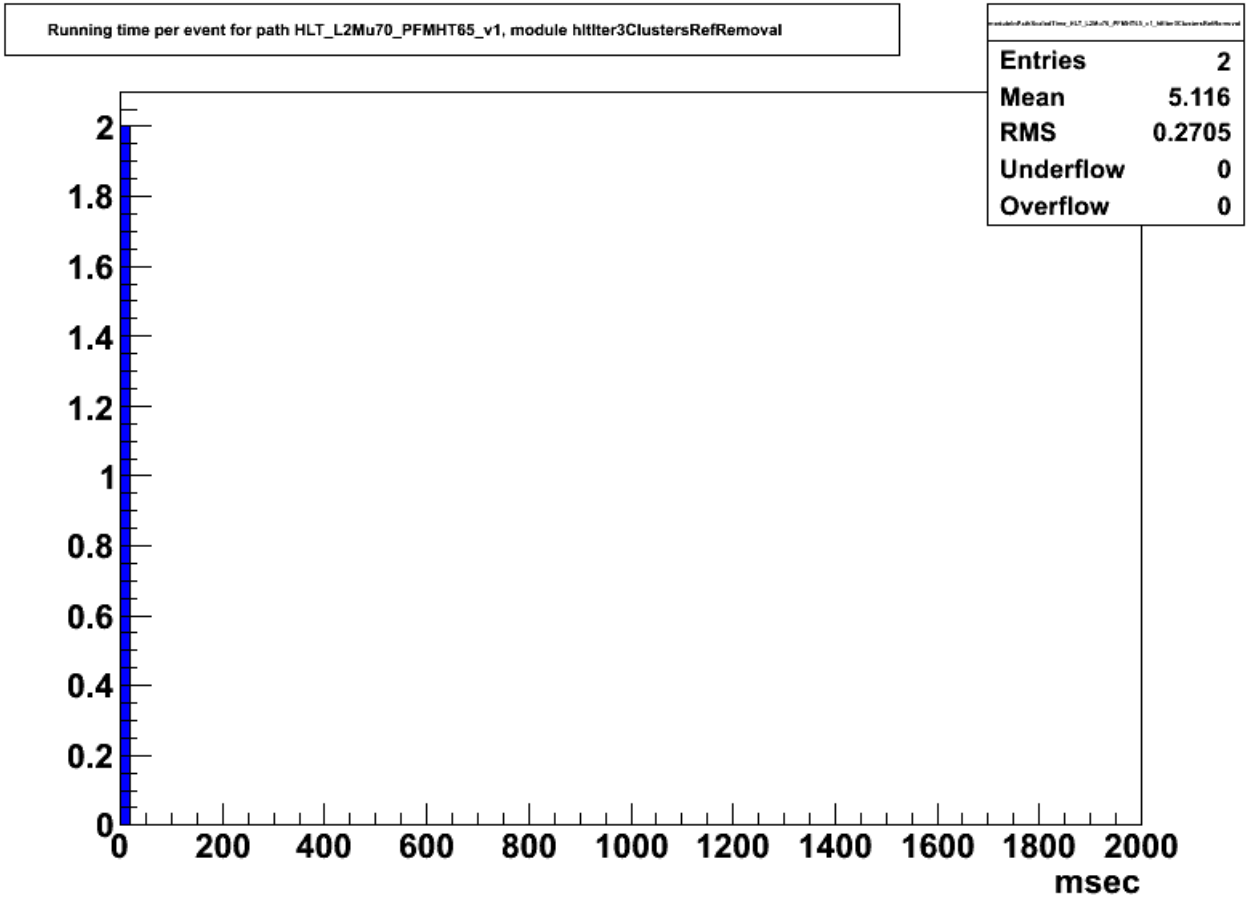
2.5.108 hltAntiKT5TrackJetsIter2



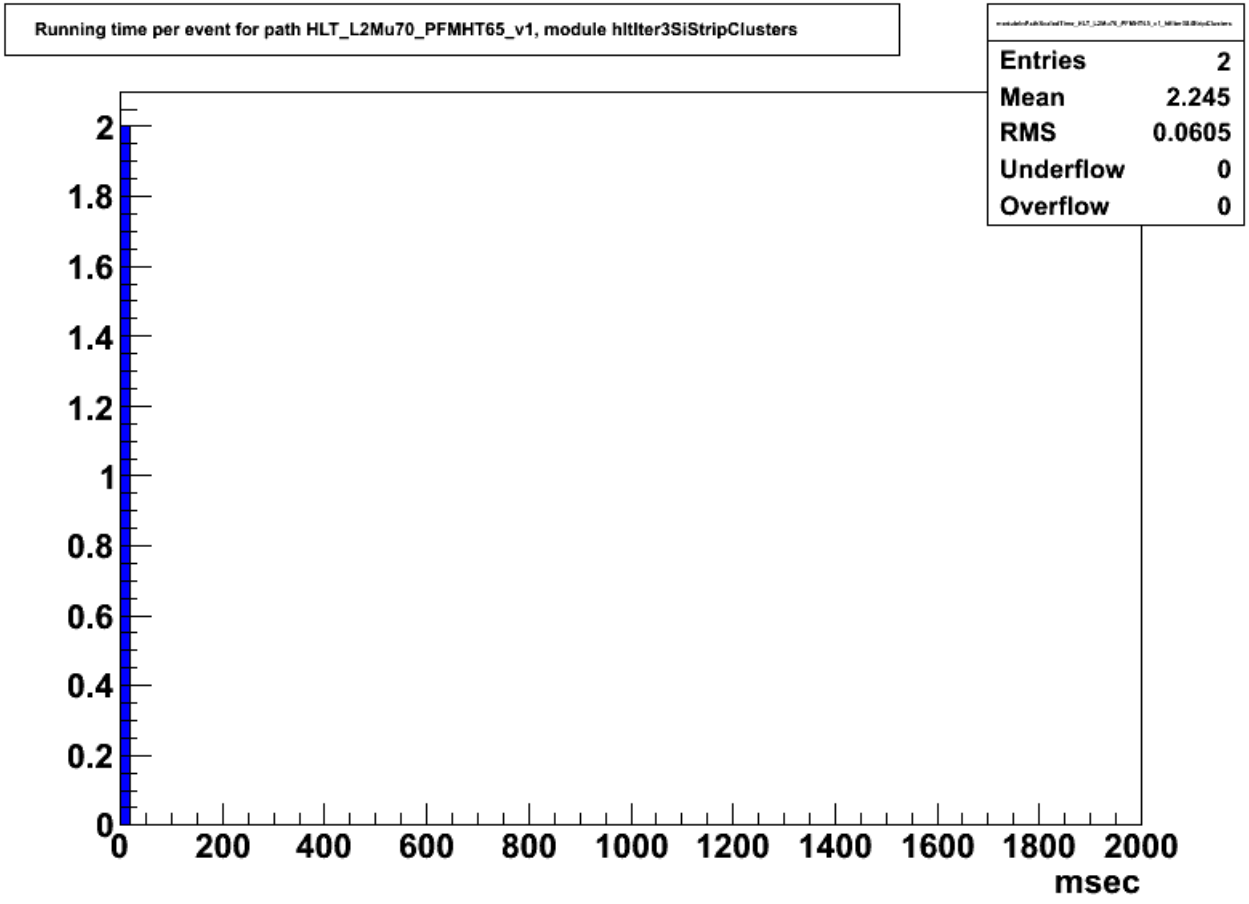
2.5.109 hltTrackAndTauJetsIter2



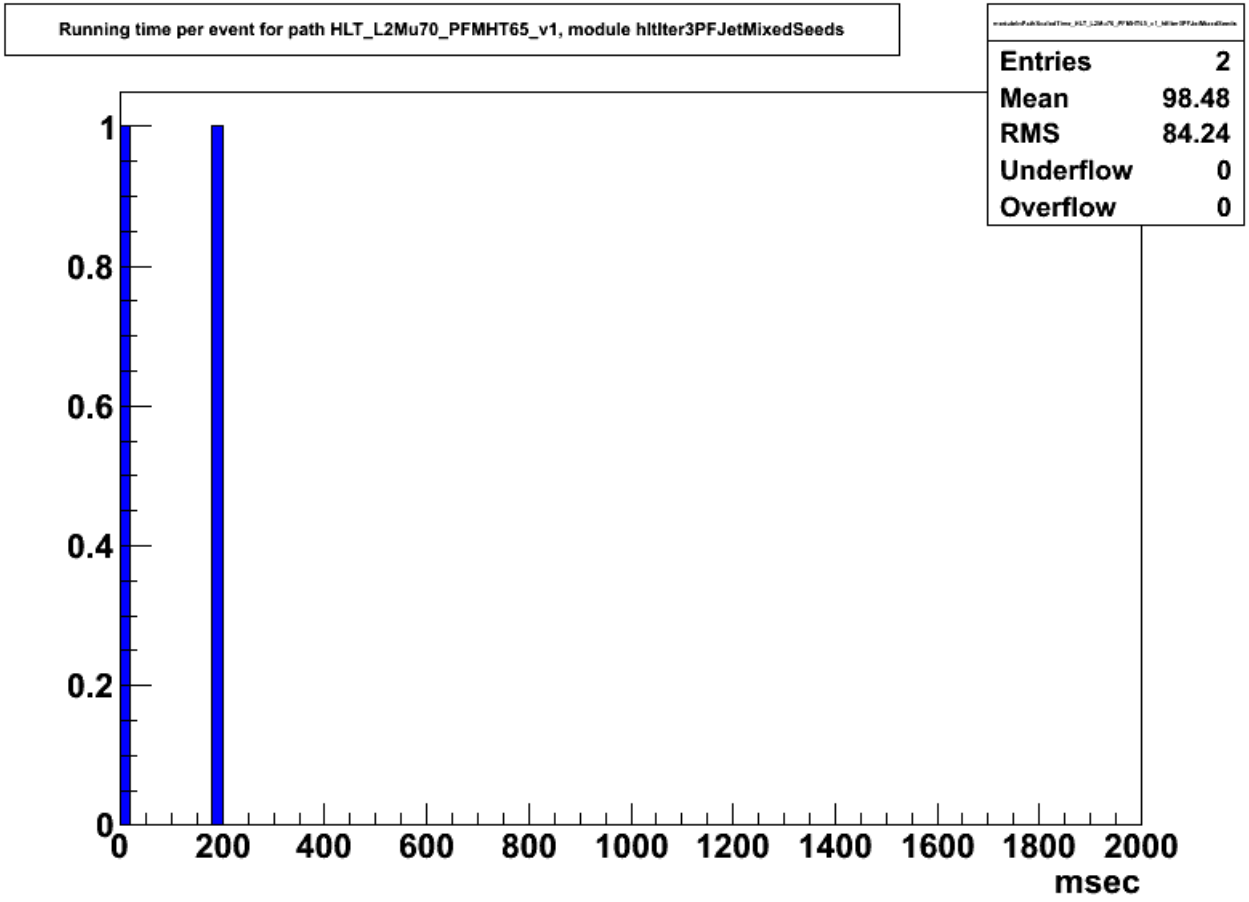
2.5.110 hltIter3ClustersRefRemoval



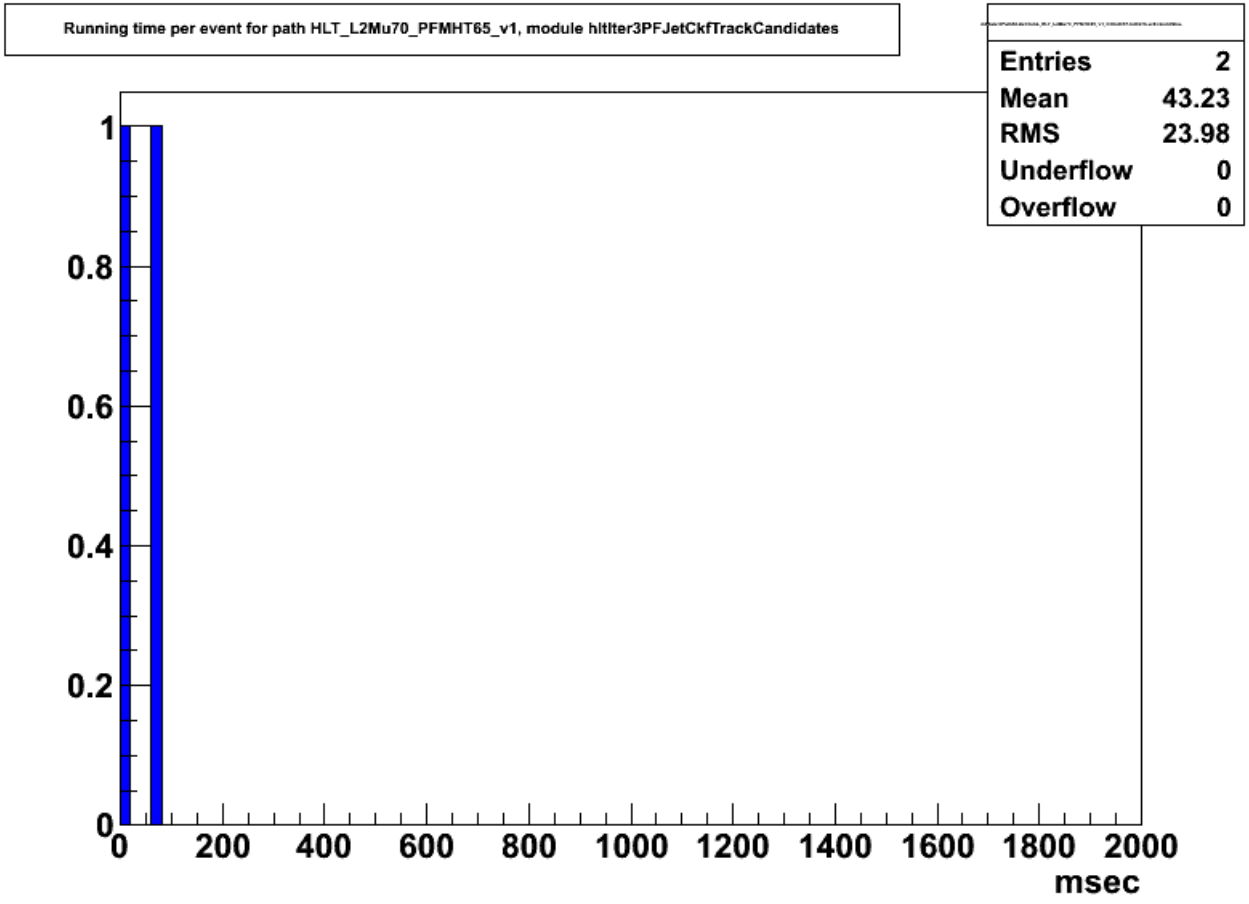
2.5.111 hltIter3SiStripClusters



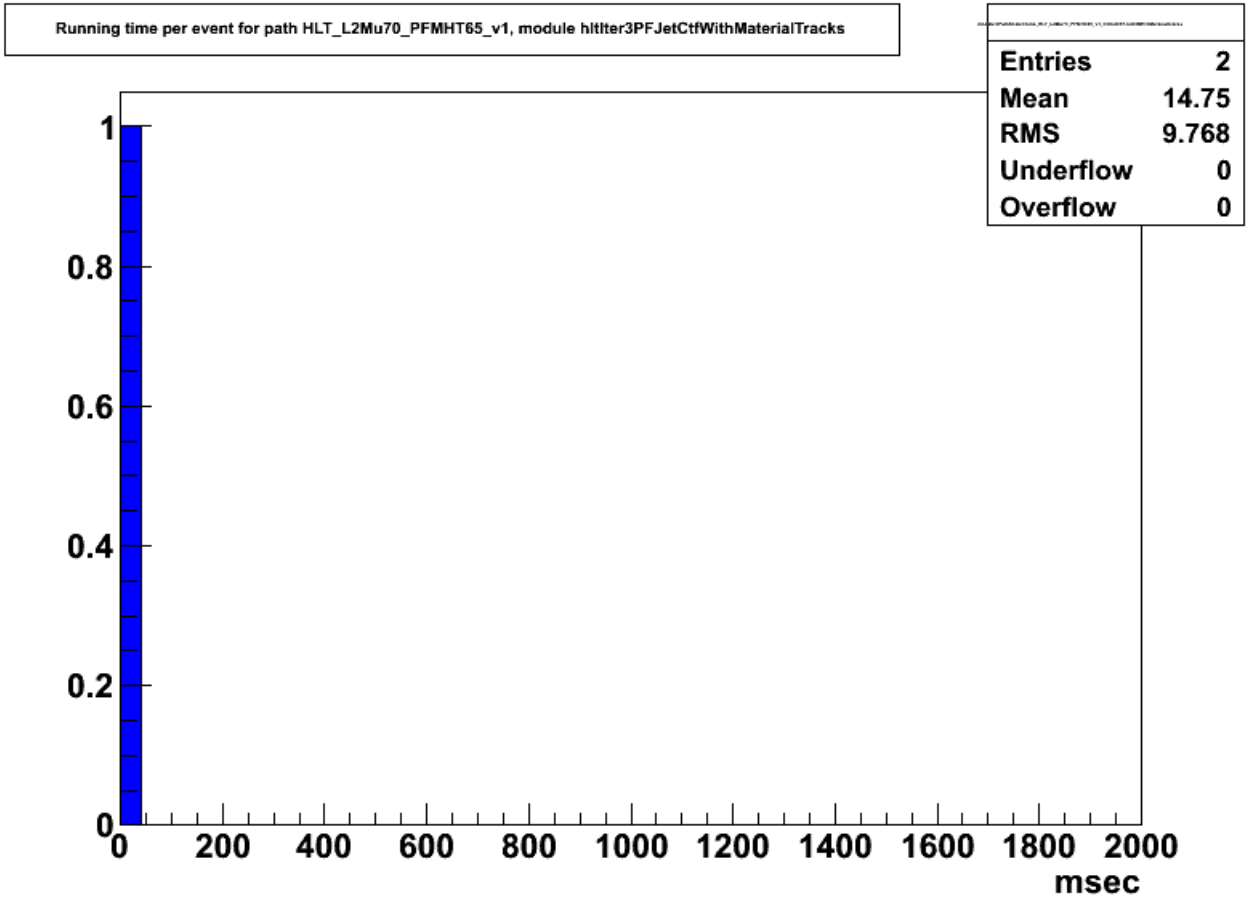
2.5.112 hltIter3PFJetMixedSeeds



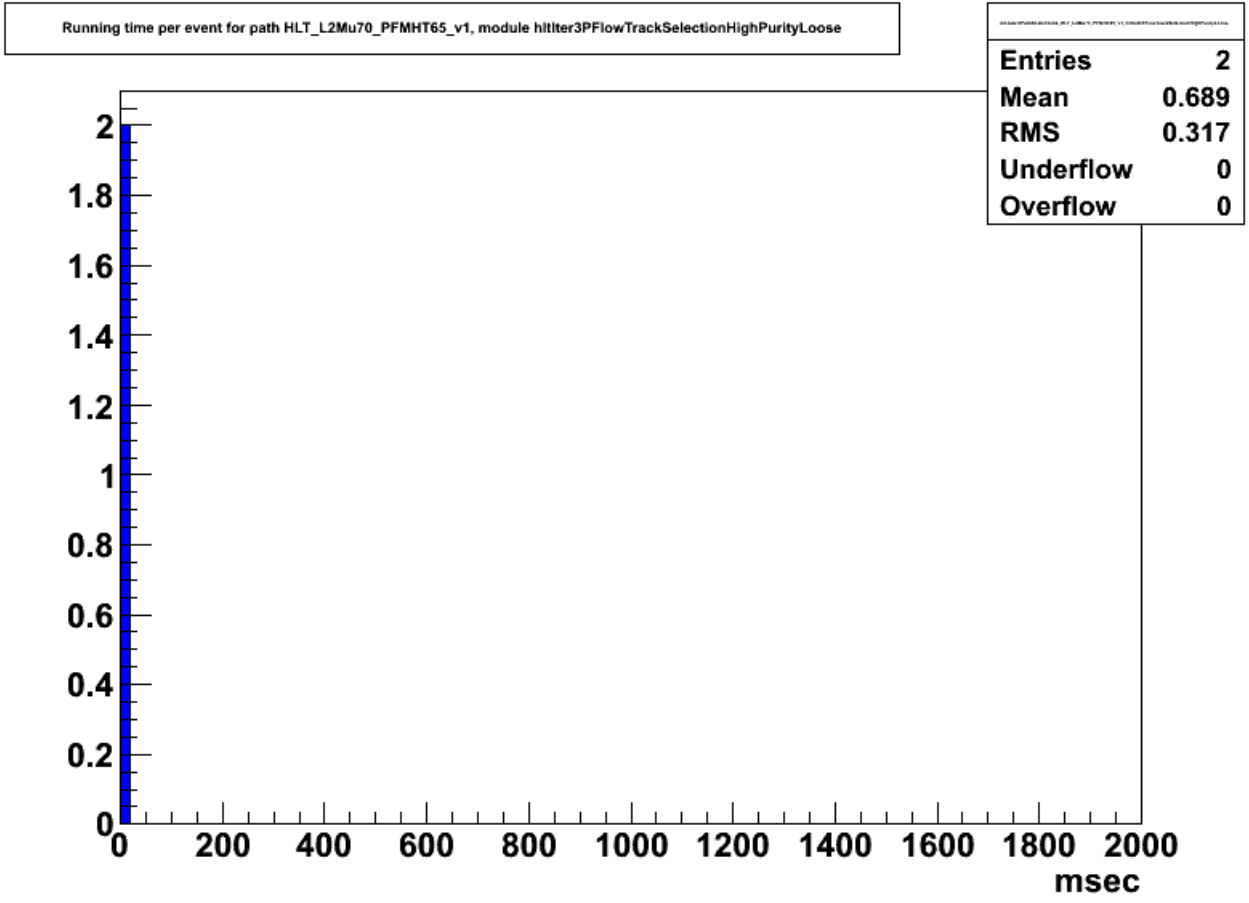
2.5.113 hltIter3PFJetCkfTrackCandidates



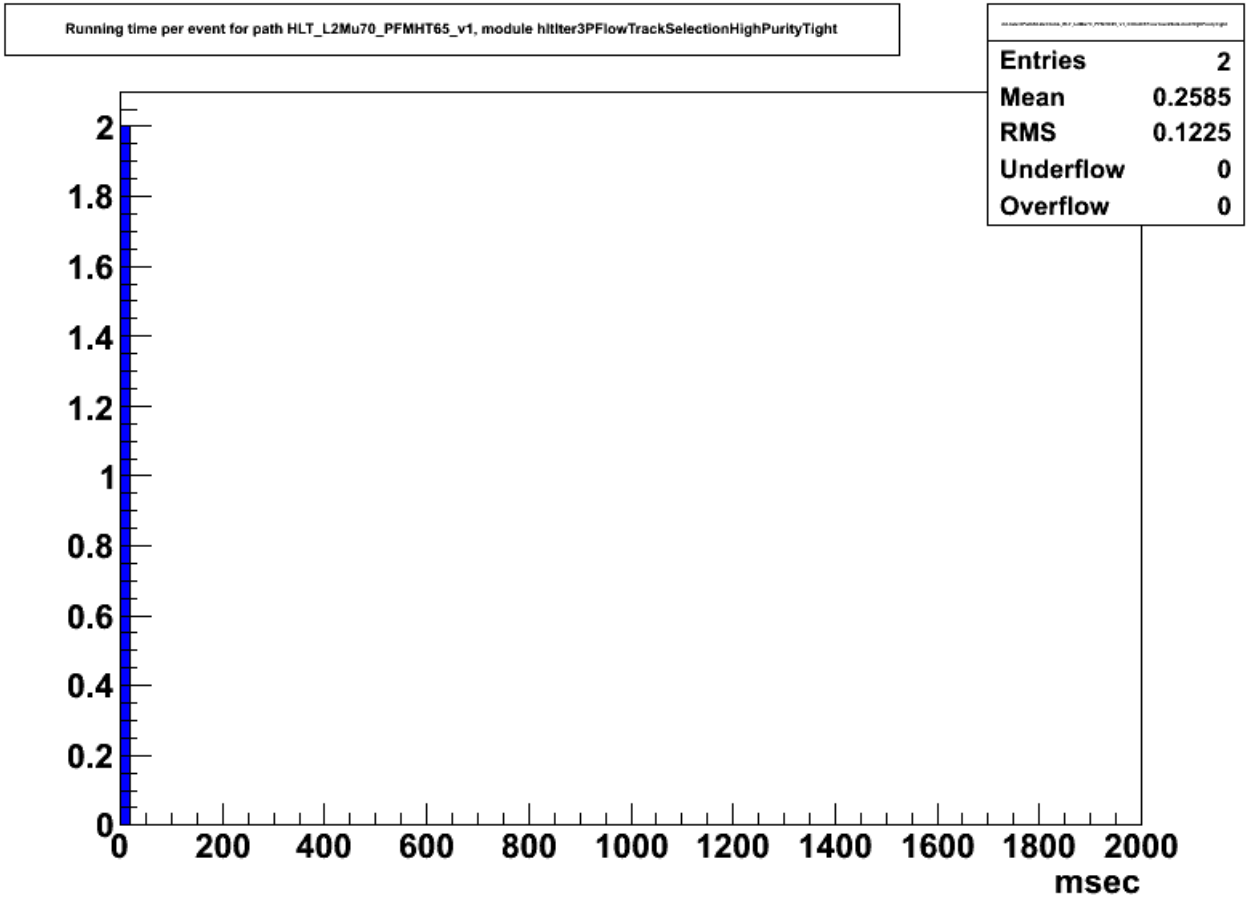
2.5.114 hltIter3PFJetCtfWithMaterialTracks



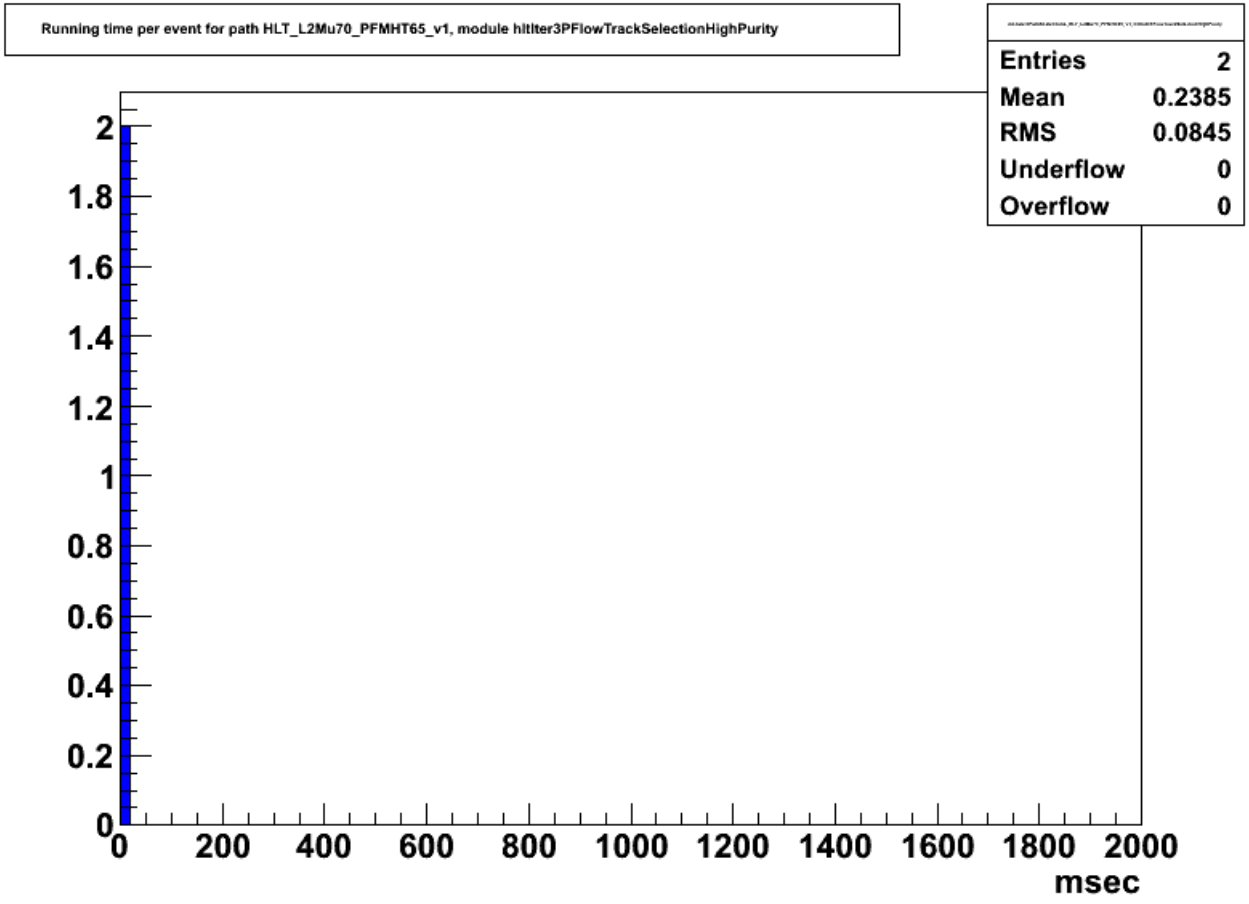
2.5.115 hltIter3PFlowTrackSelectionHighPurityLoose



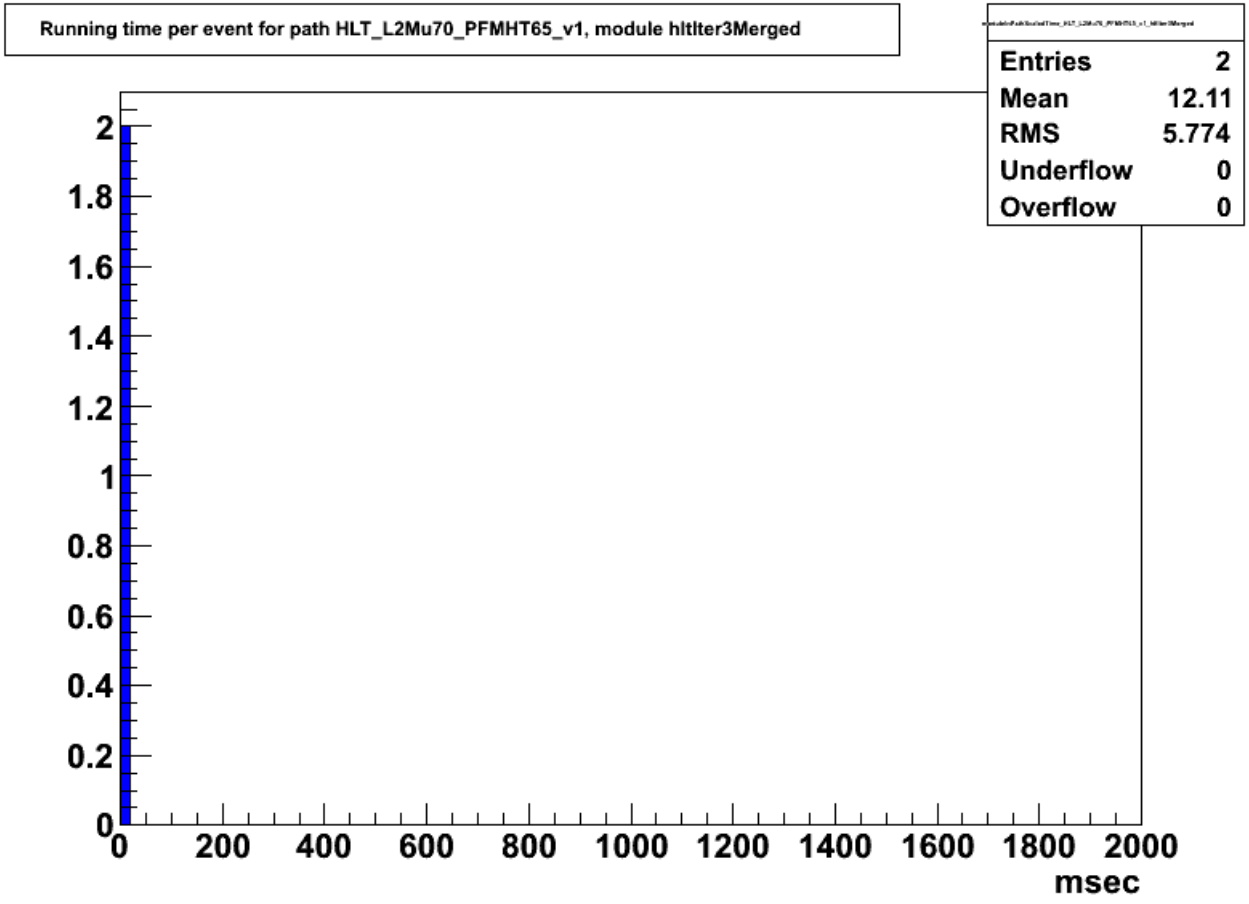
2.5.116 hltIter3PFlowTrackSelectionHighPurityTight



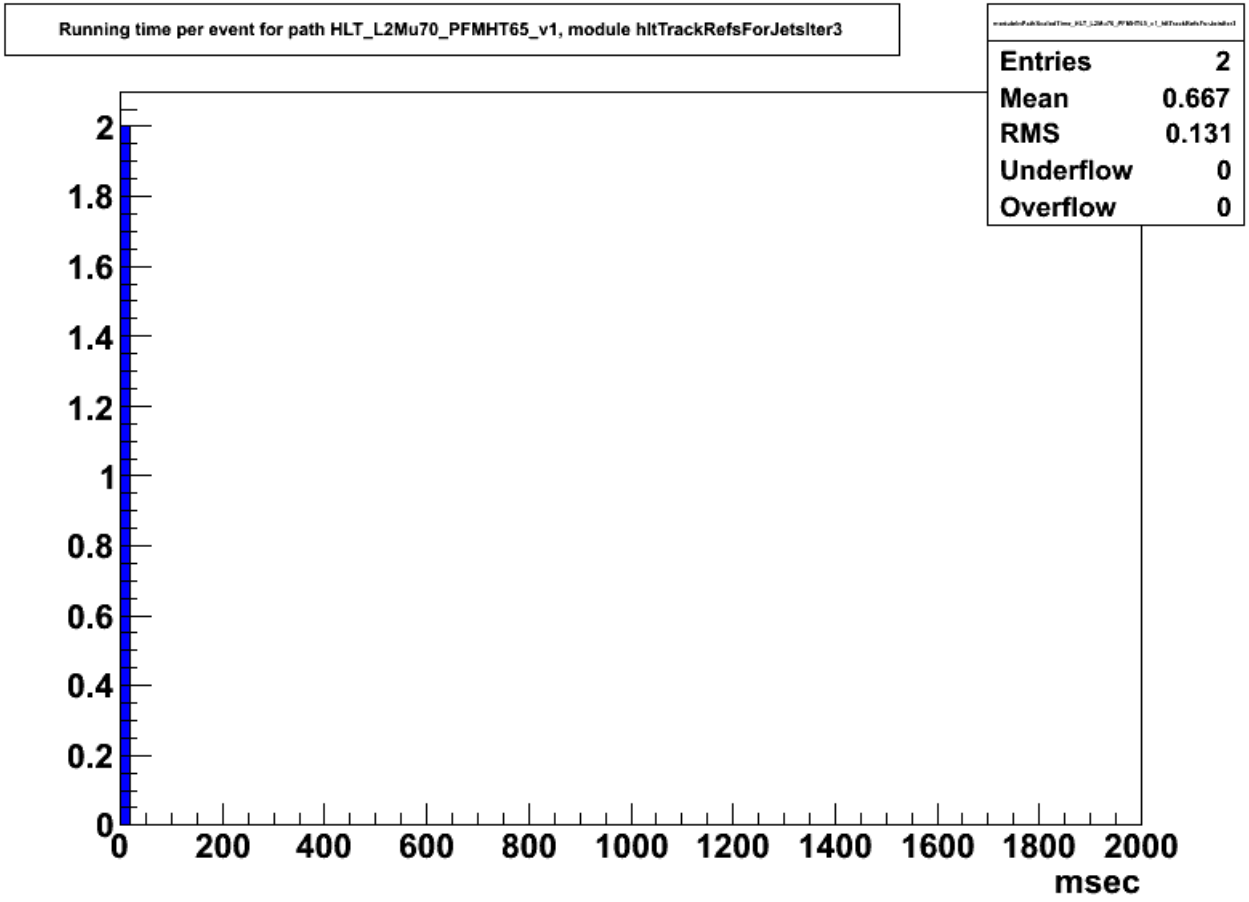
2.5.117 hltIter3PFlowTrackSelectionHighPurity



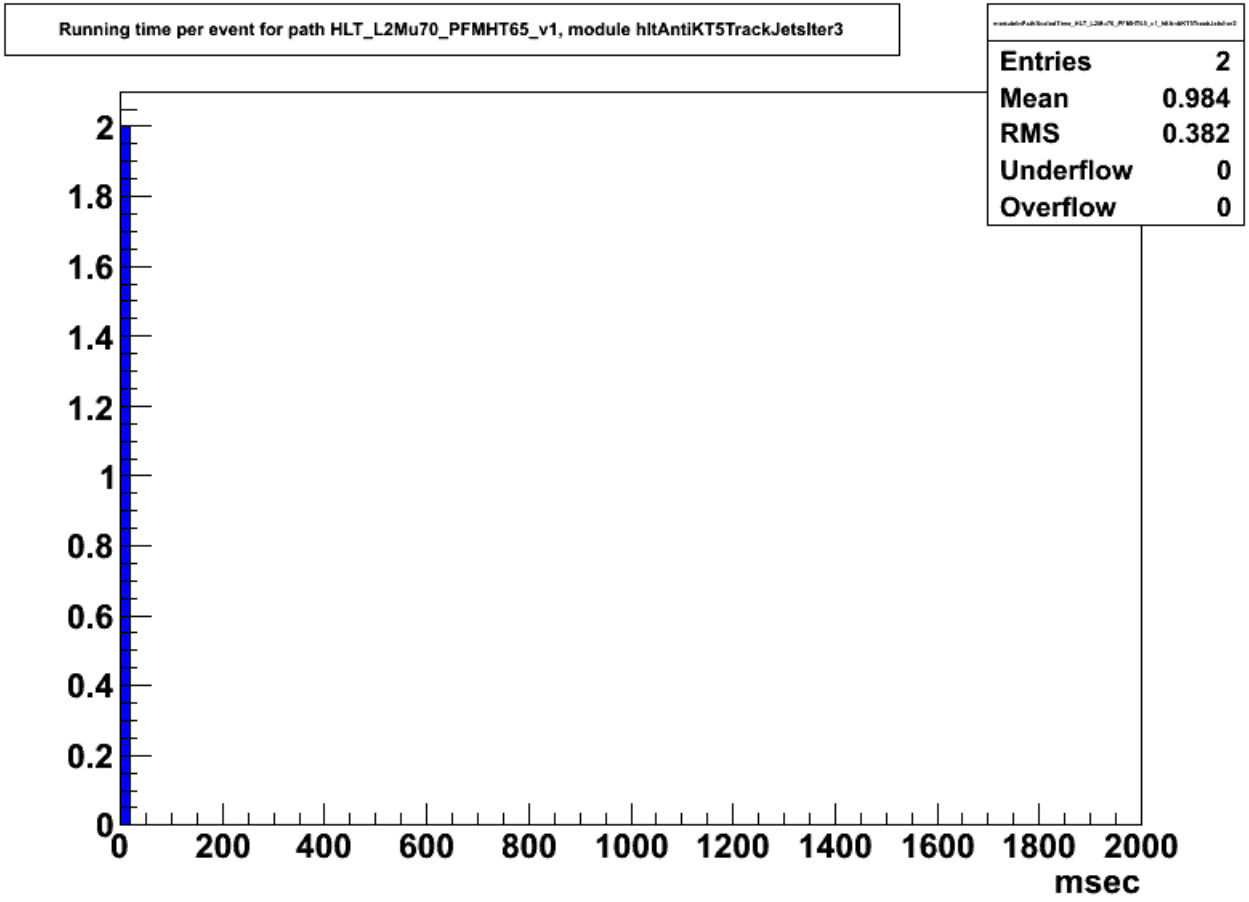
2.5.118 hltIter3Merged



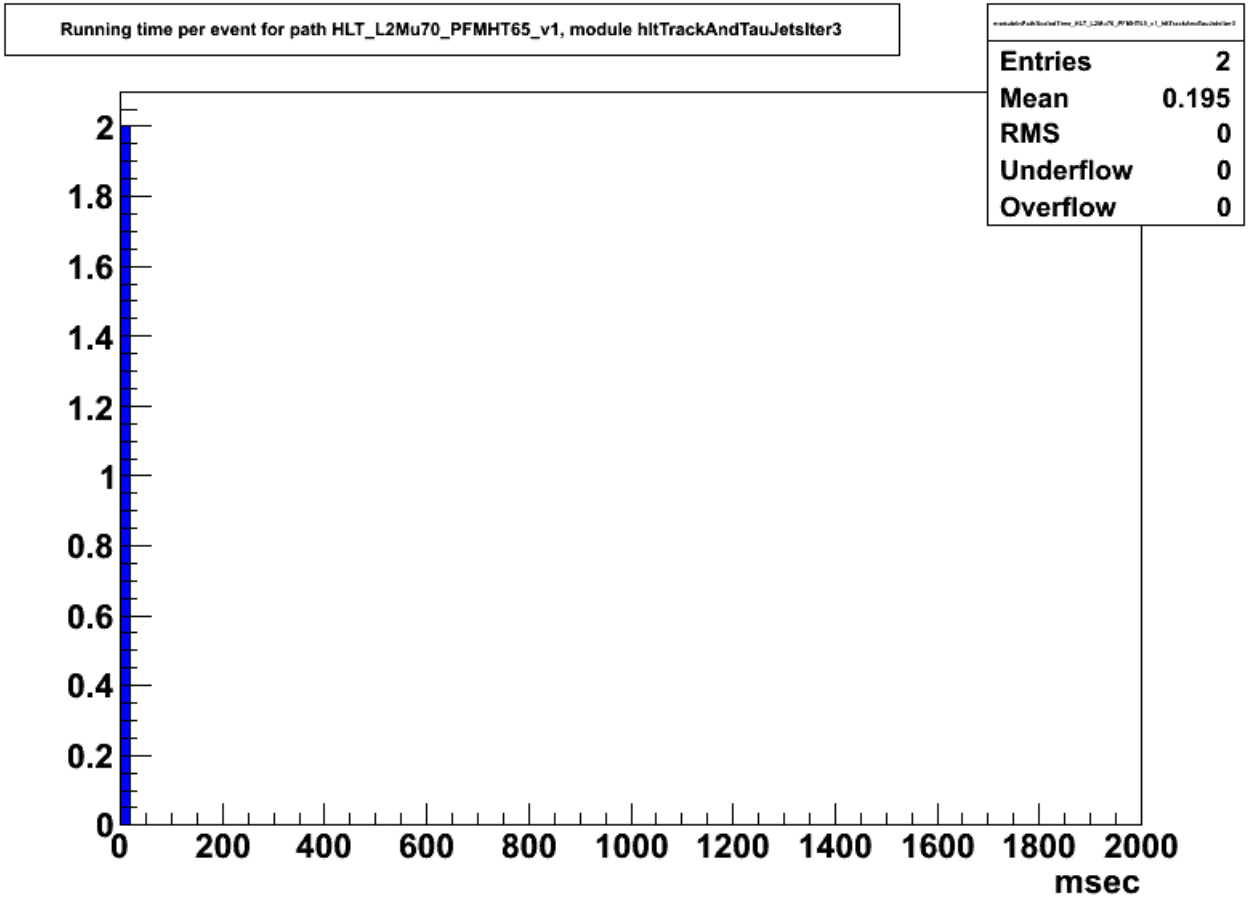
2.5.119 hltTrackRefsForJetsIter3



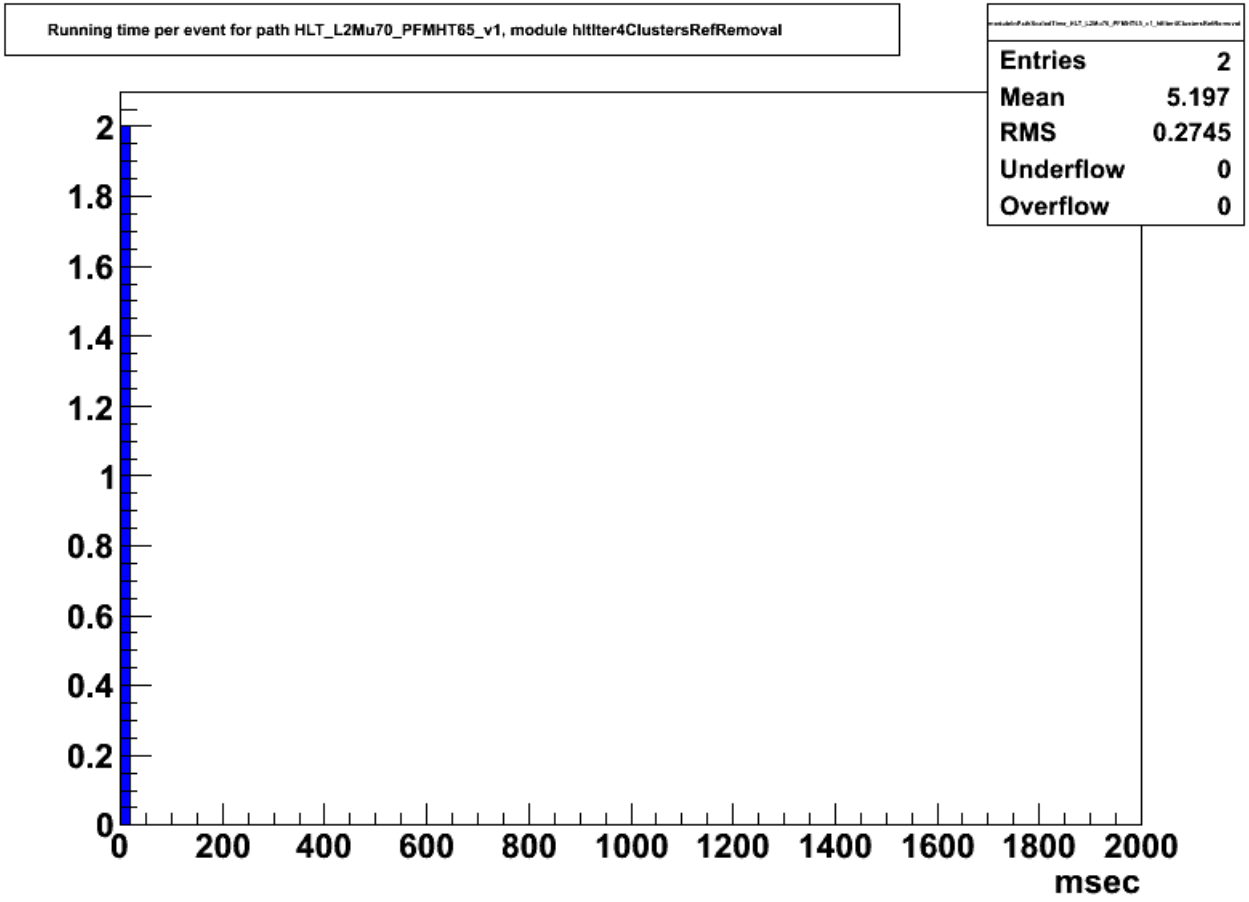
2.5.120 hltAntiKT5TrackJetsIter3



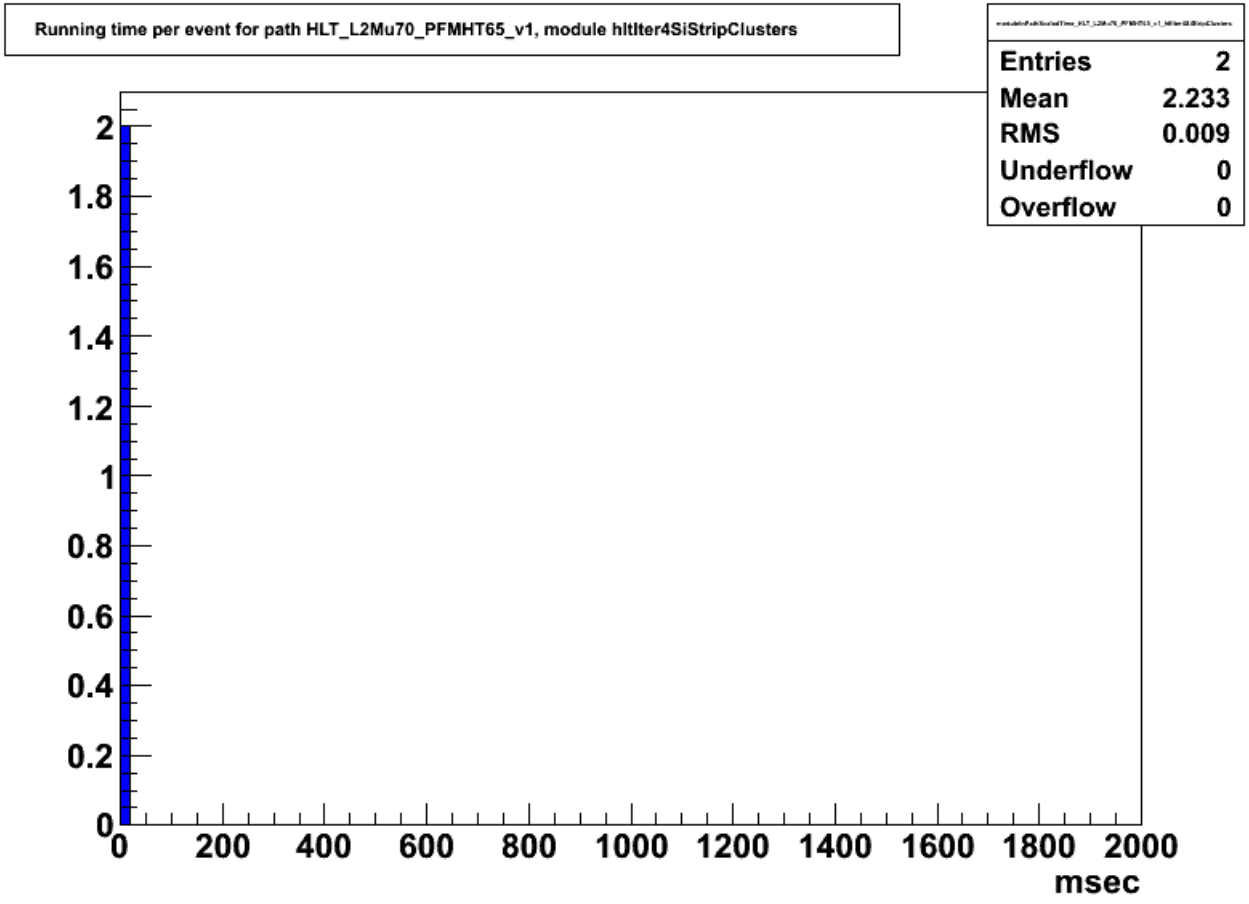
2.5.121 hltTrackAndTauJetsIter3



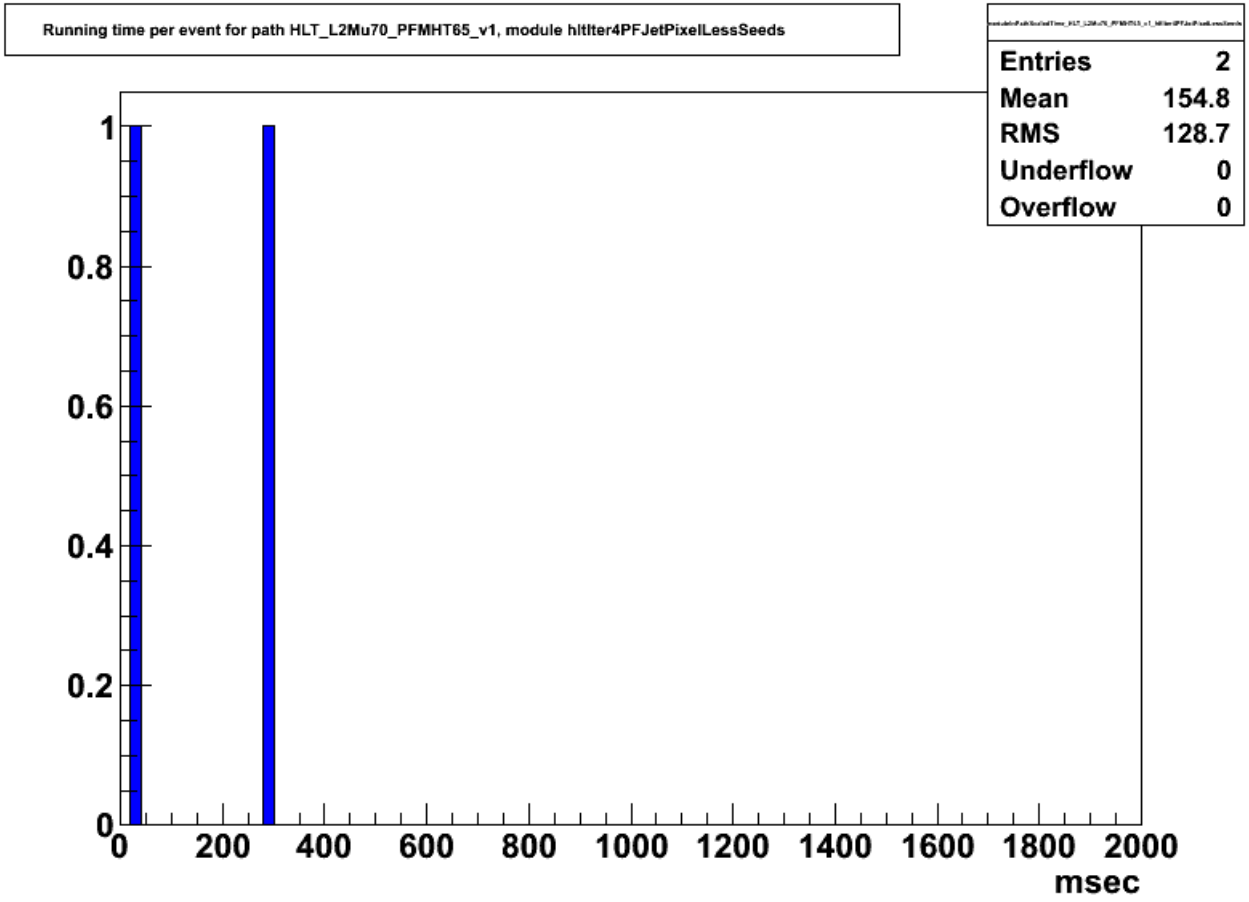
2.5.122 hltIter4ClustersRefRemoval



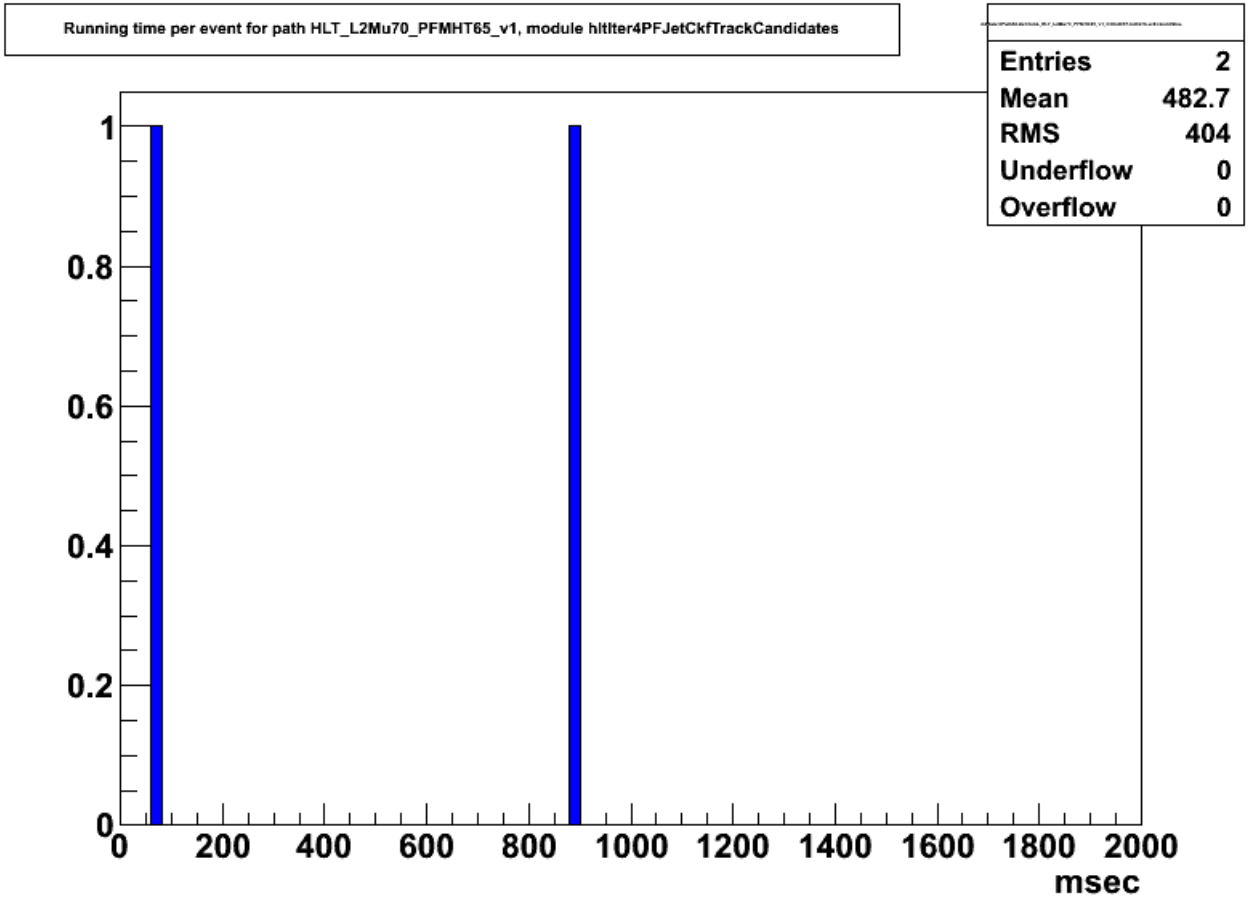
2.5.123 hltIter4SiStripClusters



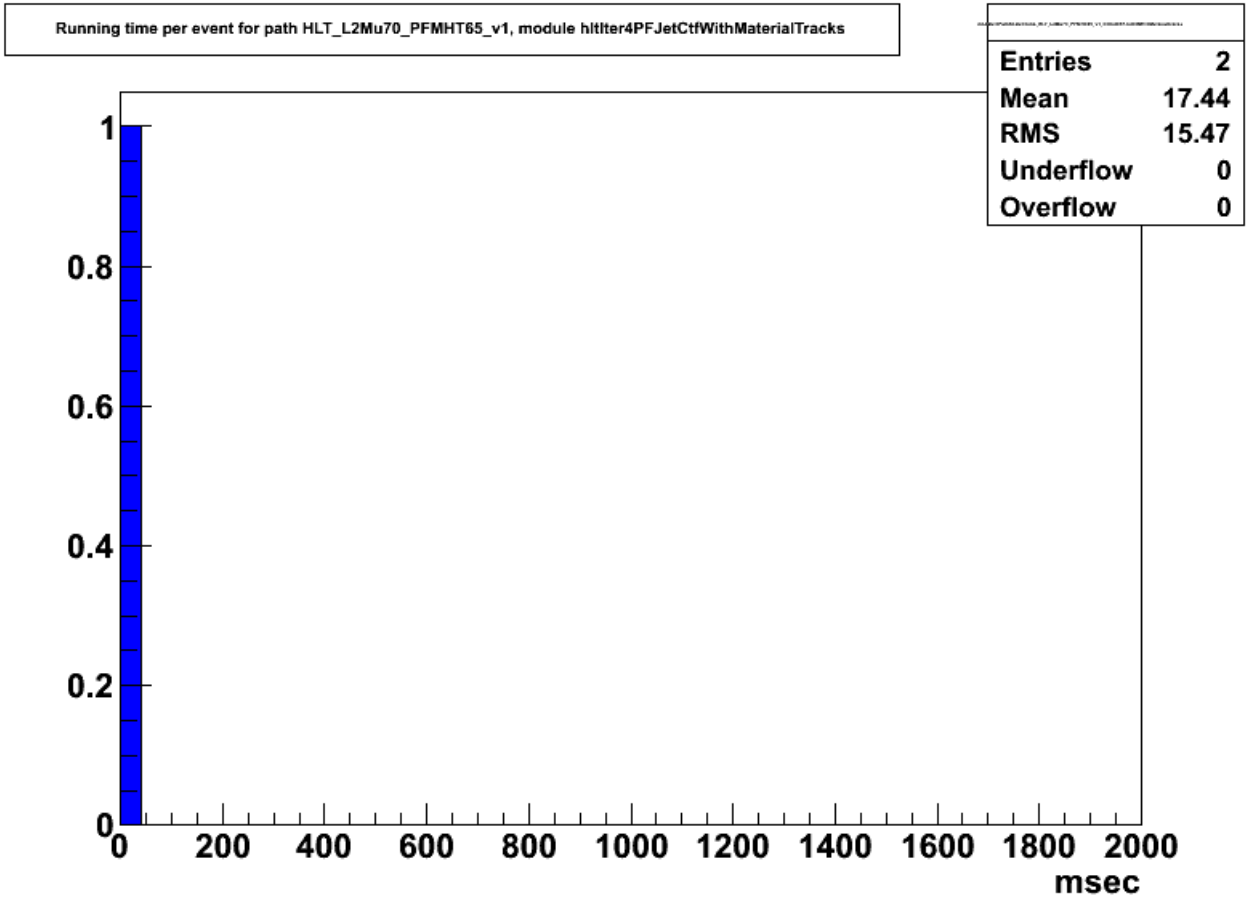
2.5.124 hltIter4PFJetPixelLessSeeds



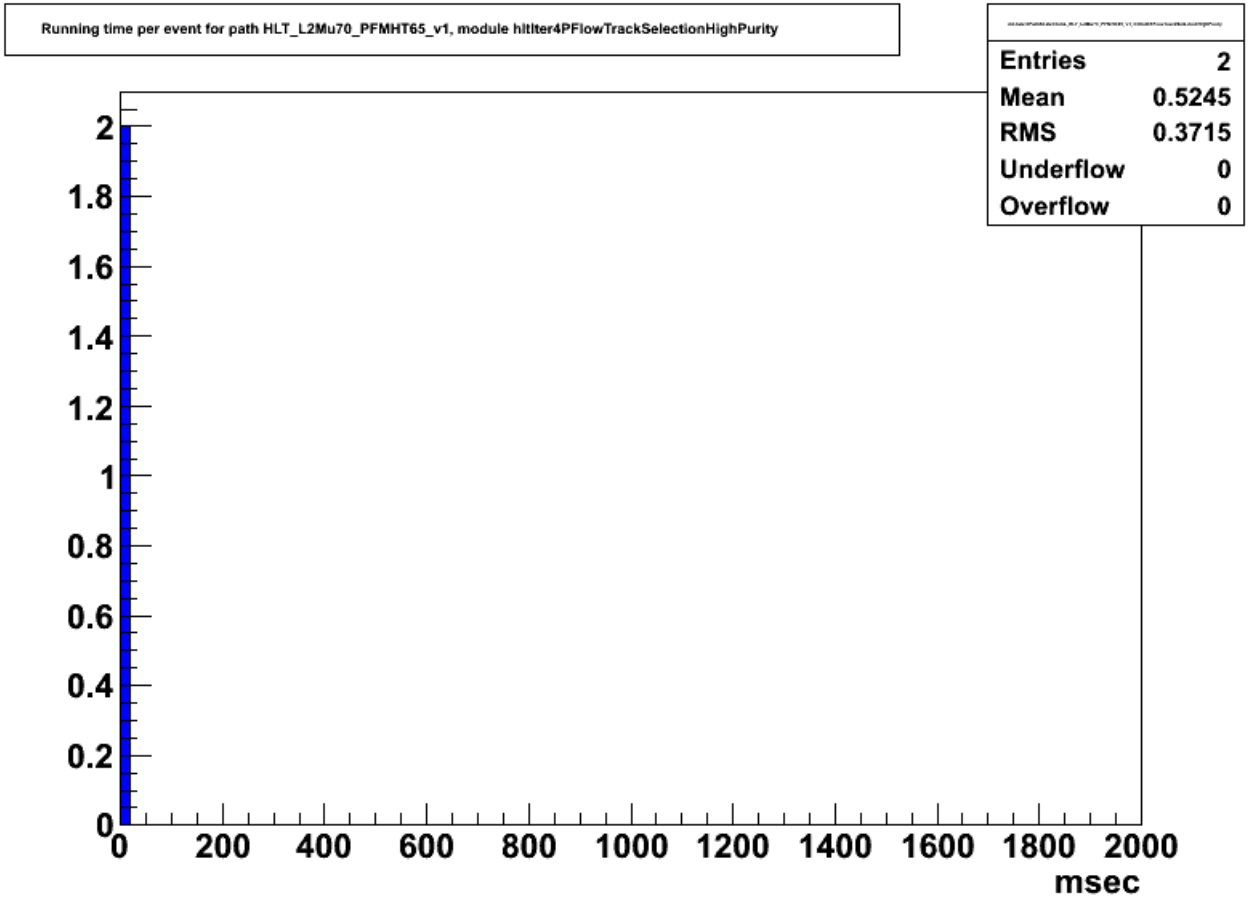
2.5.125 hltIter4PFJetCkfTrackCandidates



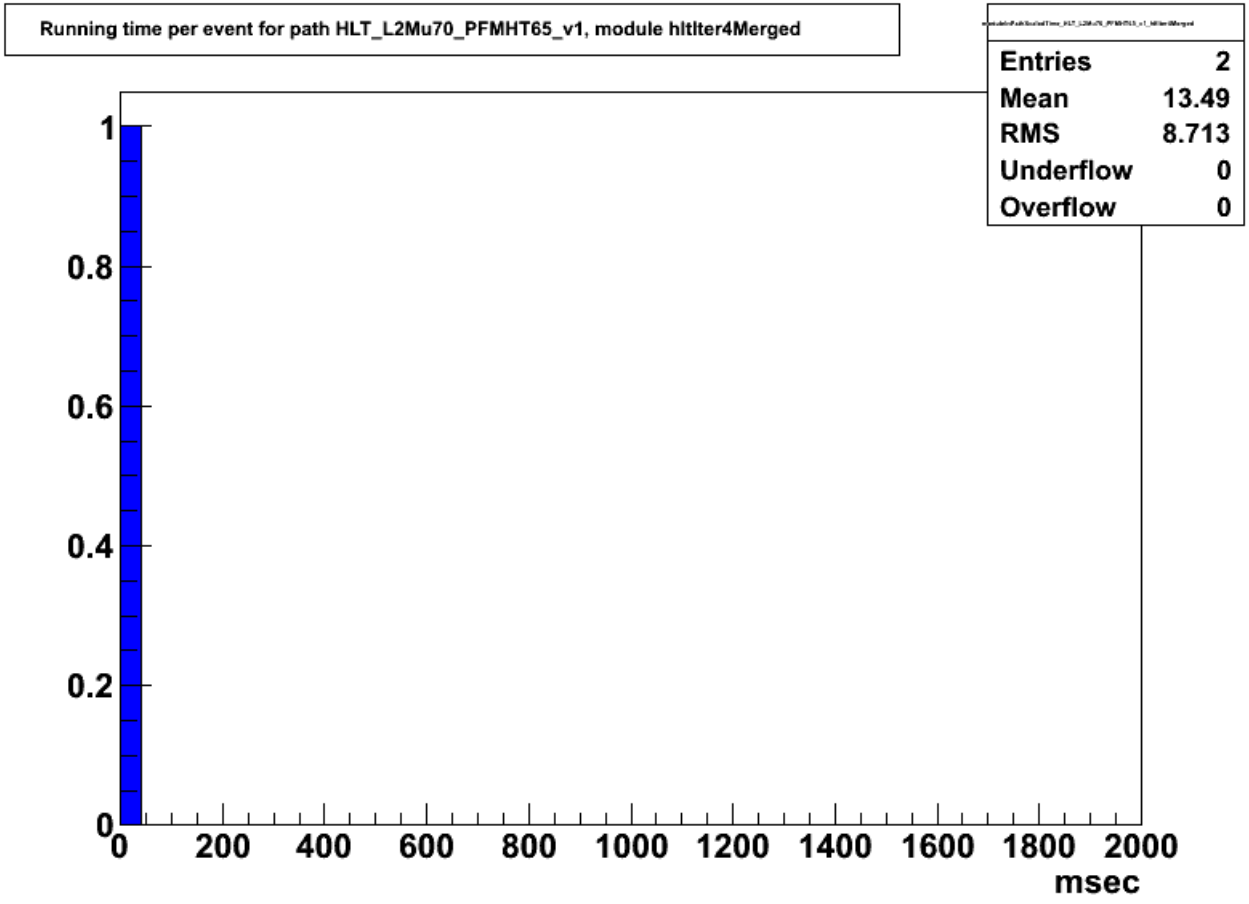
2.5.126 hltIter4PFJetCtfWithMaterialTracks



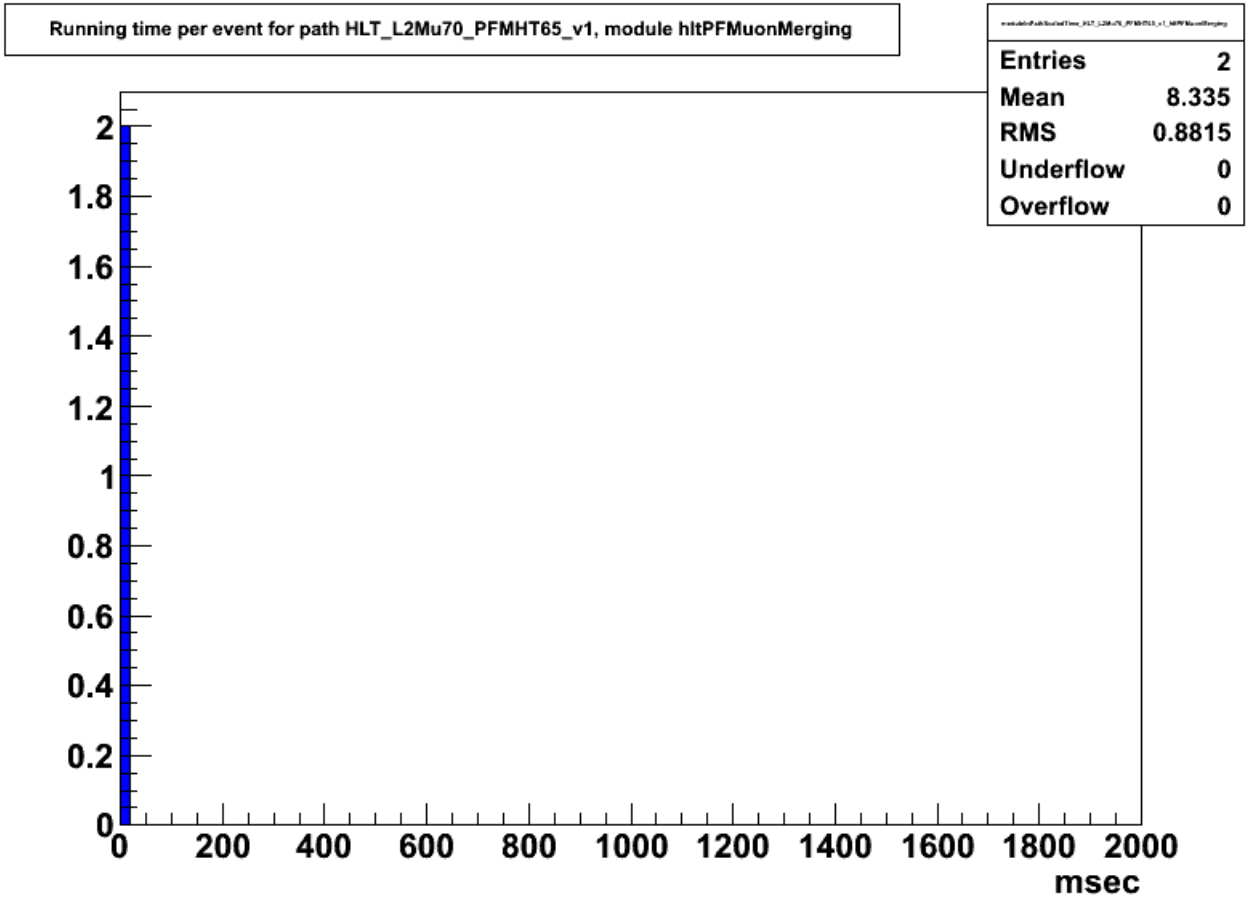
2.5.127 hltIter4PFlowTrackSelectionHighPurity



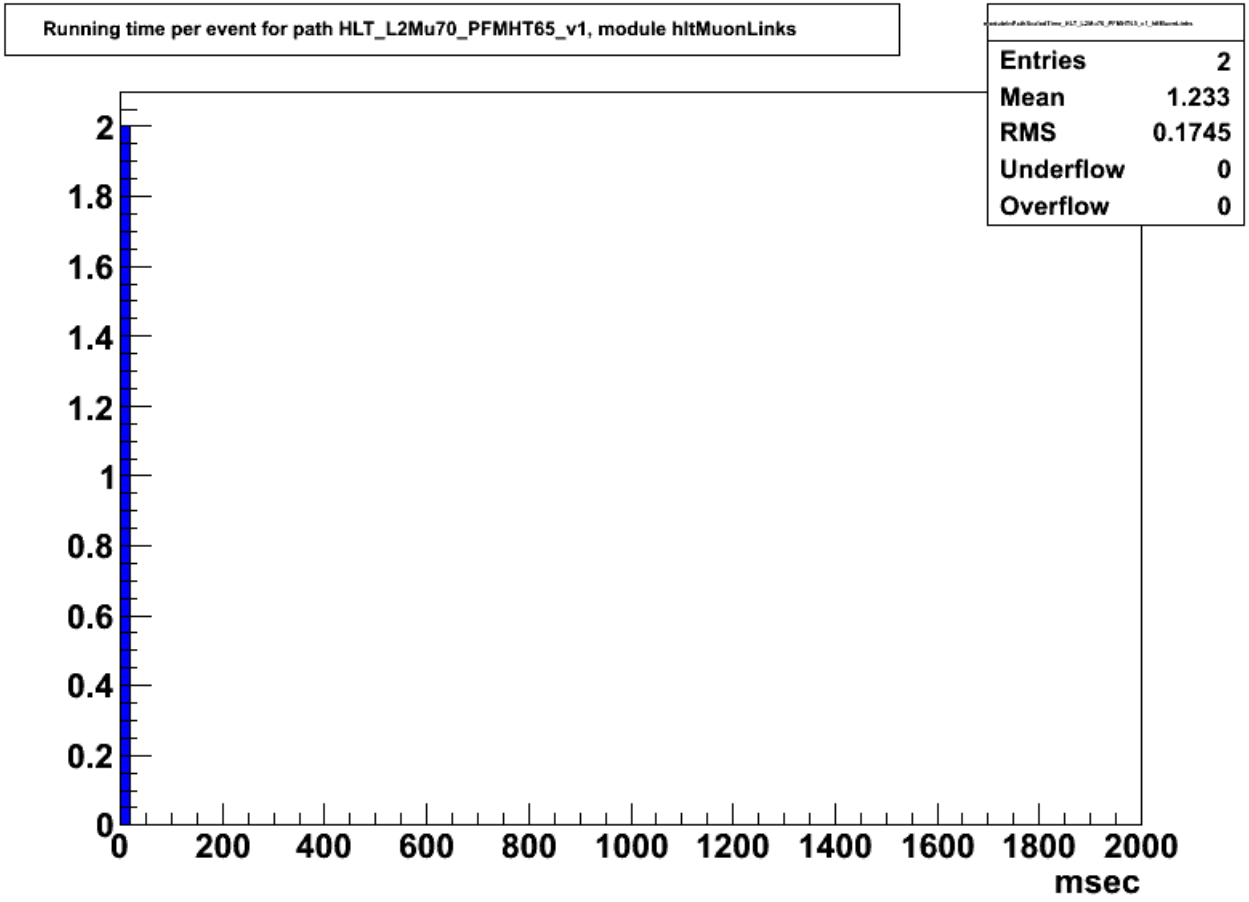
2.5.128 hltIter4Merged



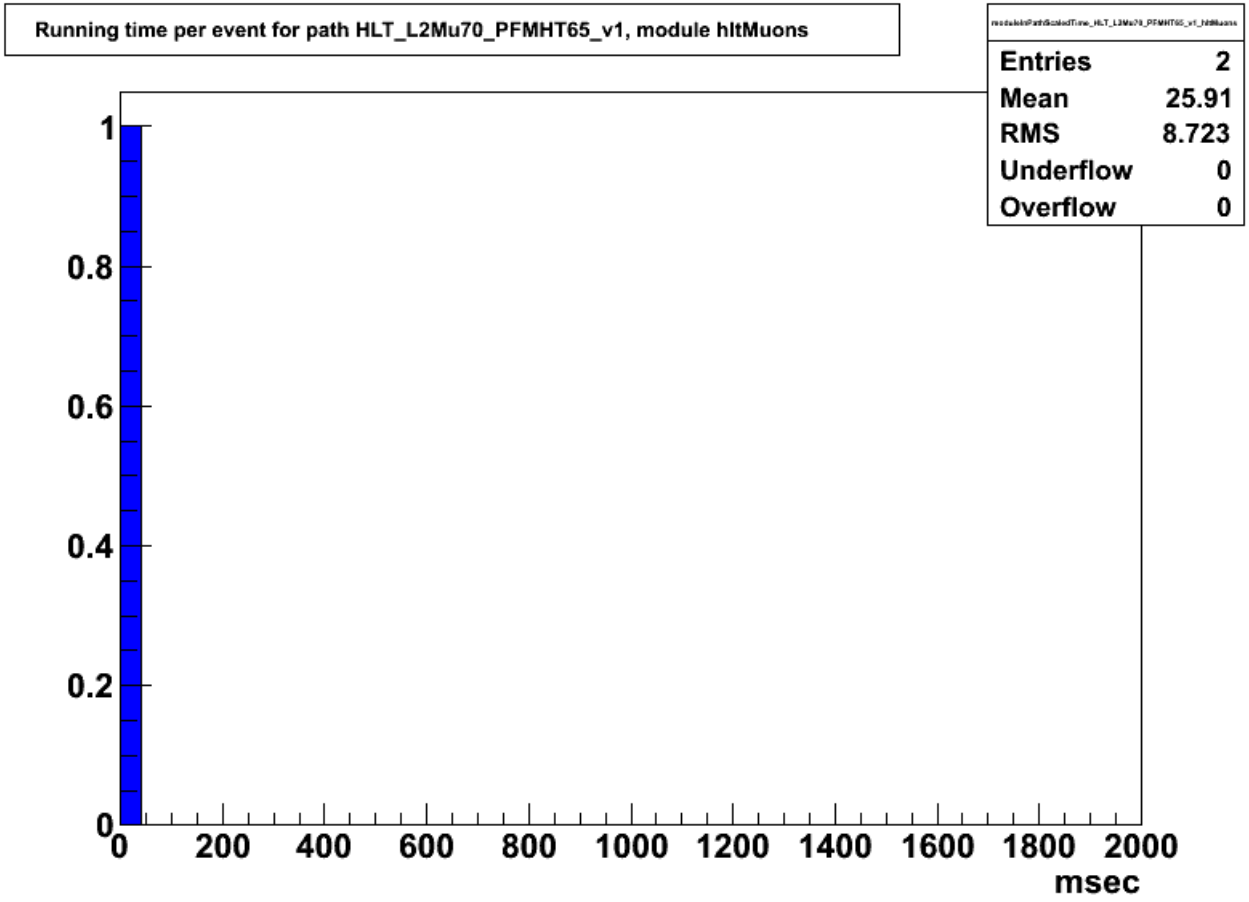
2.5.129 hltPFMuonMerging



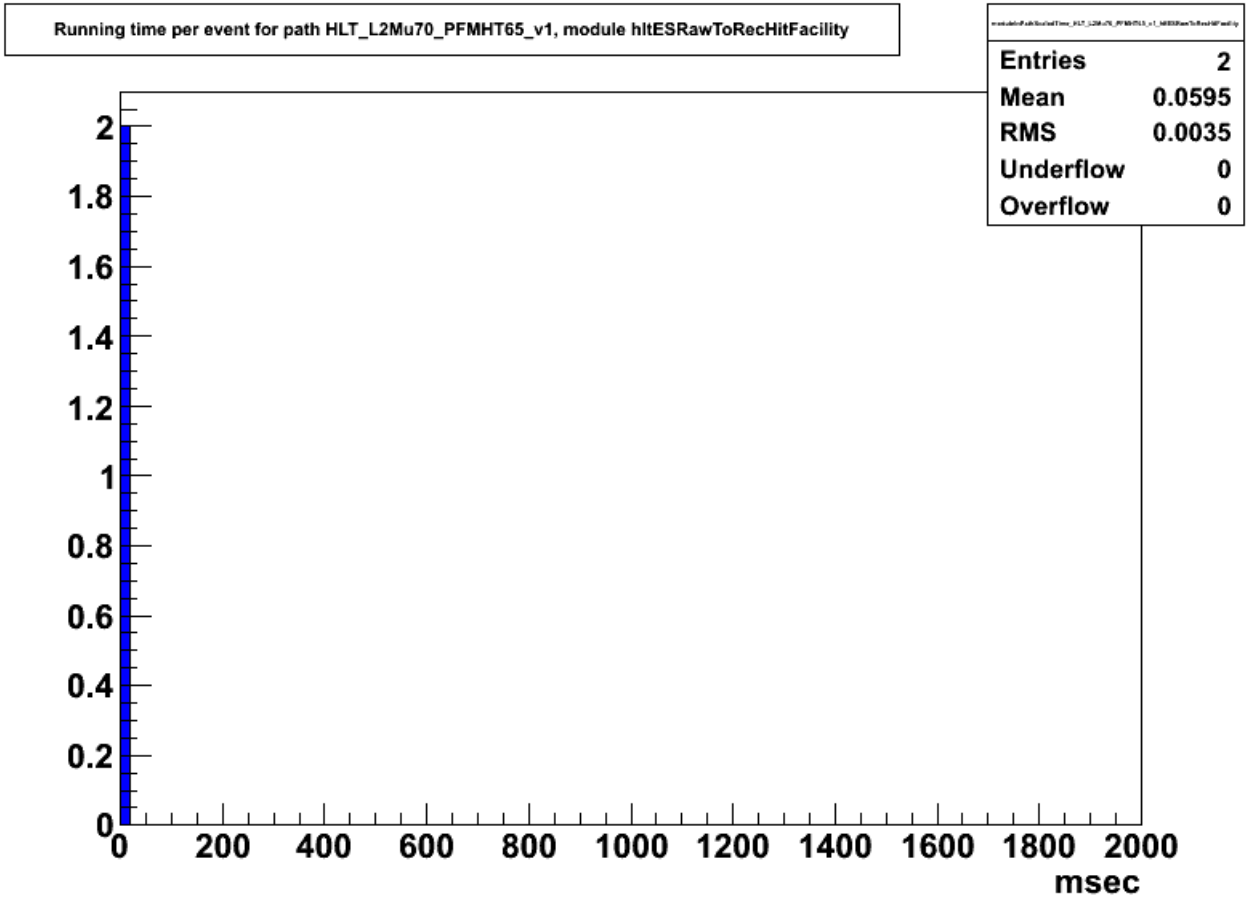
2.5.130 hltMuonLinks



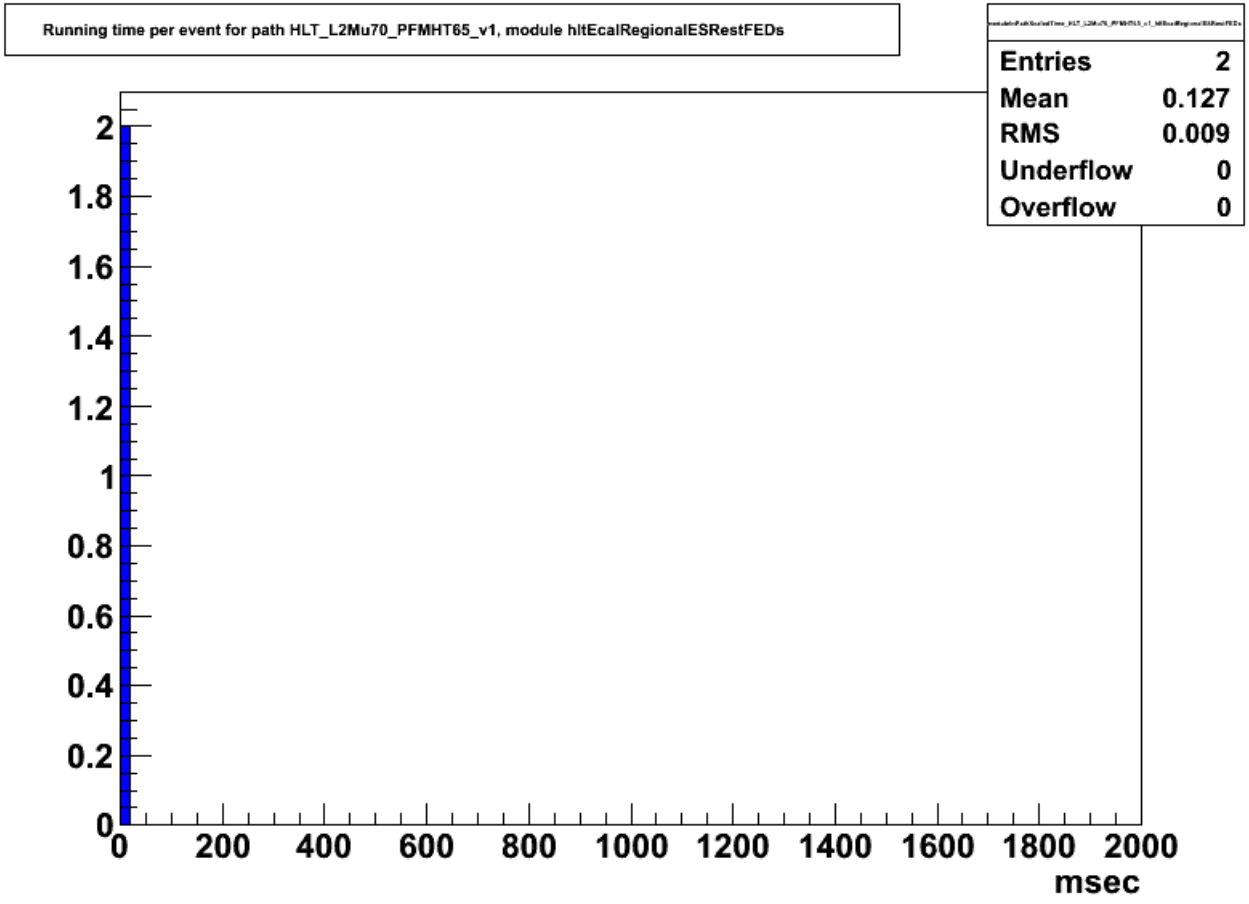
2.5.131 hltMuons



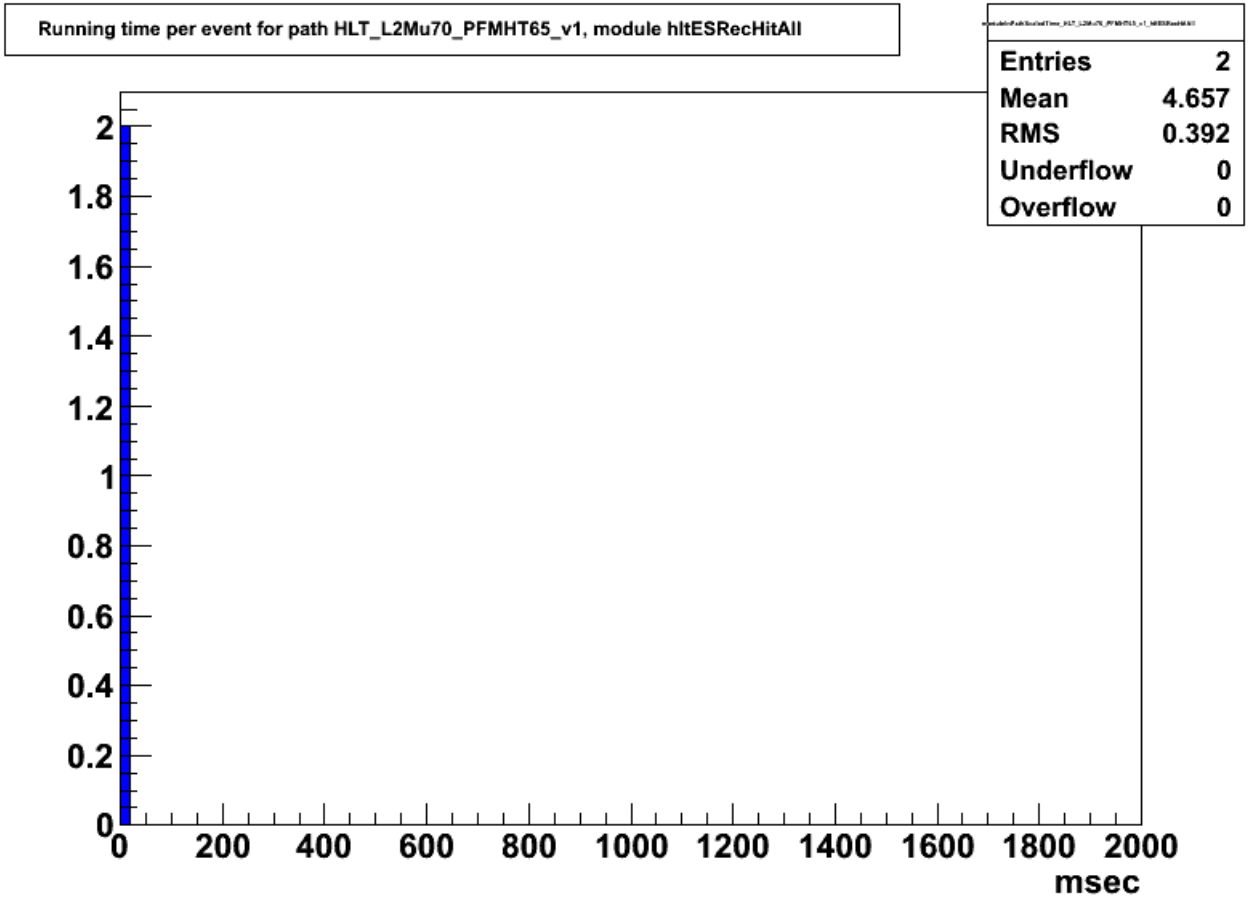
2.5.132 hltESRawToRecHitFacility



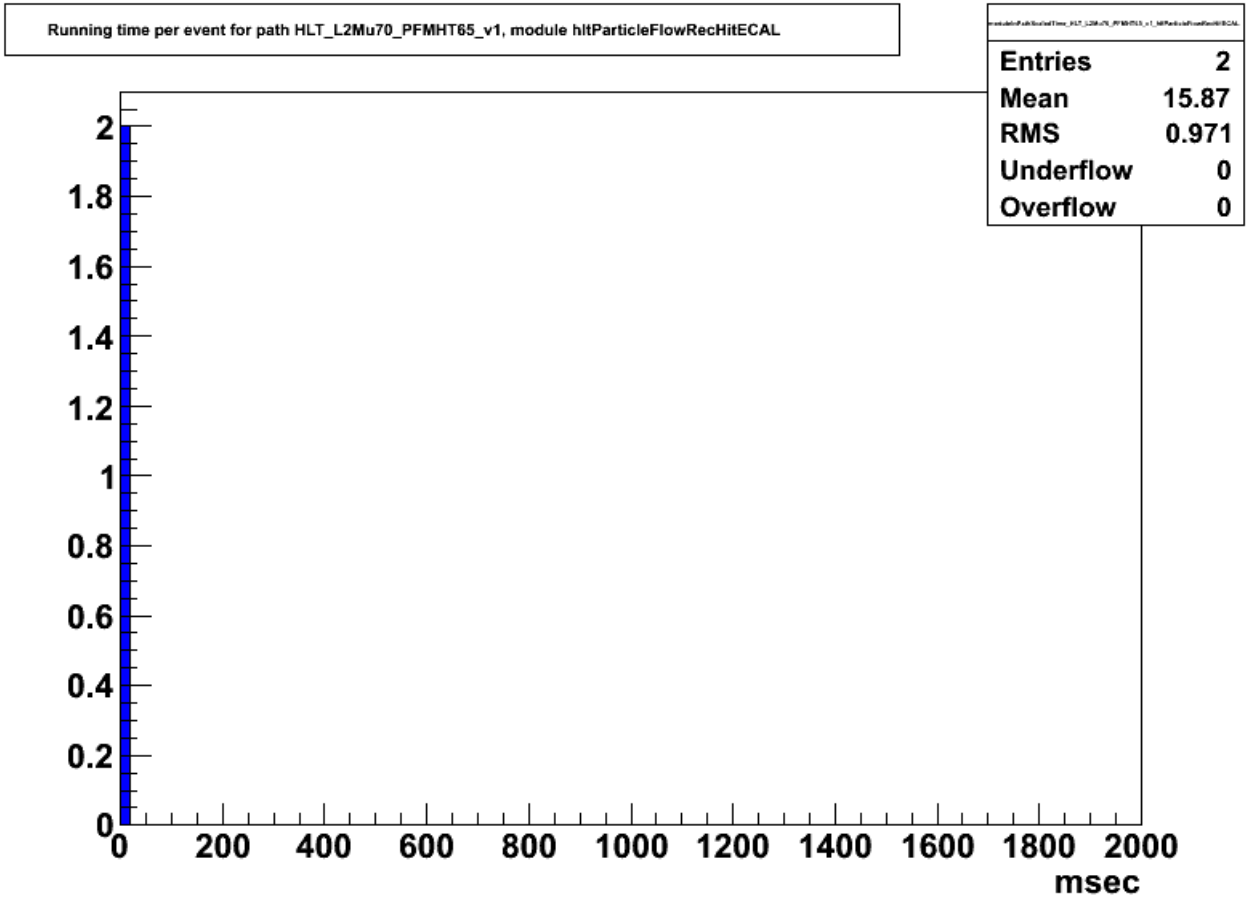
2.5.133 hltEcalRegionalESRestFEDs



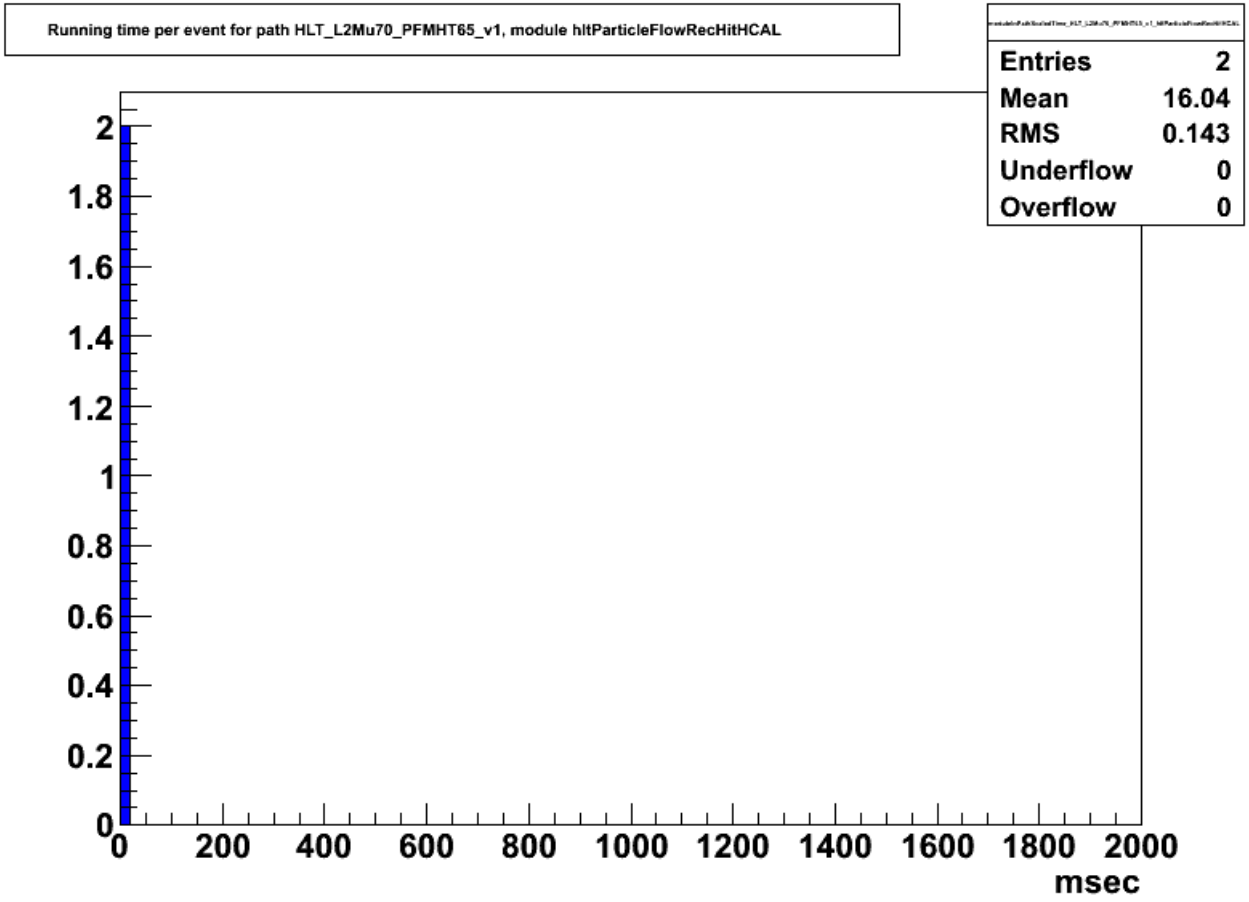
2.5.134 hltESRecHitAll



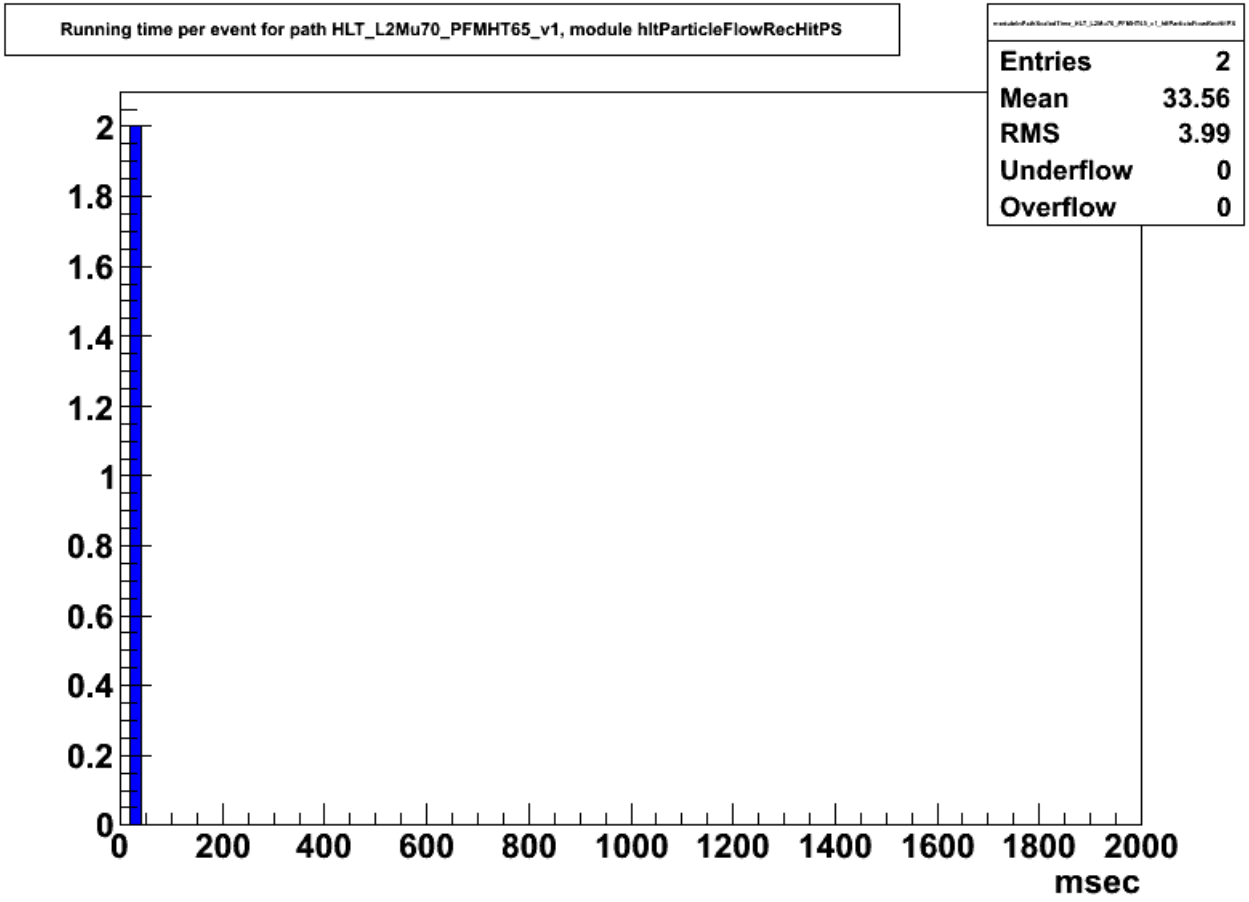
2.5.135 hltParticleFlowRecHitECAL



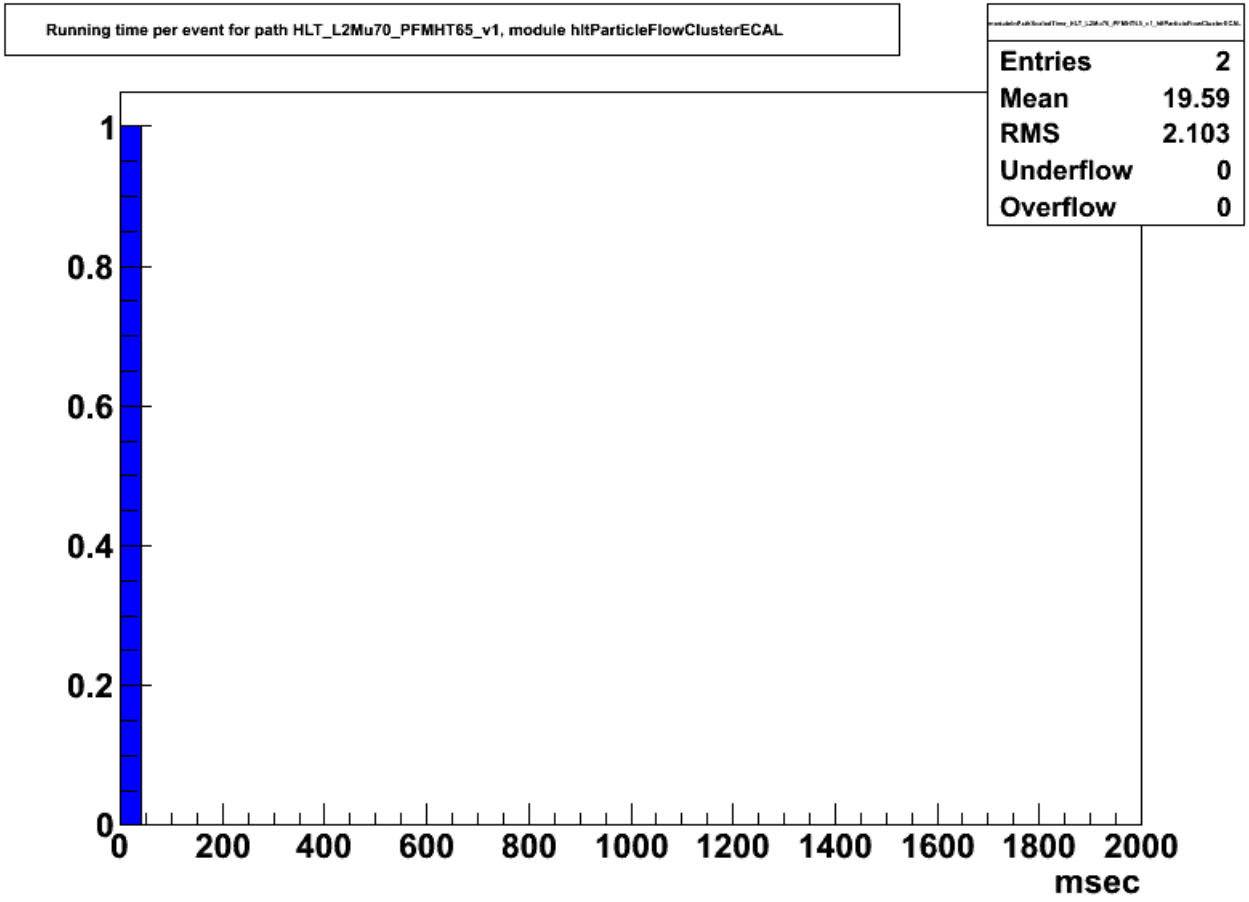
2.5.136 hltParticleFlowRecHitHCAL



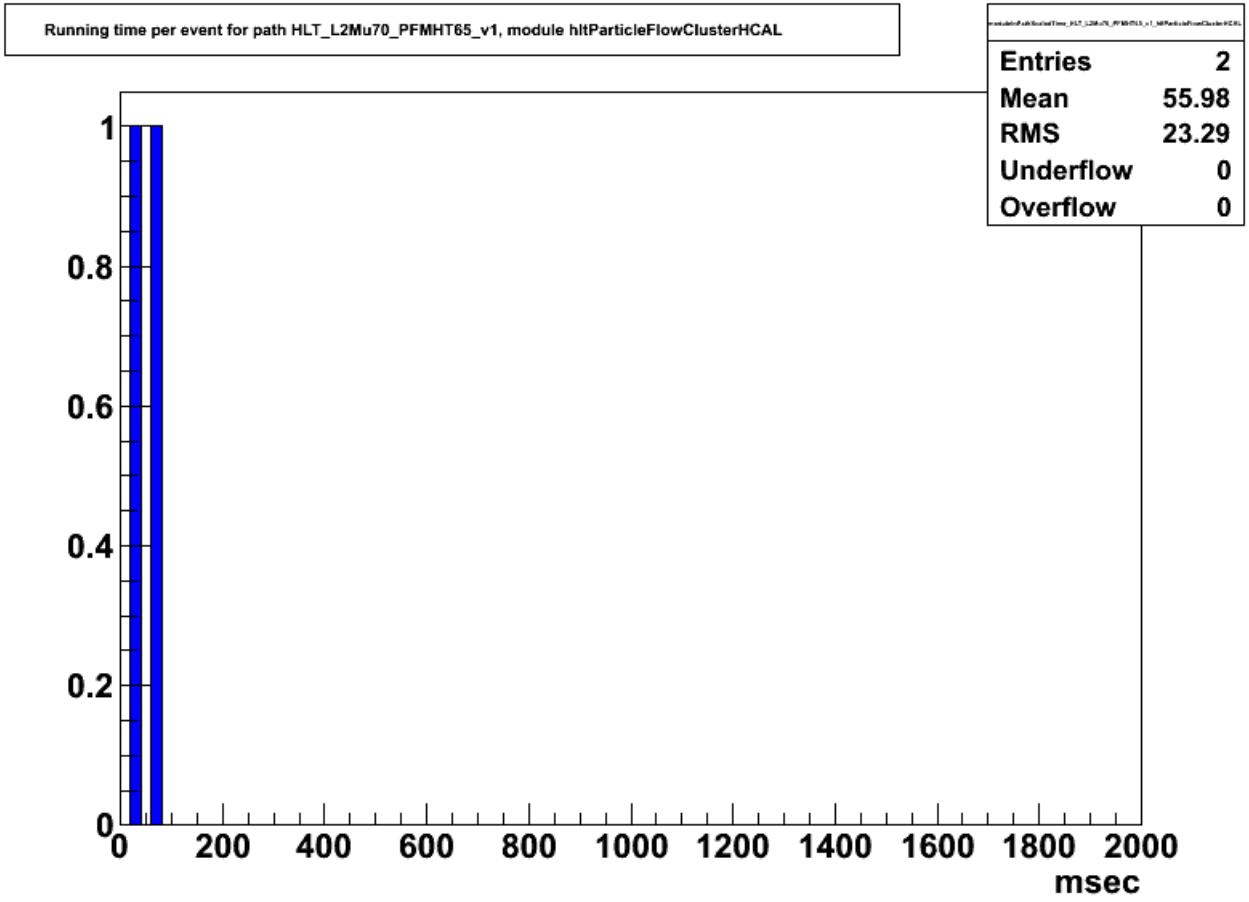
2.5.137 hltParticleFlowRecHitPS



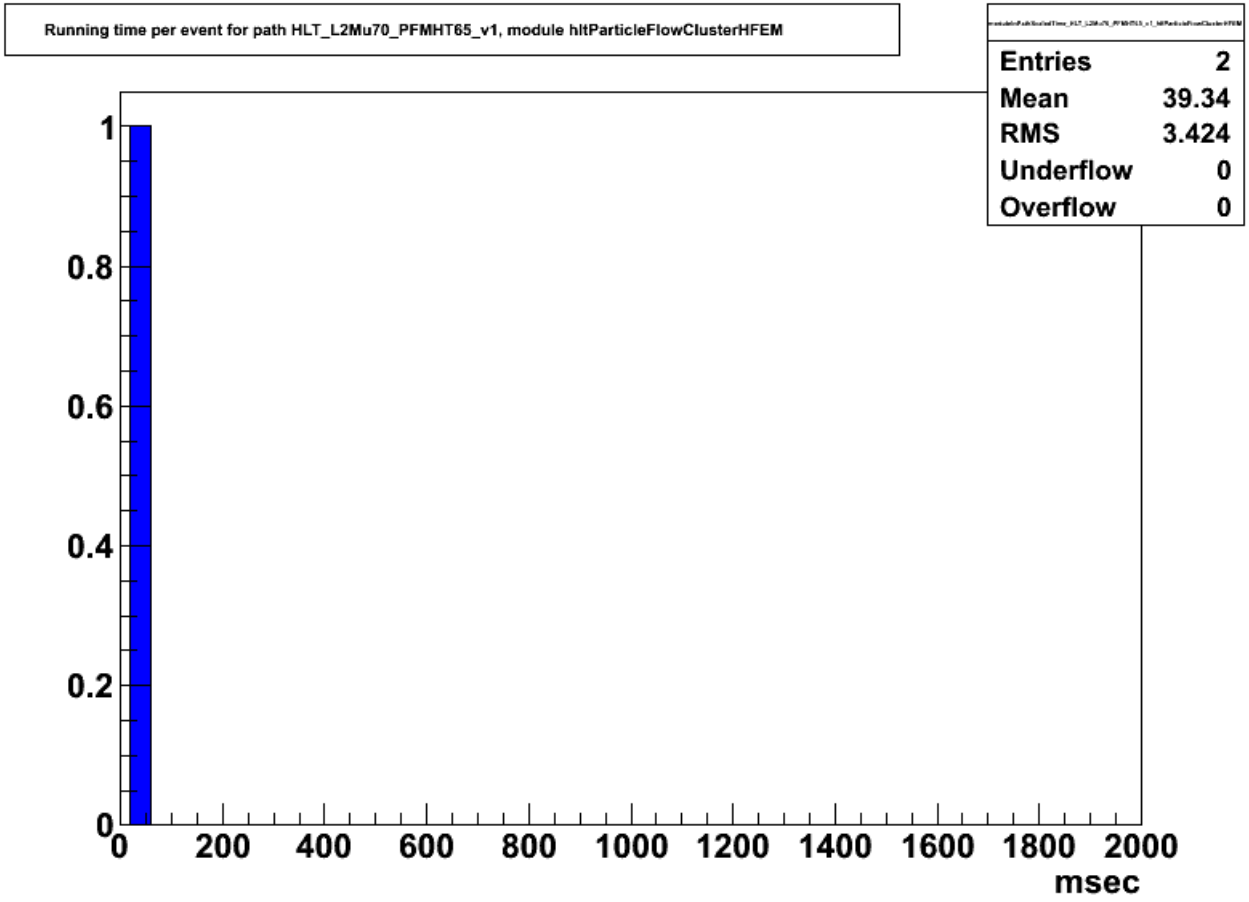
2.5.138 hltParticleFlowClusterECAL



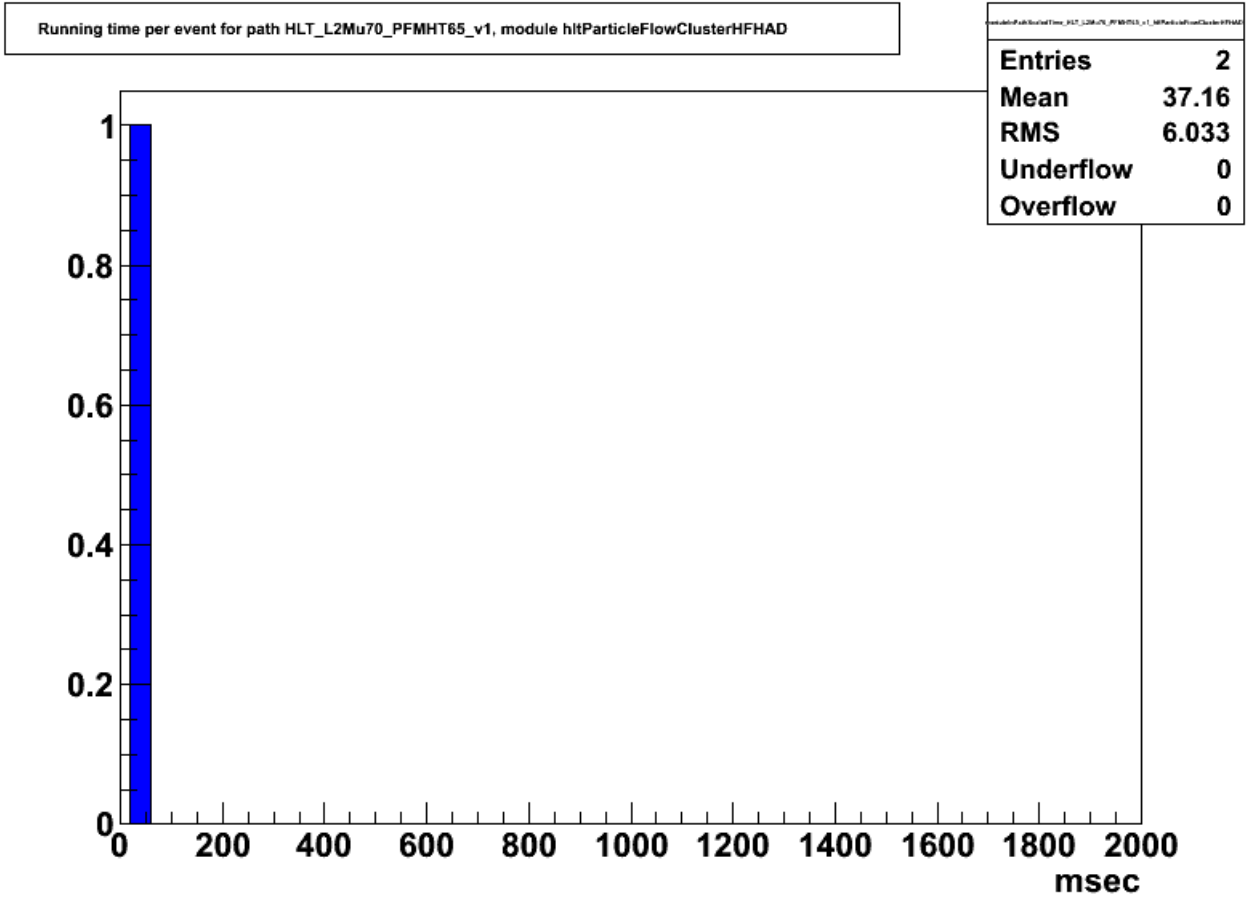
2.5.139 hltParticleFlowClusterHCAL



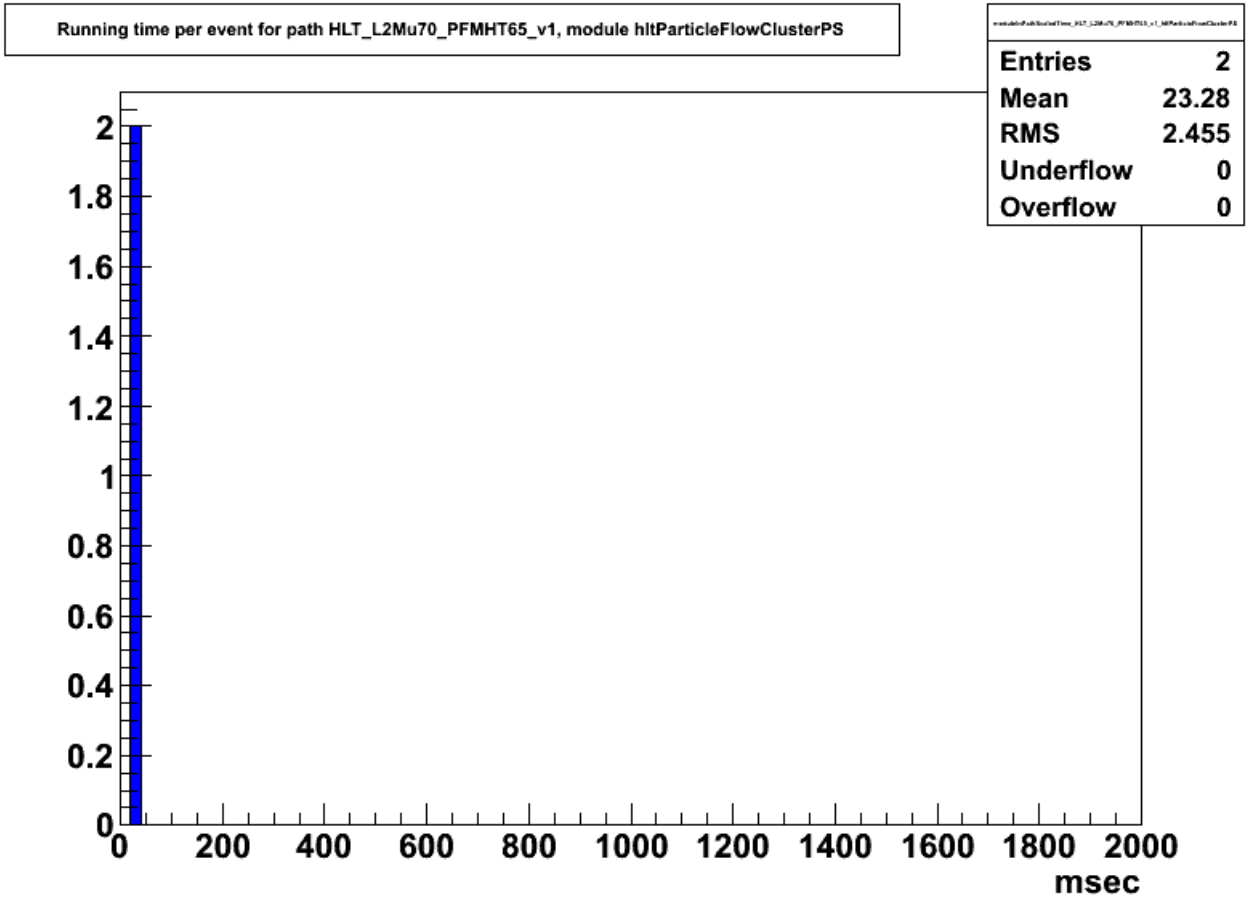
2.5.140 hltParticleFlowClusterHFEM



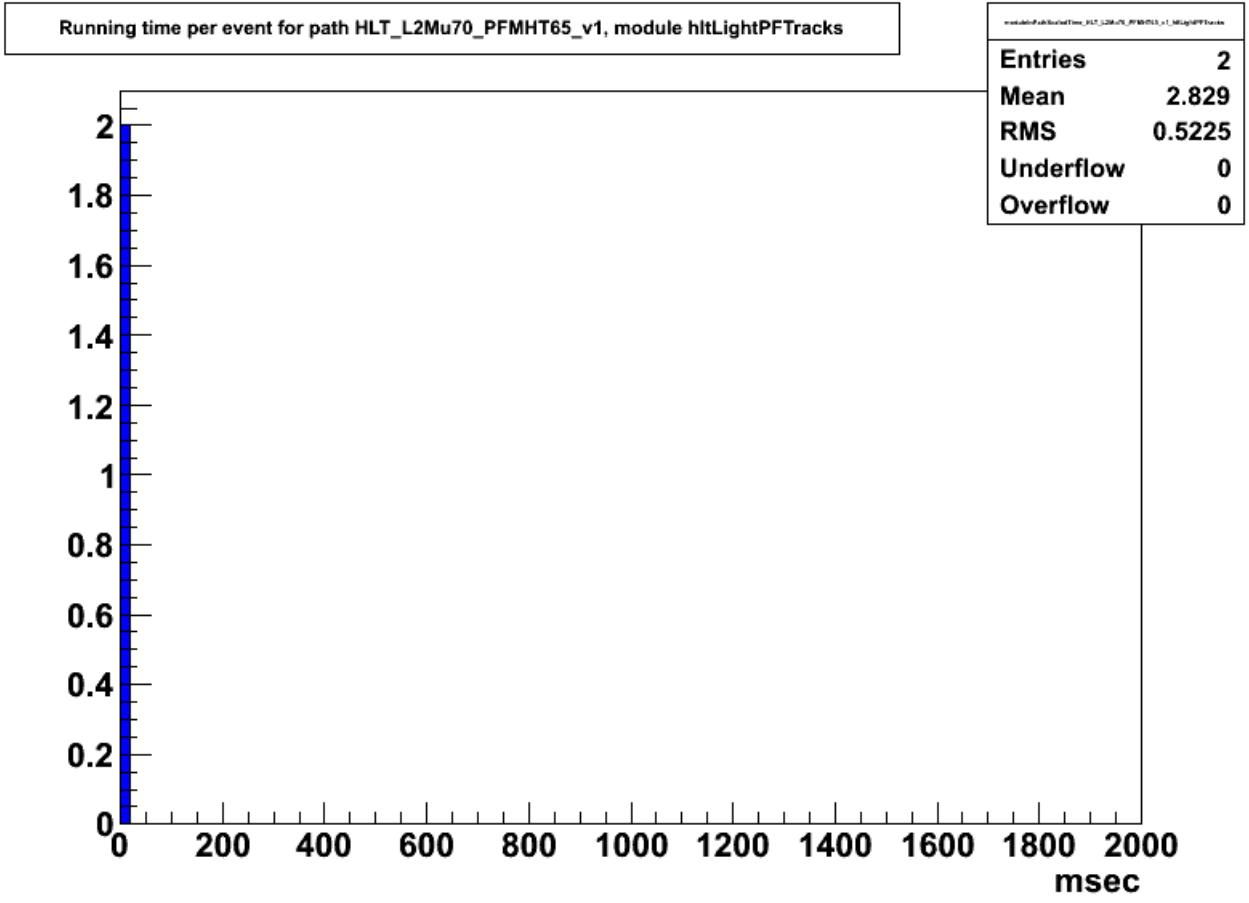
2.5.141 hltParticleFlowClusterHFHAD



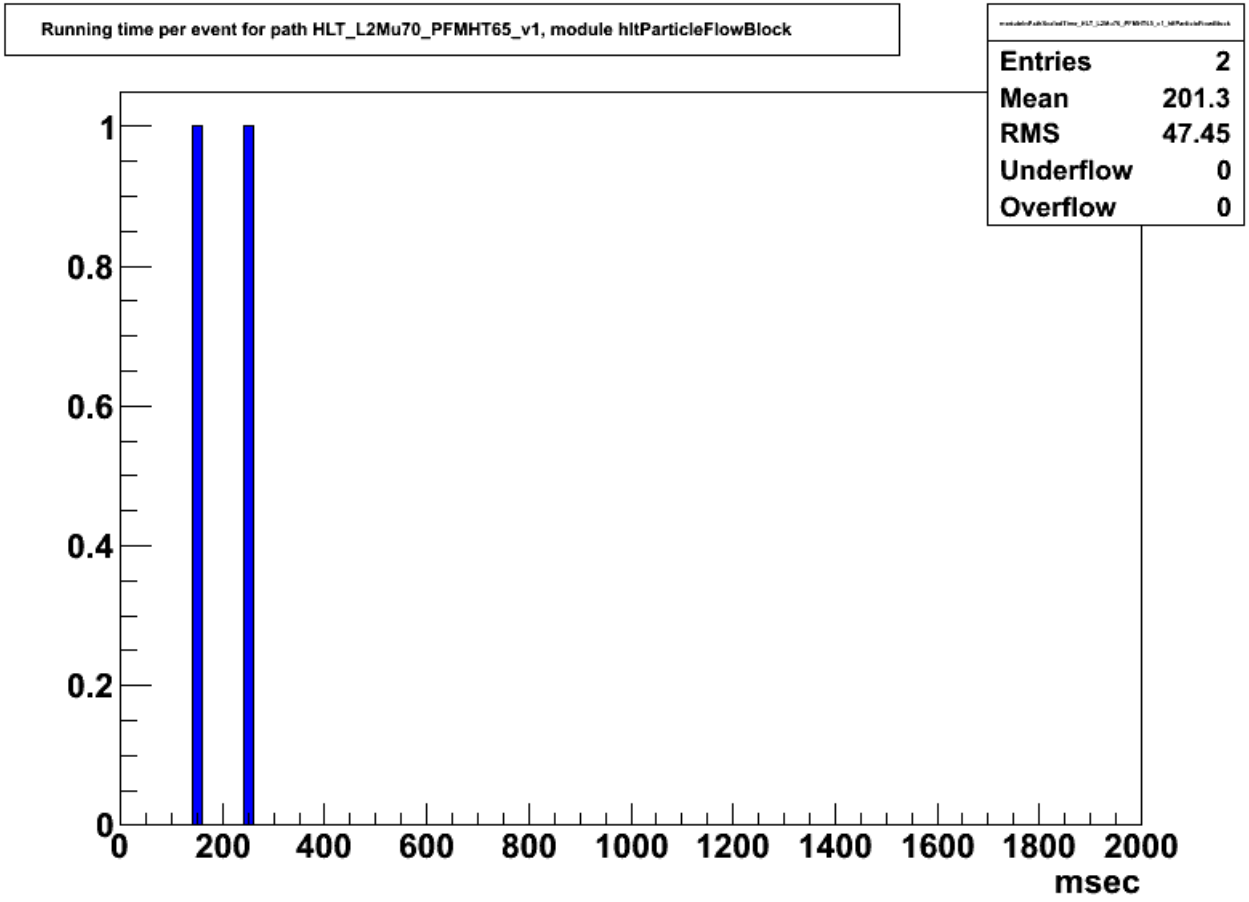
2.5.142 hltParticleFlowClusterPS



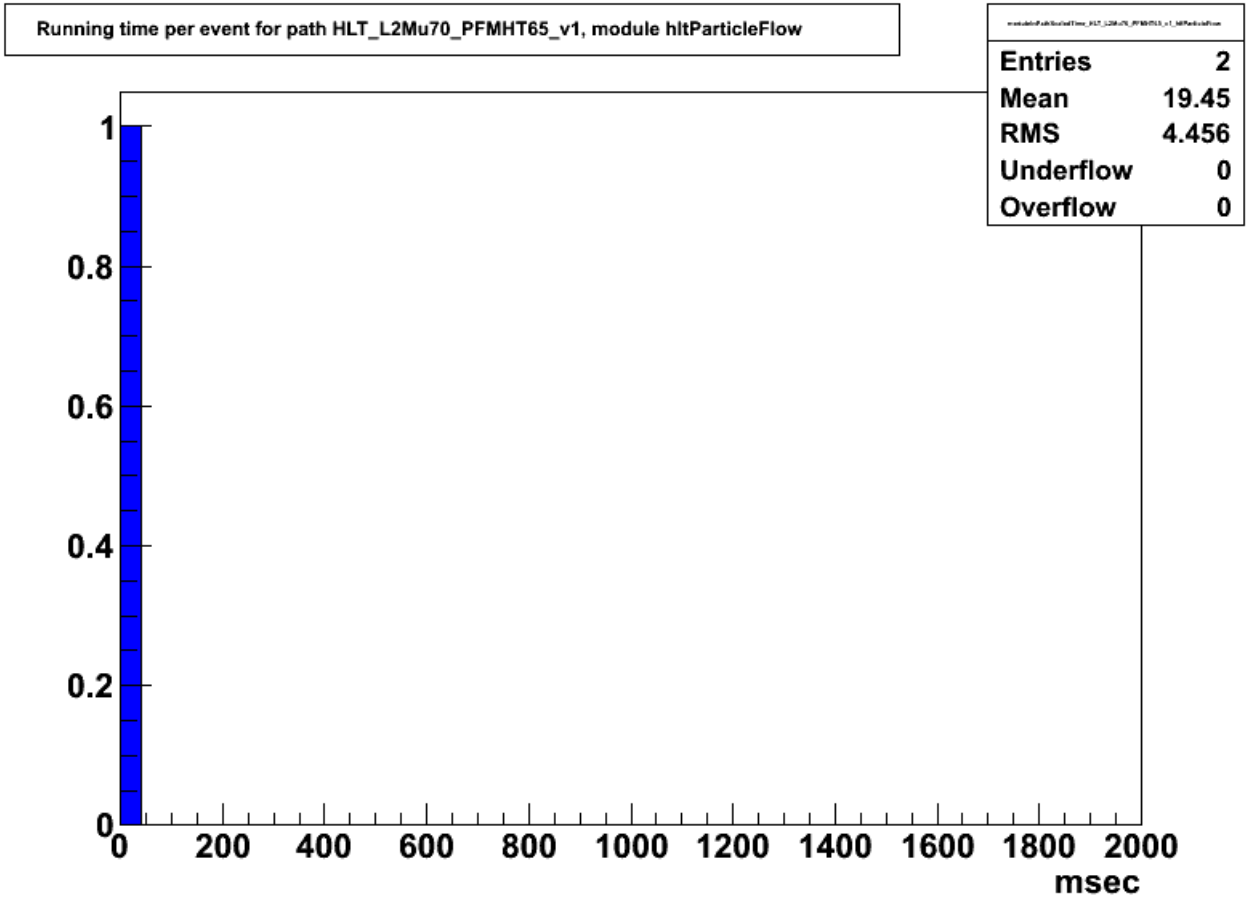
2.5.143 hltLightPFTracks



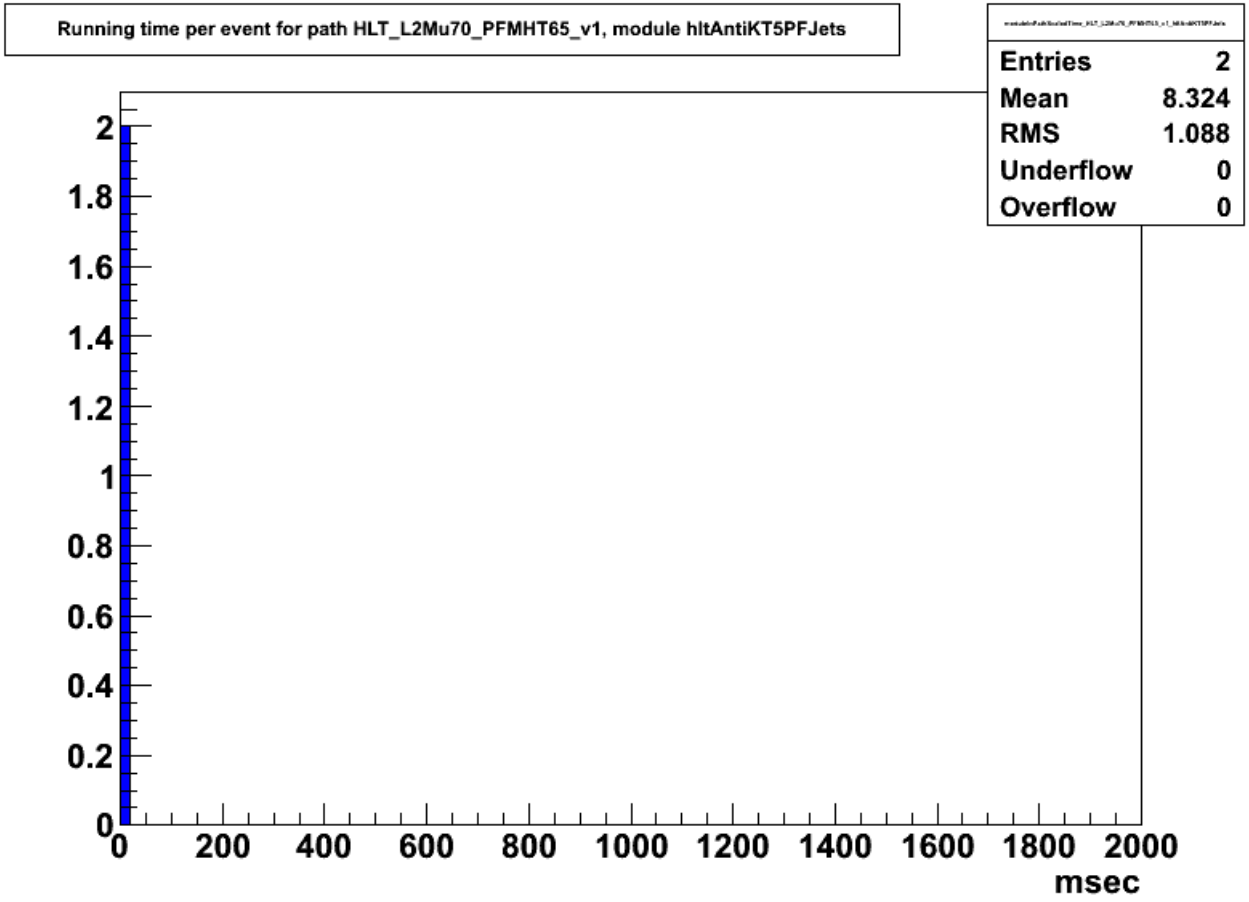
2.5.144 hltParticleFlowBlock



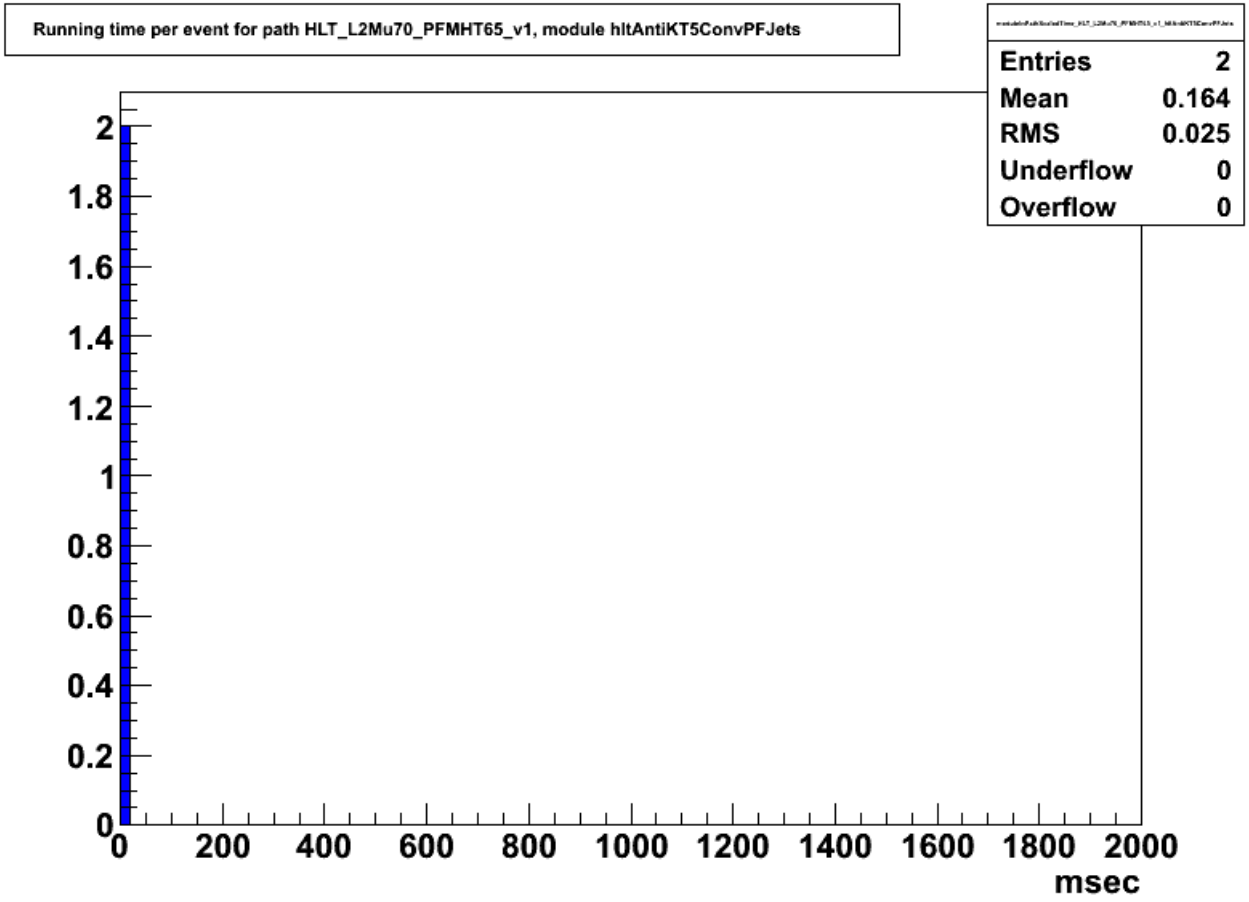
2.5.145 hltParticleFlow



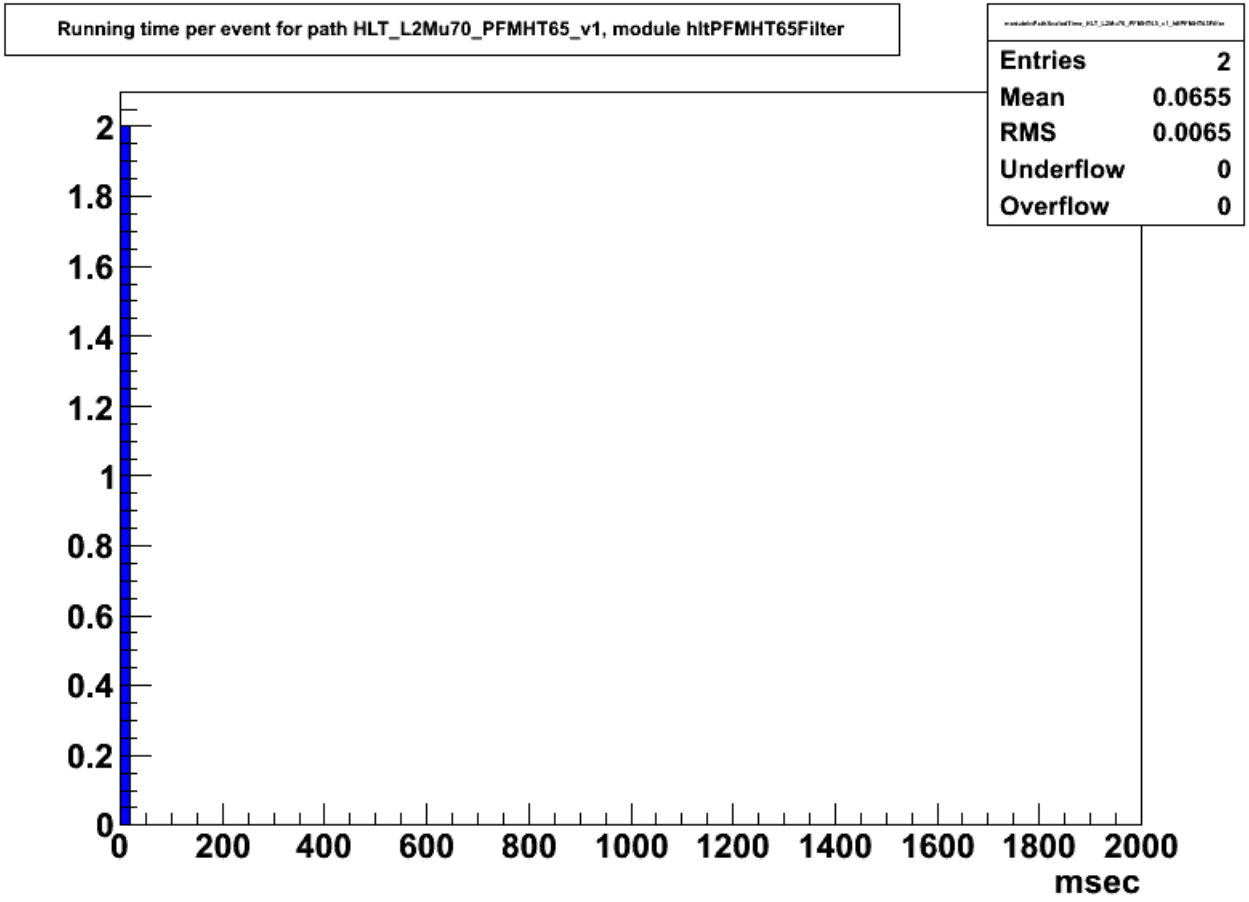
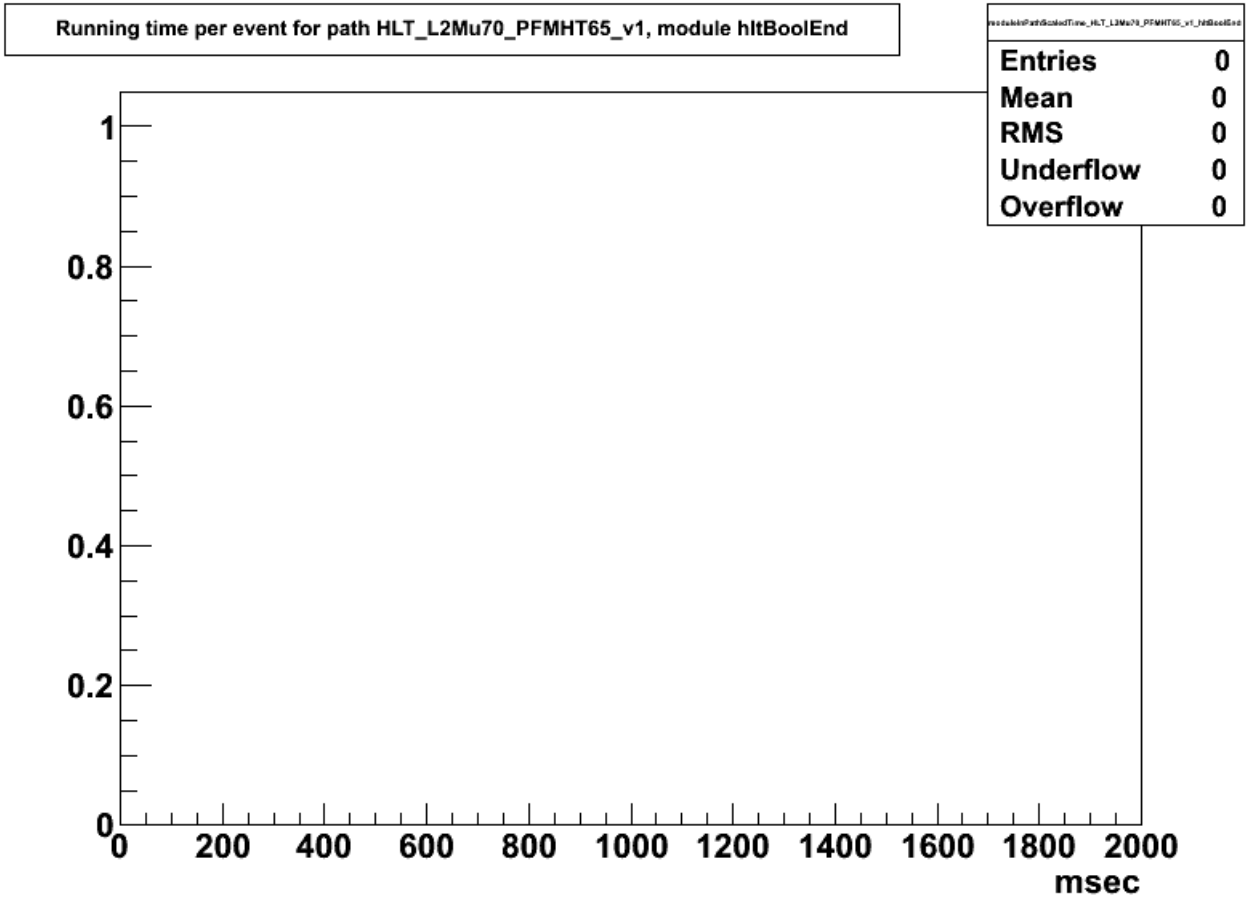
2.5.146 hltAntiKT5PFJets



2.5.147 hltAntiKT5ConvPFJets



2.5.148 hltPFMHT65Filter



2.5.149 hltBoolEnd