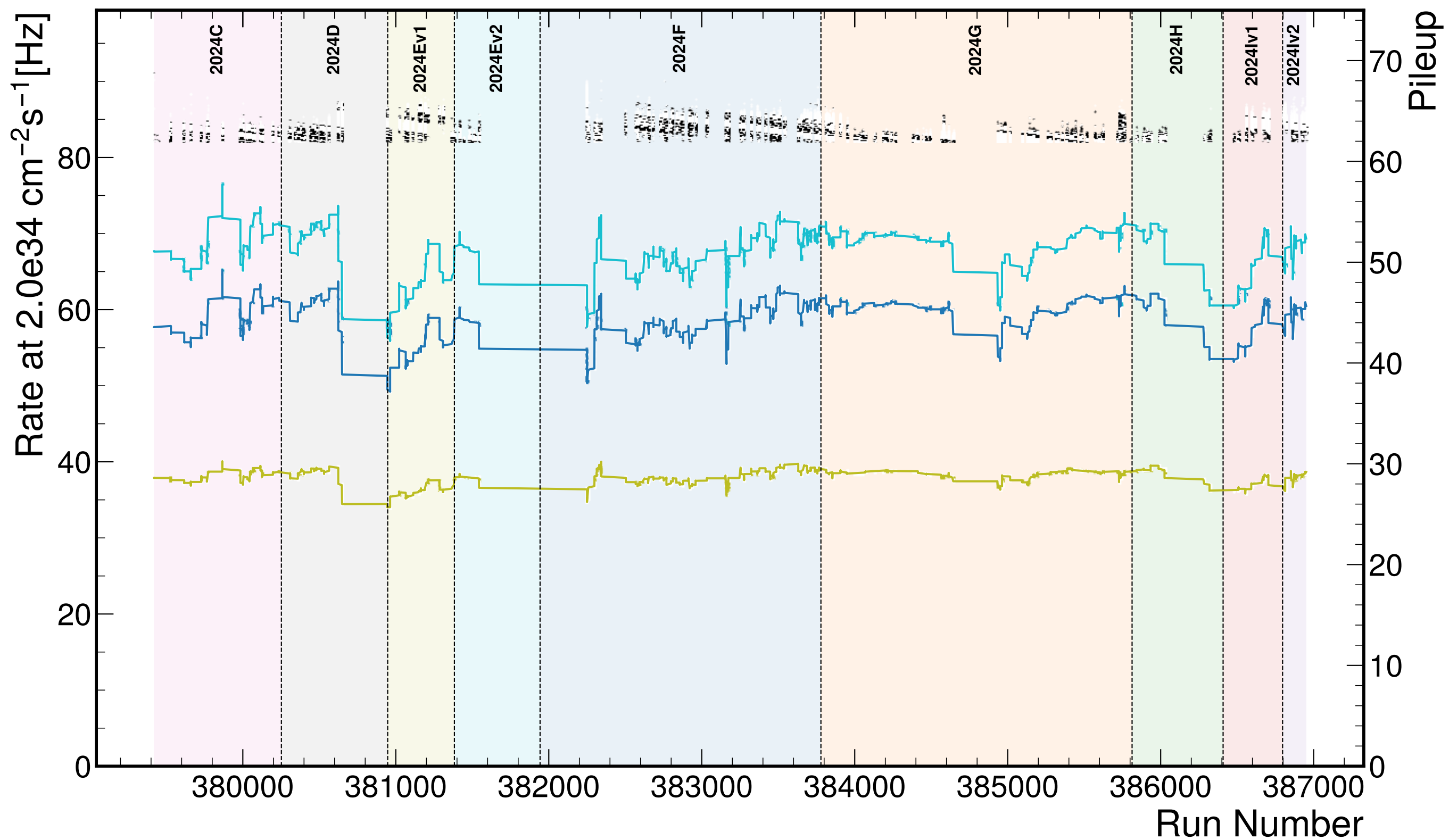


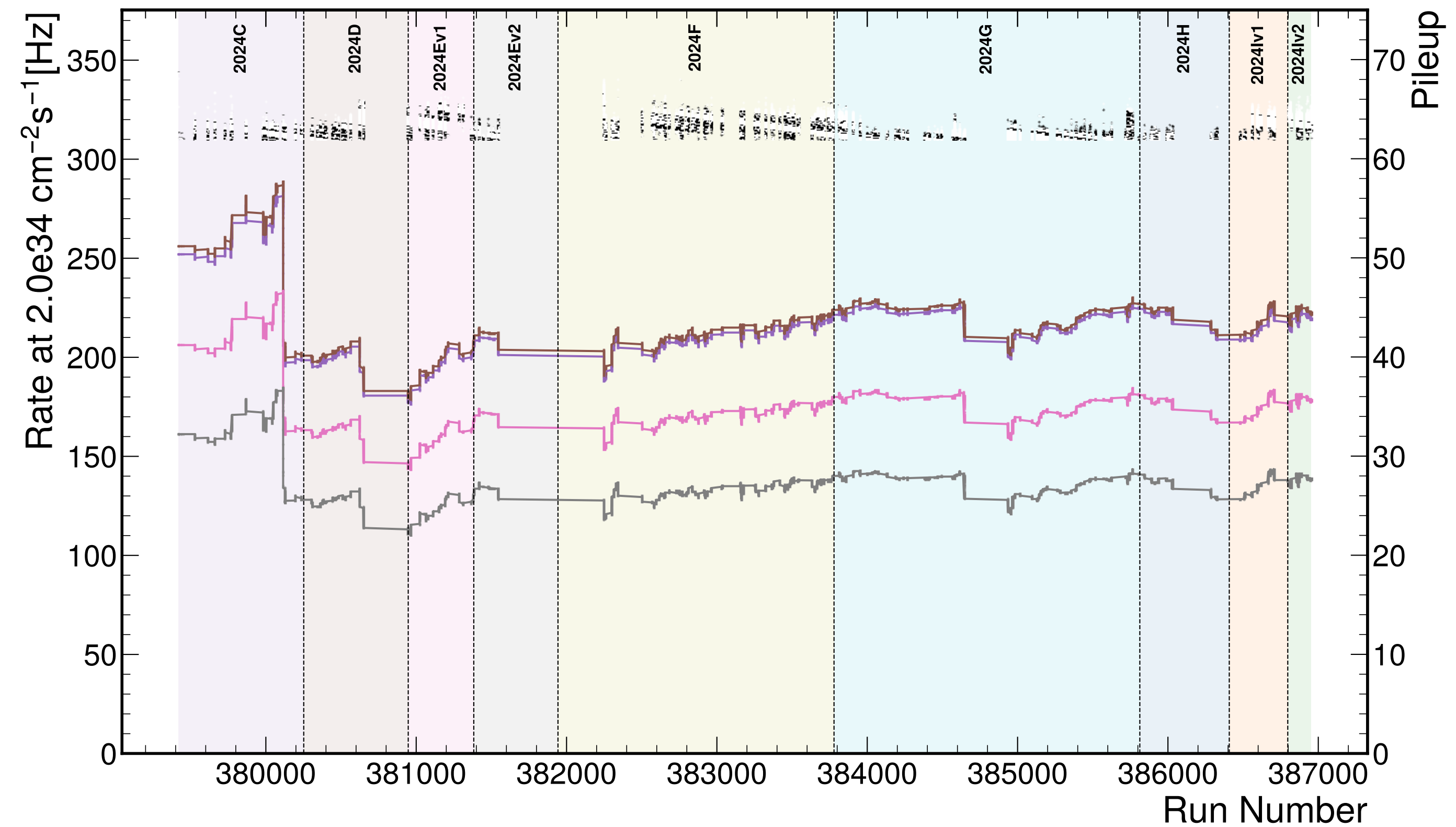
### Photon #2 Trigger Paths

- HLT\_Photon120\_R9Id90\_HE10\_IsoM
- HLT\_Photon50\_R9Id90\_HE10\_IsoM
- HLT\_Photon90\_R9Id90\_HE10\_IsoM
- HLT\_Photon75\_R9Id90\_HE10\_IsoM
- HLT\_Photon165\_R9Id90\_HE10\_IsoM
- HLT\_Photon120
- HLT\_Photon175



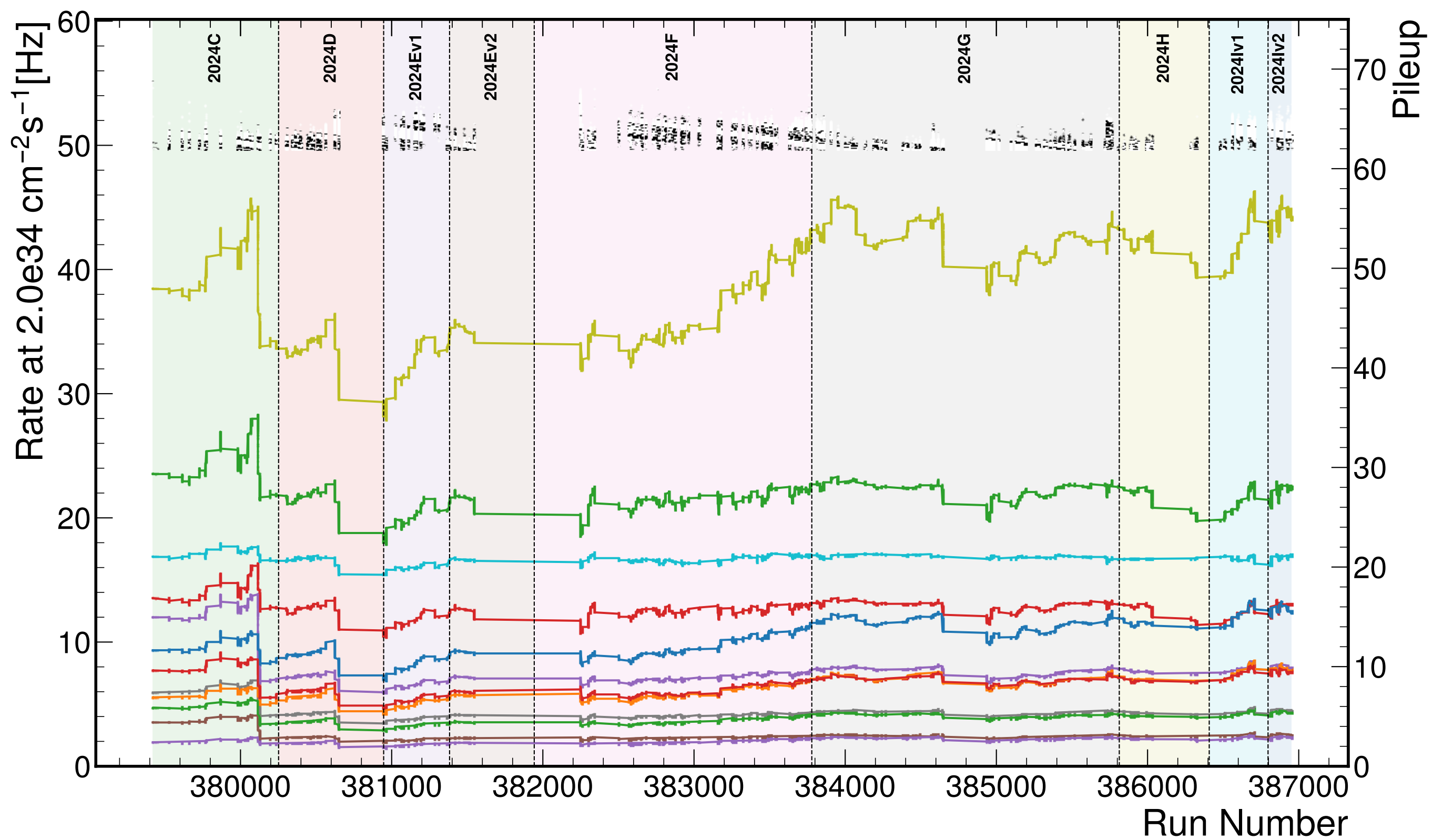
### DiPhoton Trigger Paths

- HLT\_Diphoton30\_22\_R9Id\_OR\_IsoCalold\_AND\_HE\_R9Id\_Mass90
- HLT\_Diphoton30\_22\_R9Id\_OR\_IsoCalold\_AND\_HE\_R9Id\_Mass95
- HLT\_Diphoton30\_18\_R9IdL\_AND\_HE\_AND\_IsoCalold



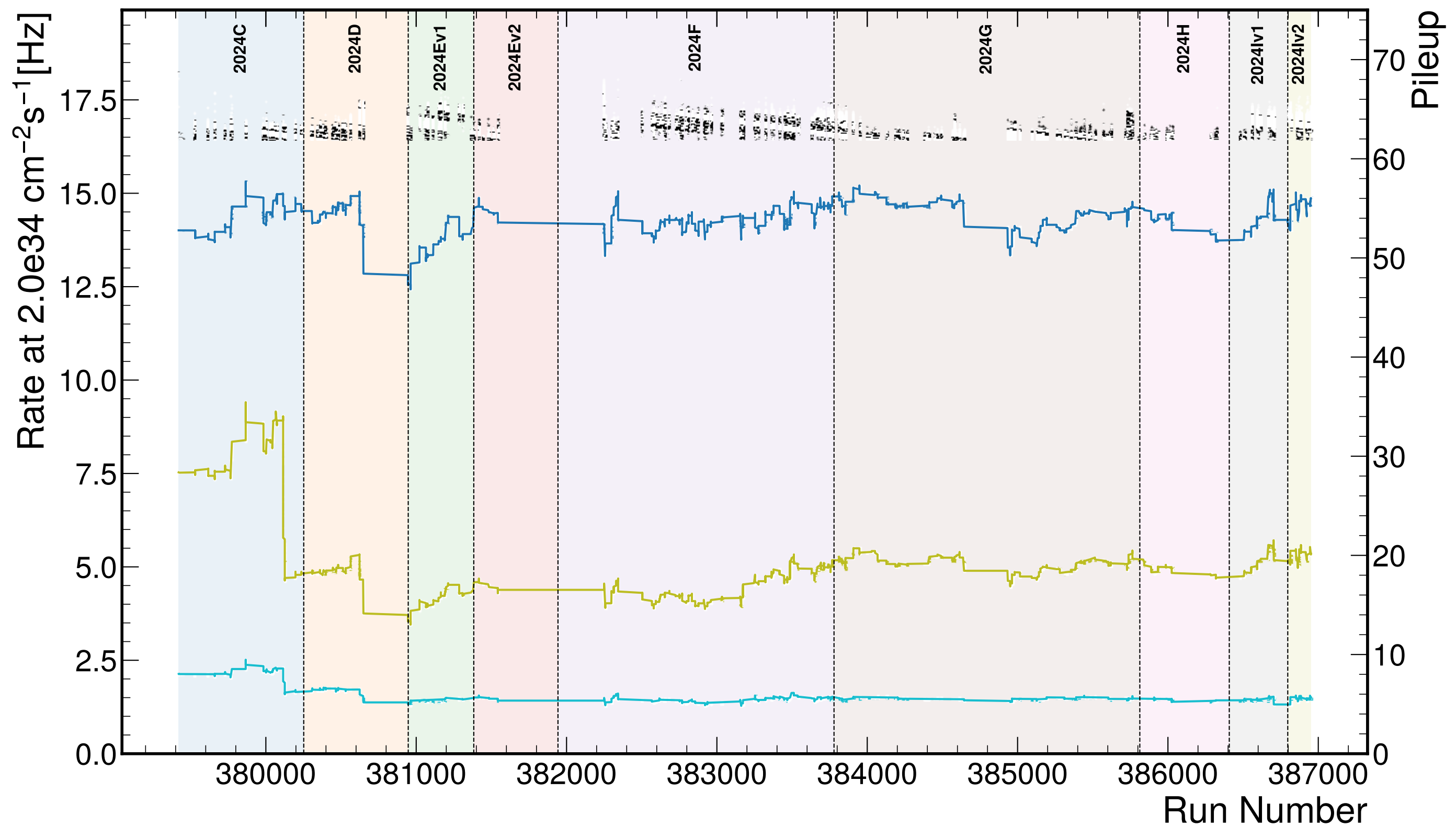
## Electron WPTight Trigger Paths

- HLT\_Ele32\_WPTight\_Gsf\_L1DoubleEG
- HLT\_Ele32\_WPTight\_Gsf
- HLT\_Ele35\_WPTight\_Gsf
- HLT\_Ele38\_WPTight\_Gsf



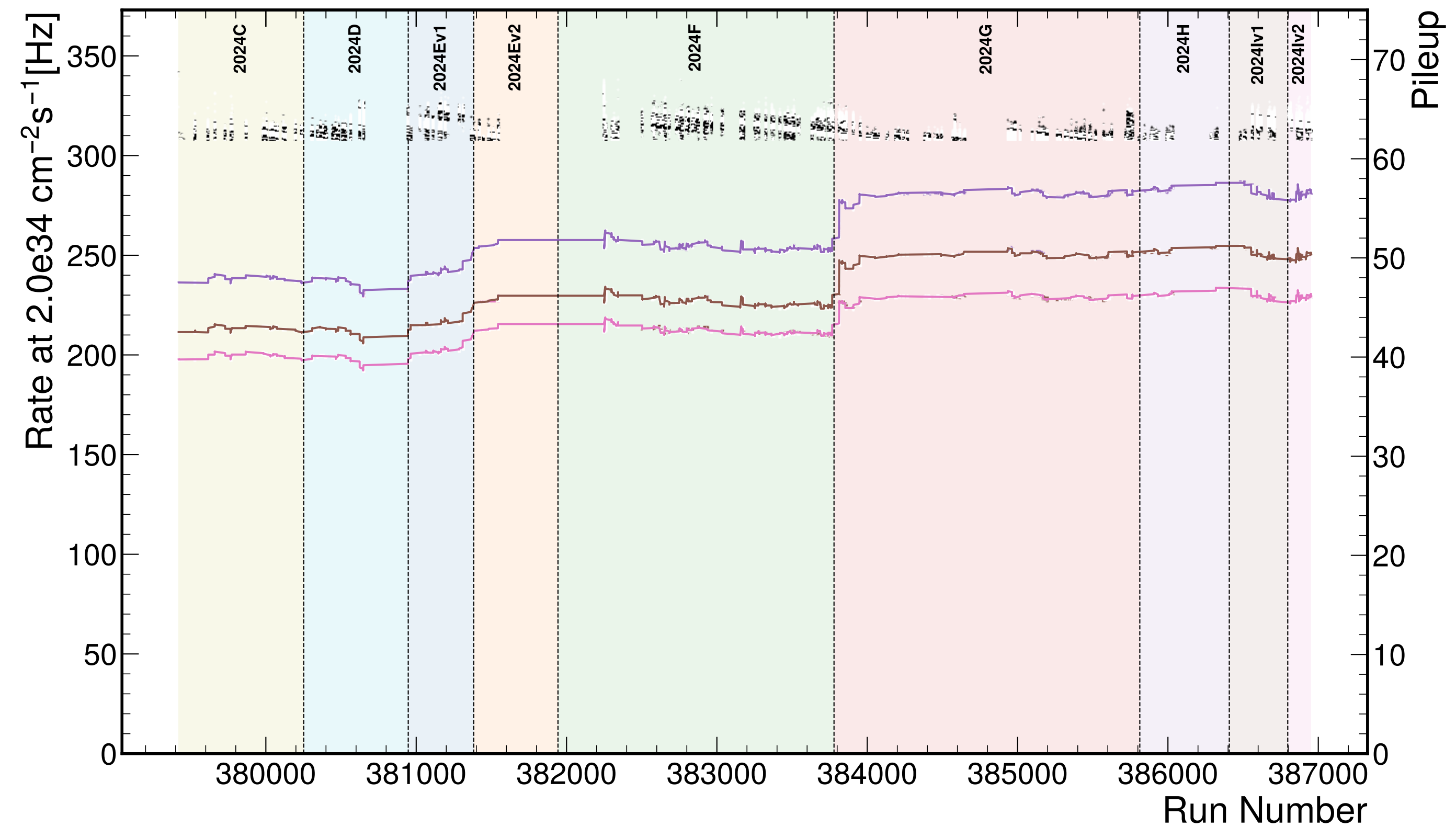
### Electron Trigger Paths

- HLT\_Ele23\_Ele12\_CaloldL\_TrackIdL\_IsoVL
- HLT\_Ele115\_CaloldVT\_GsfTrkIdT
- HLT\_Ele23\_Ele12\_CaloldL\_TrackIdL\_IsoVL\_DZ
- HLT\_Ele135\_CaloldVT\_GsfTrkIdT
- HLT\_Ele15\_IsoVVVL\_PFHT450
- HLT\_Ele12\_CaloldL\_TrackIdL\_IsoVL\_PFJet30
- HLT\_Ele8\_CaloldM\_TrackIdM\_PFJet30
- HLT\_Ele8\_CaloldL\_TrackIdL\_IsoVL\_PFJet30
- HLT\_Ele50\_IsoVVVL\_PFHT450
- HLT\_Ele17\_CaloldM\_TrackIdM\_PFJet30
- HLT\_Ele15\_IsoVVVL\_PFHT600
- HLT\_Ele23\_CaloldL\_TrackIdL\_IsoVL\_PFJet30
- HLT\_Ele28\_eta2p1\_WPTight\_Gsf\_HT150



## Double Electron Trigger Paths

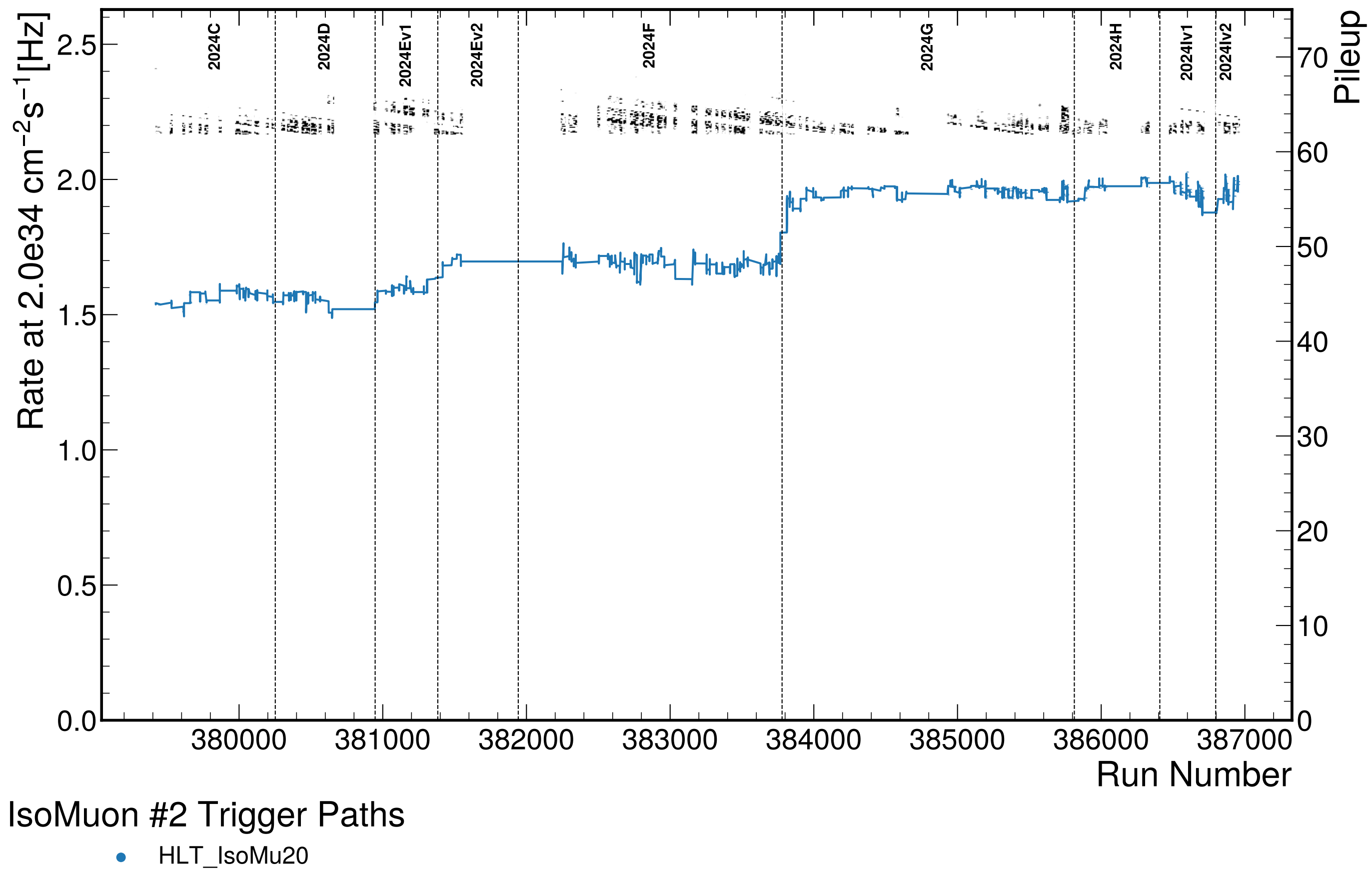
- HLT\_DoubleEle33\_CaloldL\_MW
- HLT\_DoubleEle8\_CaloldM\_TrackIdM\_Mass8\_PFHT350
- HLT\_DoubleEle8\_CaloldM\_TrackIdM\_Mass8\_DZ\_PFHT350



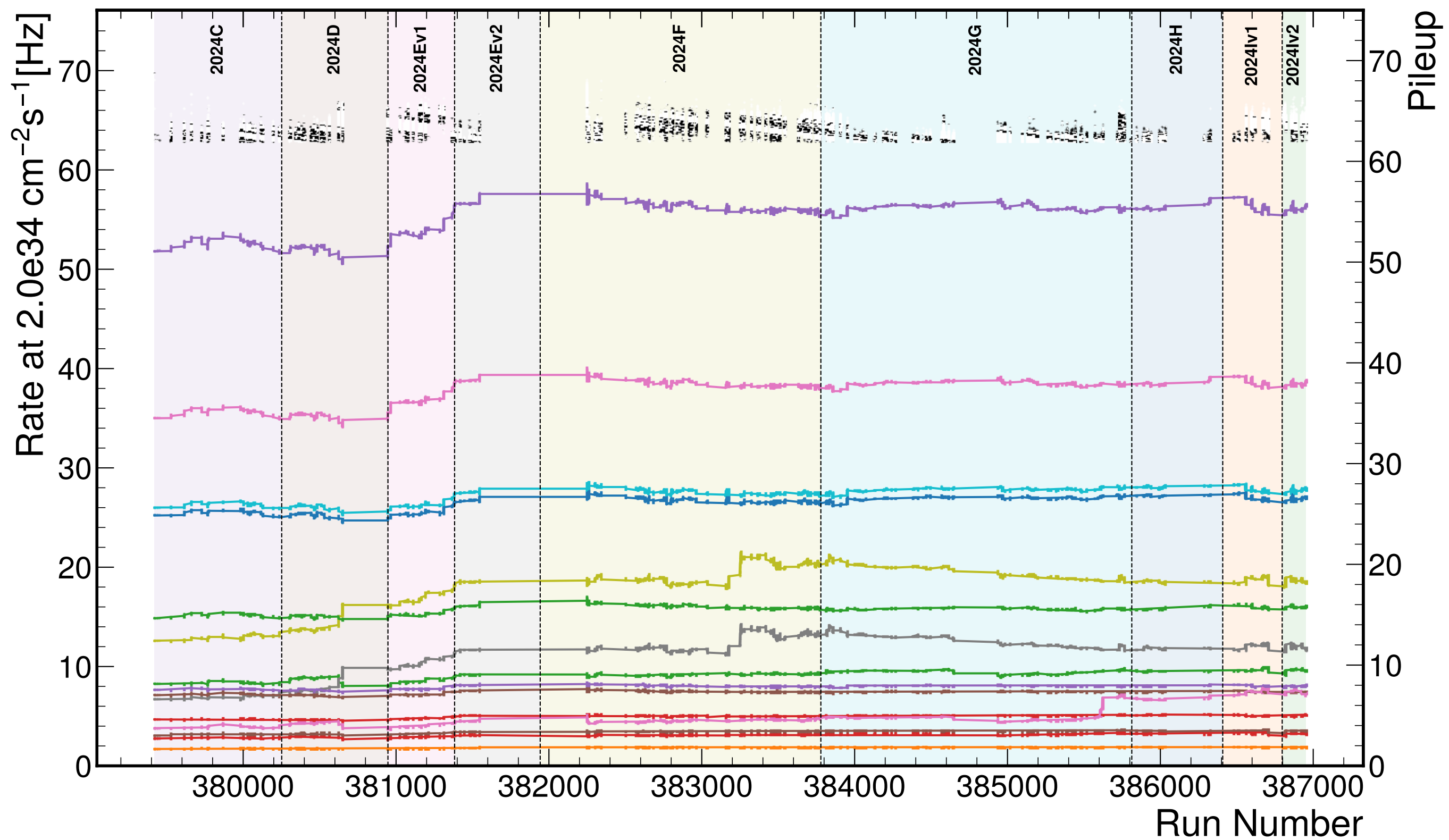
### IsoMuon #1 Trigger Paths

- HLT\_IsoMu24
- HLT\_IsoMu24\_eta2p1
- HLT\_IsoMu27



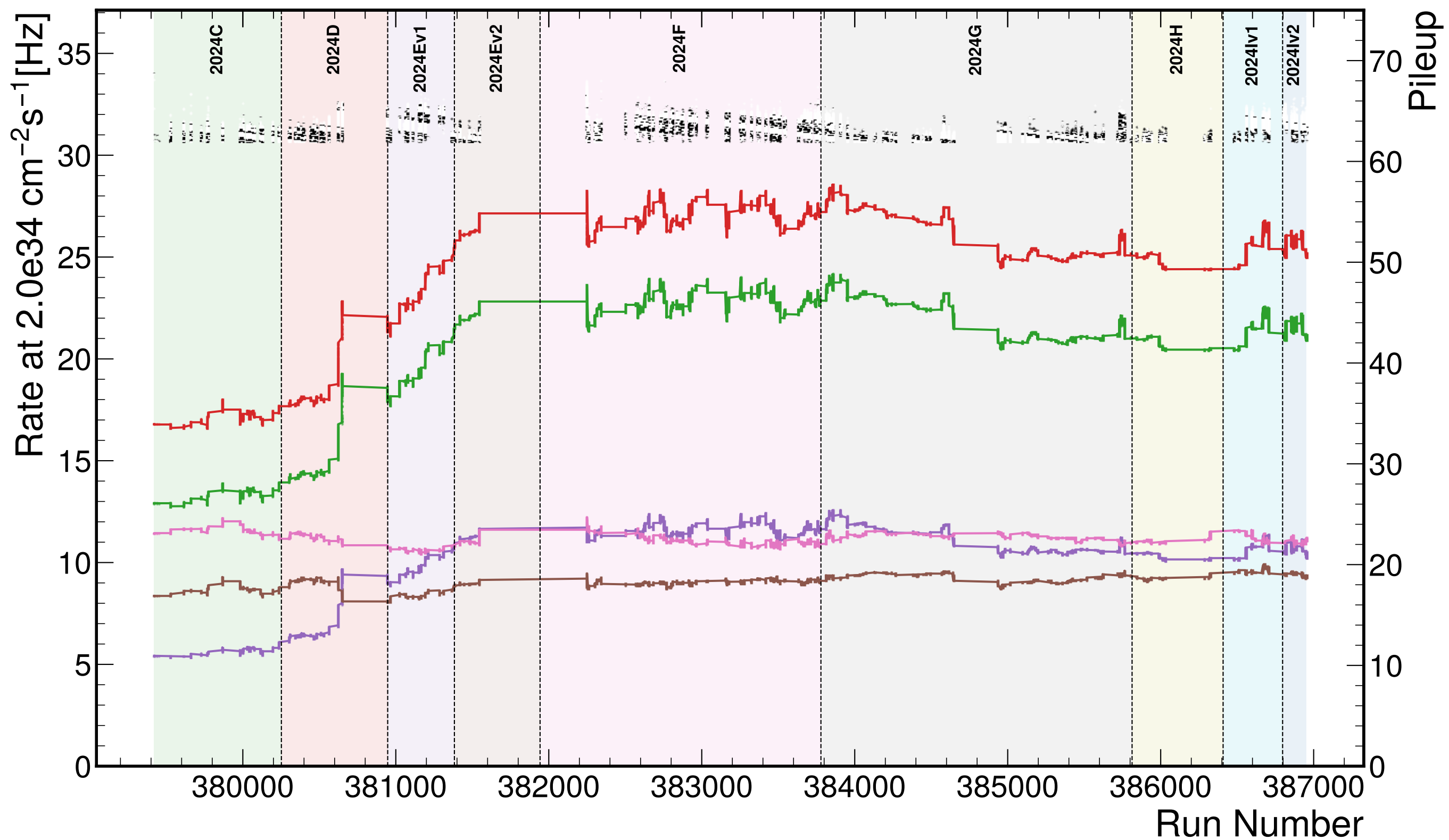






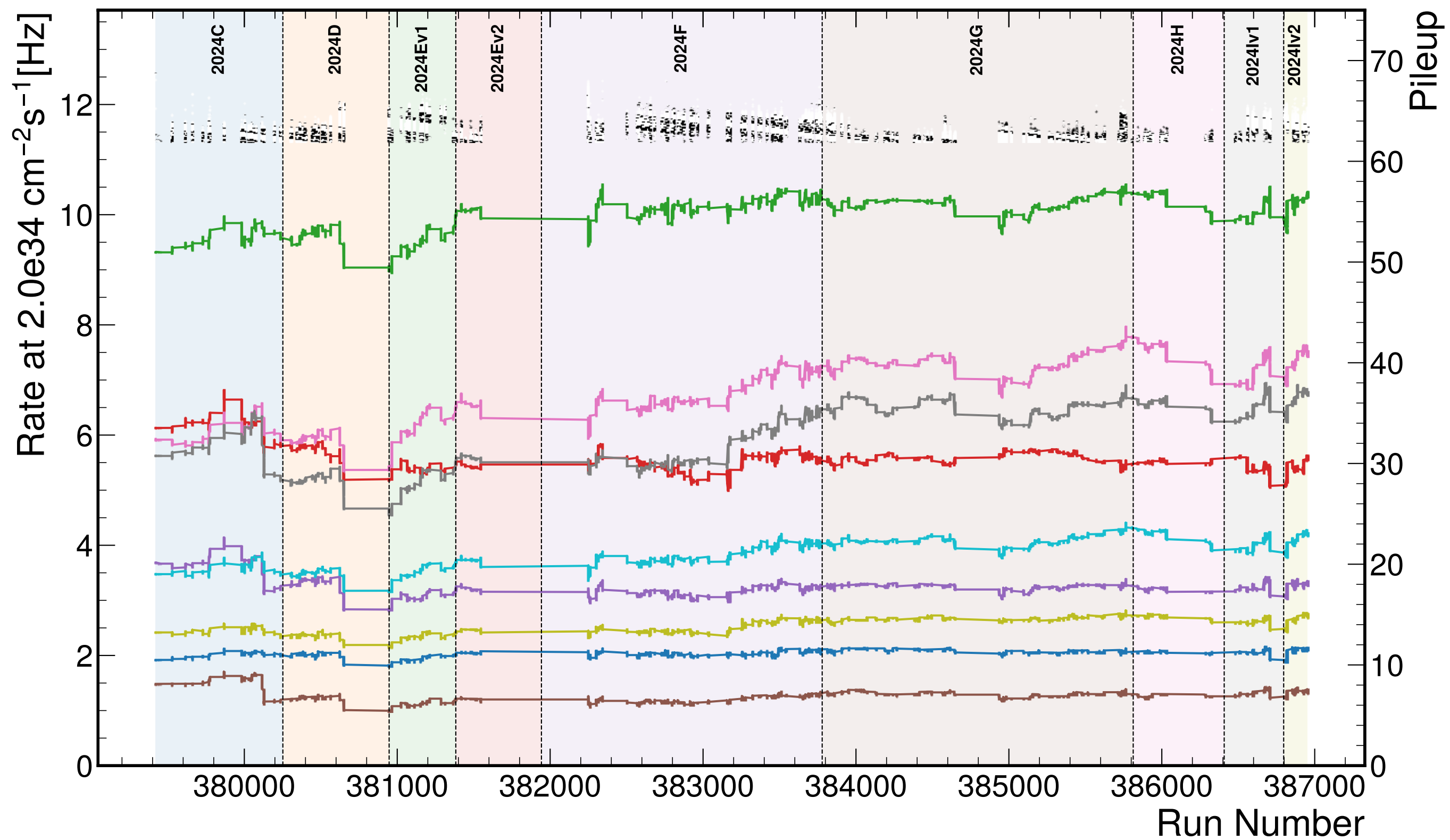
### Muon #1 Trigger Paths

- HLT\_Mu50
- HLT\_Mu55
- HLT\_Mu17\_TrkIsoVVL\_Mu8\_TrkIsoVVL\_DZ\_Mass3p8
- HLT\_Mu17\_TrkIsoVVL\_Mu8\_TrkIsoVVL\_DZ\_Mass8
- HLT\_Mu3er1p5\_PFJet100er2p5\_PFMETNoMu100\_PFMHTNoMu100\_IDTight
- HLT\_Mu37\_TkMu27
- HLT\_Mu3er1p5\_PFJet100er2p5\_PFMET100\_PFMHT100\_IDTight
- HLT\_Mu15\_IsoVVVL\_PFHT450
- HLT\_Mu17
- HLT\_Mu3\_PFJet40
- HLT\_Mu8
- HLT\_Mu8\_TrkIsoVVL
- HLT\_Mu50\_IsoVVVL\_PFHT450
- HLT\_Mu15\_IsoVVVL\_PFHT600
- HLT\_Mu17\_TrkIsoVVL\_Mu8\_TrkIsoVVL\_DZ



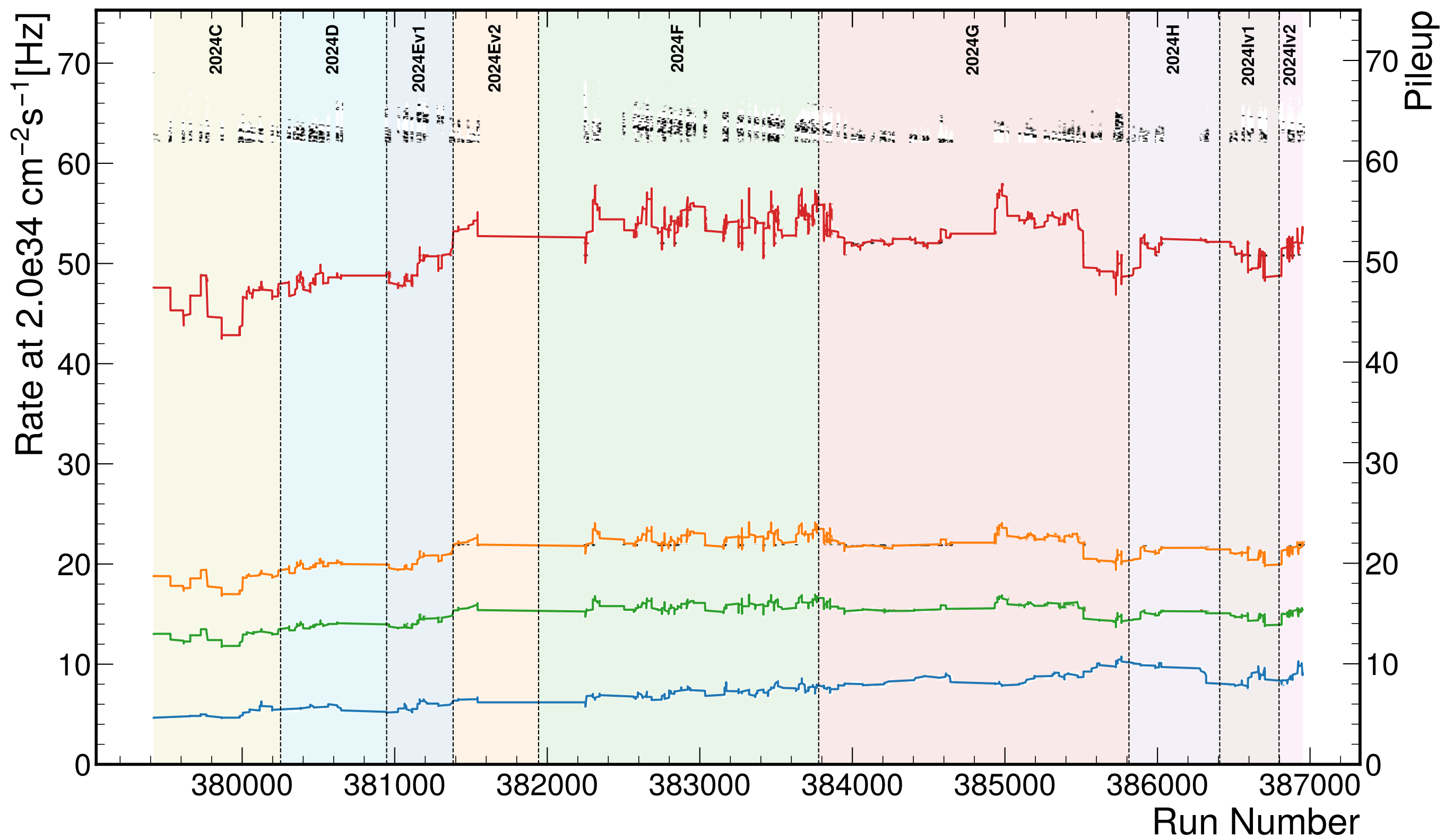
## Double and Triple Muon Trigger Paths

- HLT\_DoubleMu3\_DCA\_PFMET50\_PFMHT60
- HLT\_DoubleMu3\_DZ\_PFMET50\_PFMHT60
- HLT\_DoubleMu3\_DZ\_PFMET70\_PFMHT70
- HLT\_TripleMu\_5\_3\_3\_Mass3p8\_DCA
- HLT\_DoubleMu4\_Mass3p8\_DZ\_PFHT350



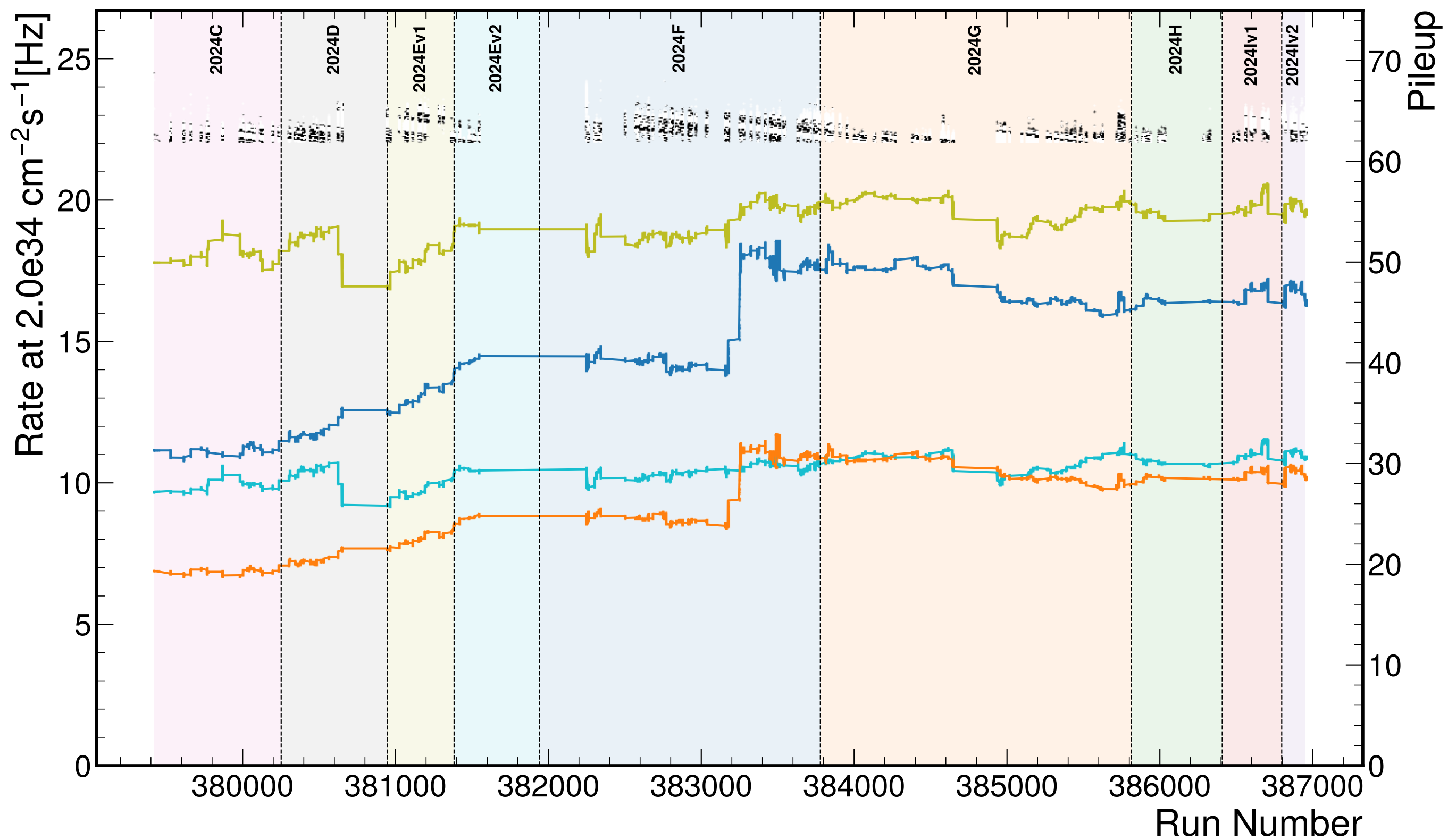
### Muon/ey Trigger Paths

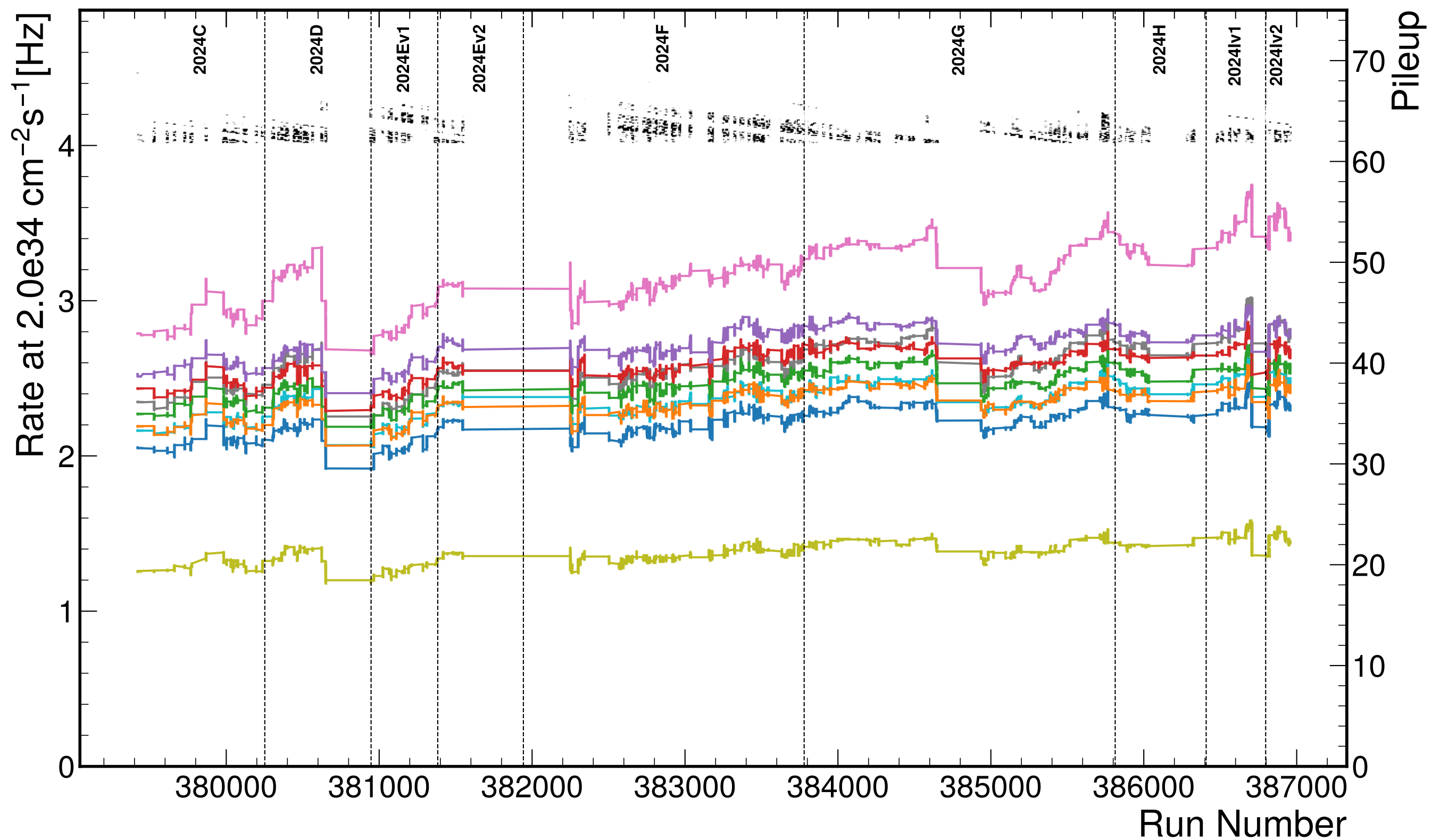
- HLT\_Mu17\_Photon30\_IsoCalold
- HLT\_Mu8\_TrkIsoVVL\_Ele23\_CaloldL\_TrackIdL\_IsoVL\_DZ
- HLT\_Mu23\_TrkIsoVVL\_Ele12\_CaloldL\_TrackIdL\_IsoVL
- HLT\_DiMu4\_Ele9\_CaloldL\_TrackIdL\_DZ\_Mass3p8
- HLT\_Mu12\_TrkIsoVVL\_Ele23\_CaloldL\_TrackIdL\_IsoVL\_DZ
- HLT\_Mu8\_Ele8\_CaloldM\_TrackIdM\_Mass8\_PFHT350\_DZ
- HLT\_Mu23\_TrkIsoVVL\_Ele12\_CaloldL\_TrackIdL\_IsoVL\_DZ
- HLT\_Mu37\_Ele27\_CaloldL\_MW
- HLT\_Mu8\_Ele8\_CaloldM\_TrackIdM\_Mass8\_PFHT350



### Tau Trigger Paths

- HLT\_DoubleMediumDeepTauPFTauHPS35\_L2NN\_eta2p1
- HLT\_DoubleMediumDeepTauPFTauHPS30\_L2NN\_eta2p1\_PFJet60
- HLT\_DoubleMediumDeepTauPFTauHPS30\_L2NN\_eta2p1\_PFJet75
- HLT\_DoubleMediumChargedIsoDisplacedPFTauHPS32\_Trk1\_eta2p1

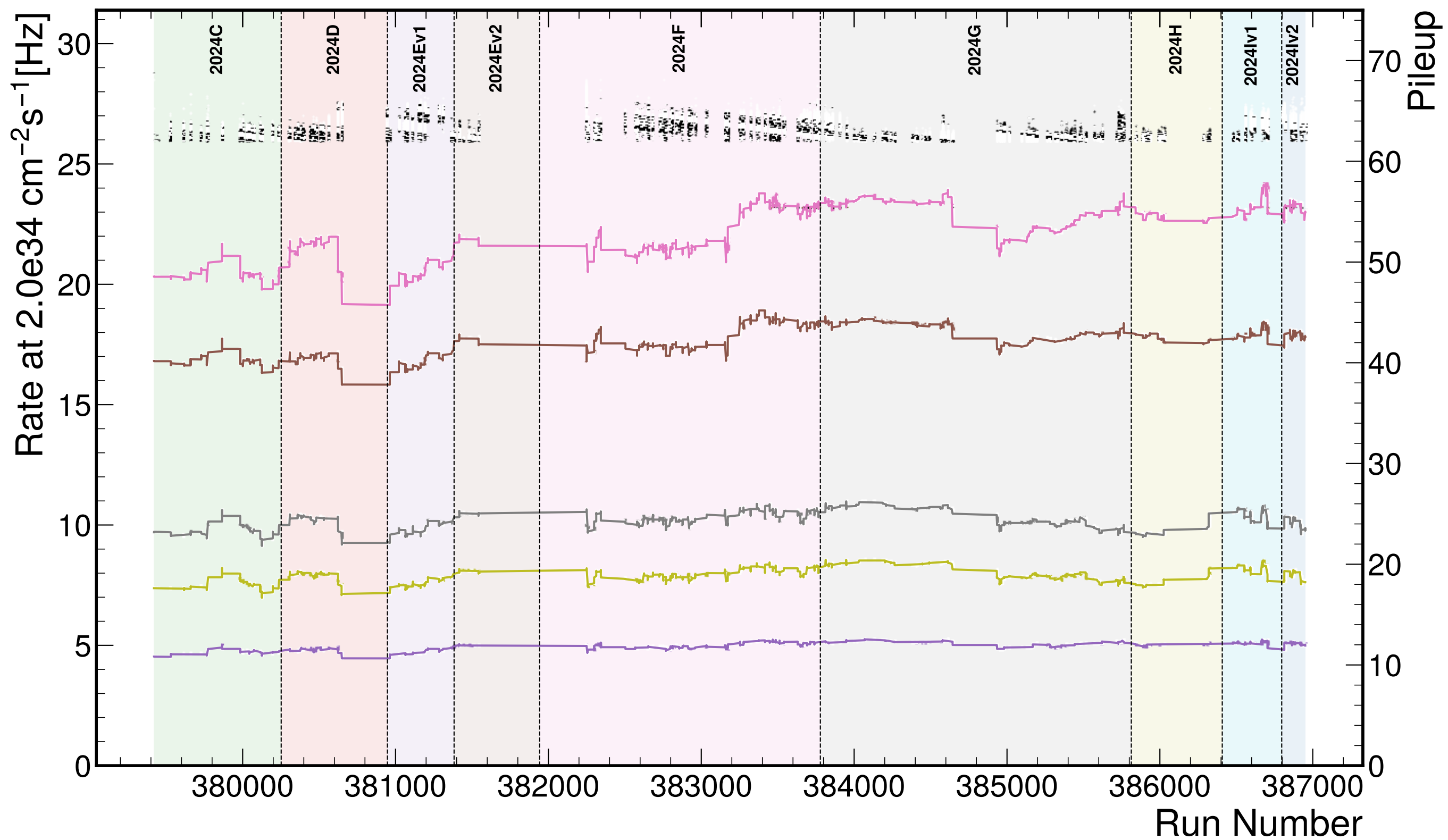




## HT #2 Trigger Paths

- HLT\_PFHT180
- HLT\_PFHT250
- HLT\_PFHT890
- HLT\_PFHT780
- HLT\_PFHT680
- HLT\_PFHT430
- HLT\_PFHT590
- HLT\_PFHT510
- HLT\_PFHT370

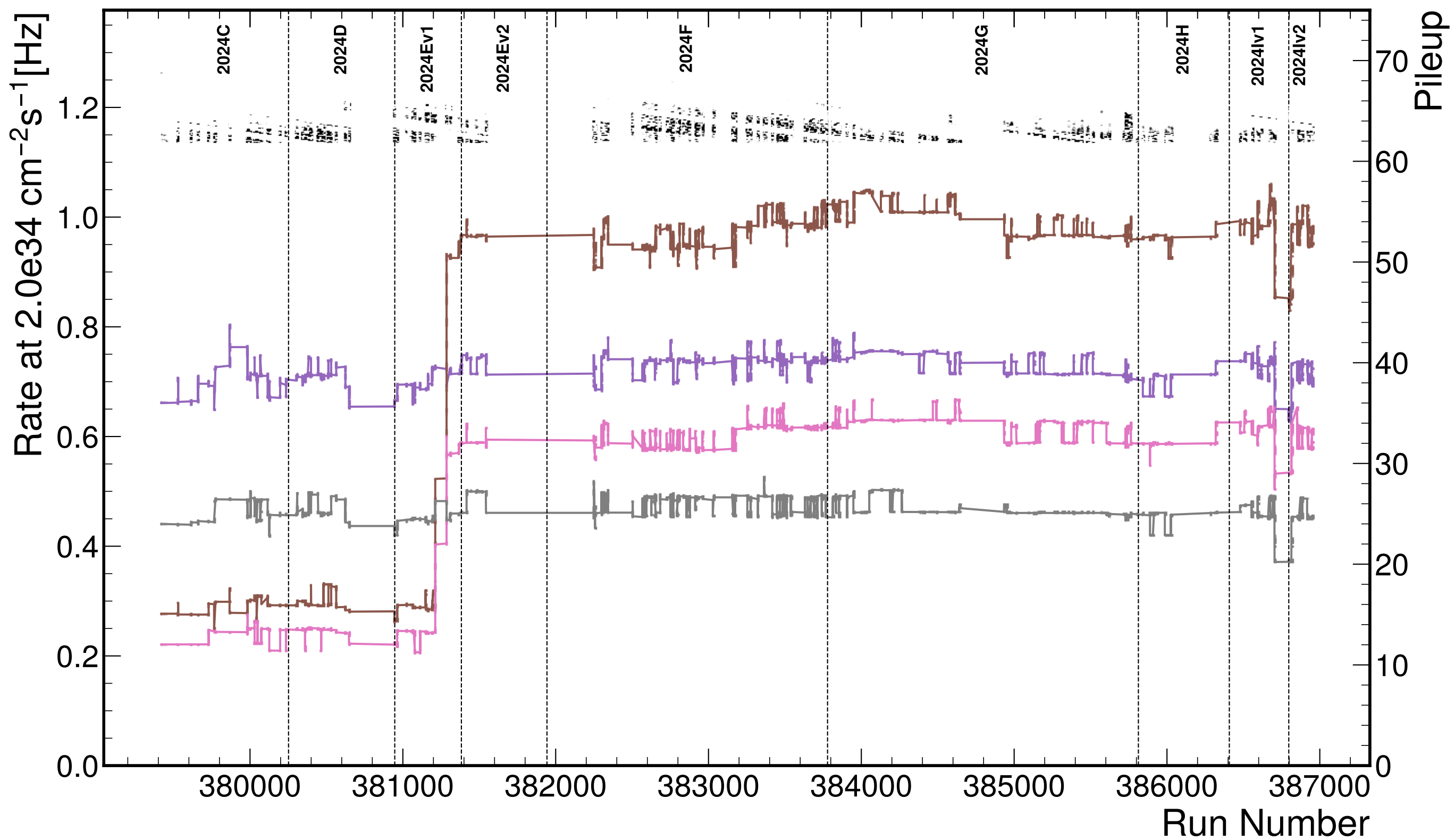




### Jet #1 Trigger Paths

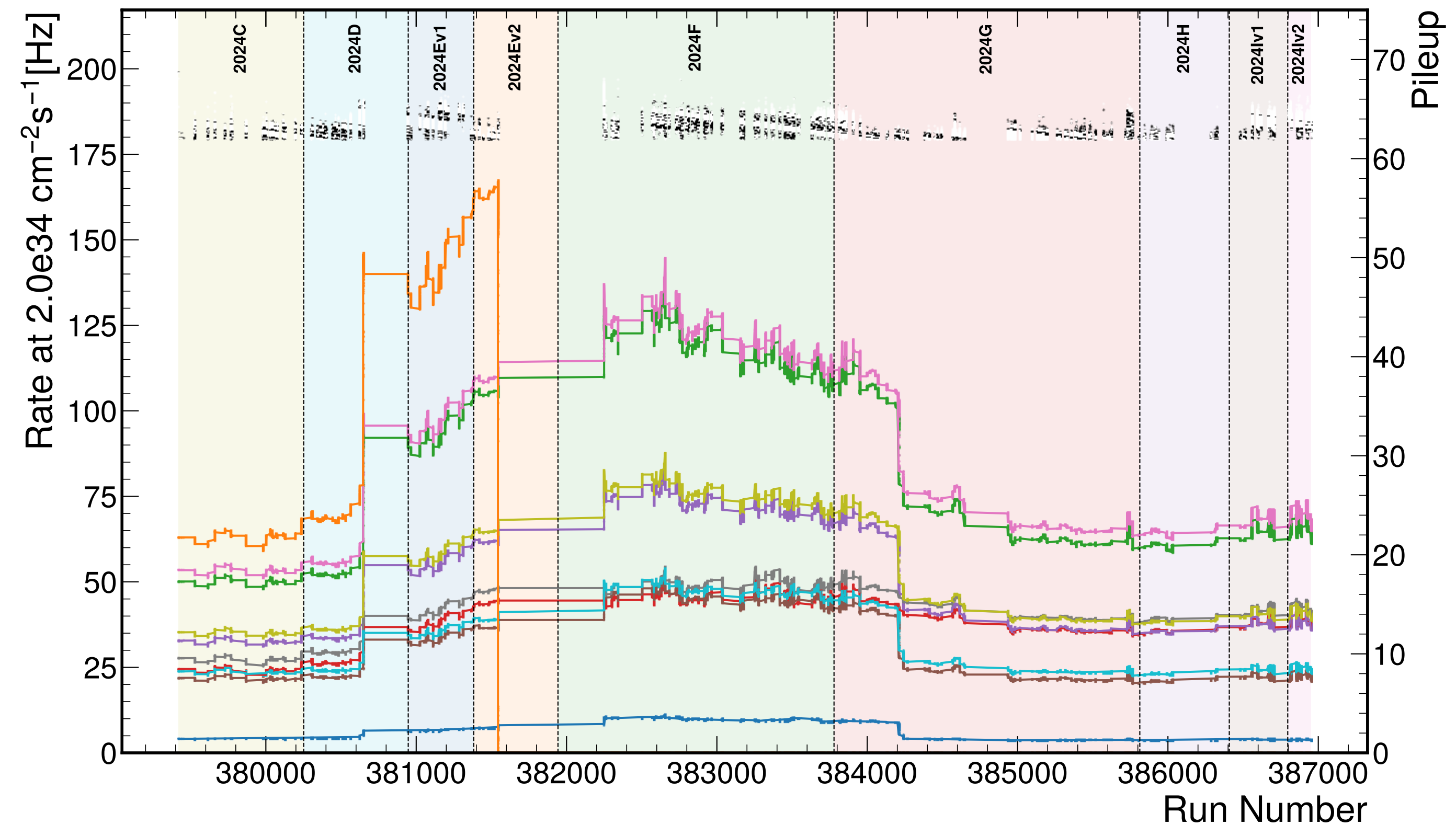
- HLT\_AK8PFJet500
- HLT\_PFJet500
- HLT\_DoublePFJets116MaxDeta1p6\_PNet2BTag\_0p11
- HLT\_DoublePFJets128MaxDeta1p6\_PNet2BTag\_0p11
- HLT\_PFJet140





### Jet #2 Trigger Paths

- HLT\_DoublePFJets200\_PNetBTag\_0p11
- HLT\_DoublePFJets100\_PNetBTag\_0p11
- HLT\_DoublePFJets350\_PNetBTag\_0p11
- HLT\_DoublePFJets40\_PNetBTag\_0p11



### MET Trigger Paths

- HLT\_PFMETNoMu110\_PFMHTNoMu110\_IDTight\_FilterHF
- HLT\_PFMETNoMu120\_PFMHTNoMu120\_IDTight
- HLT\_PFMET120\_PFMHT120\_IDTight
- HLT\_PFMETNoMu130\_PFMHTNoMu130\_IDTight
- HLT\_PFMET130\_PFMHT130\_IDTight
- HLT\_PFMETNoMu120\_PFMHTNoMu120\_IDTight\_PFHT60
- HLT\_PFMETNoMu140\_PFMHTNoMu140\_IDTight
- HLT\_PFMET140\_PFMHT140\_IDTight
- HLT\_PFMET120\_PFMHT120\_IDTight\_PFHT60
- HLT\_PFMET200\_BeamHaloCleaned