

FHC numu

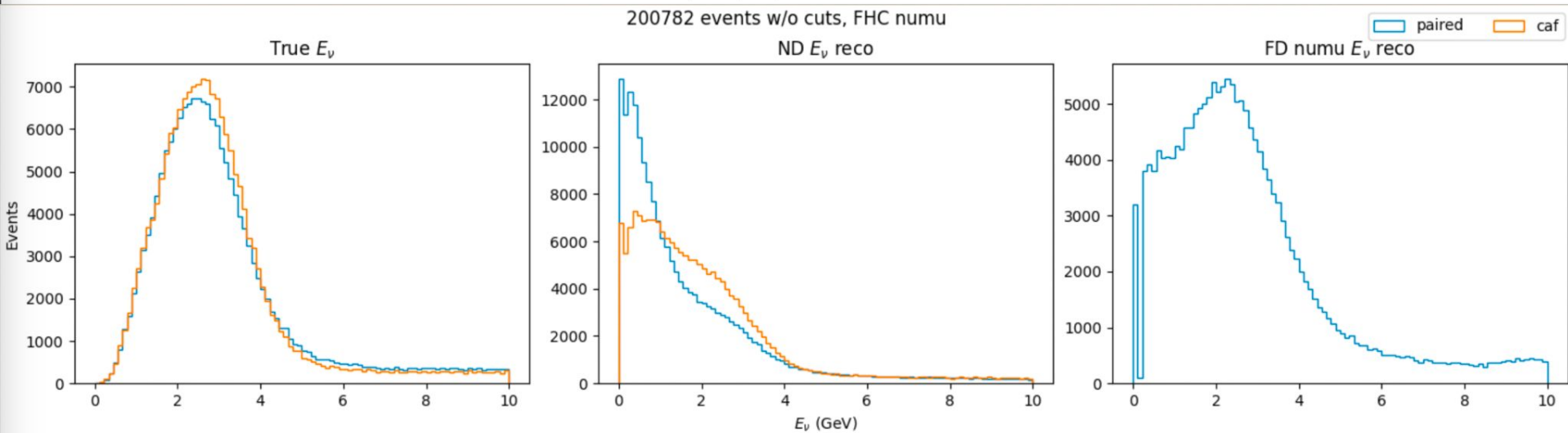
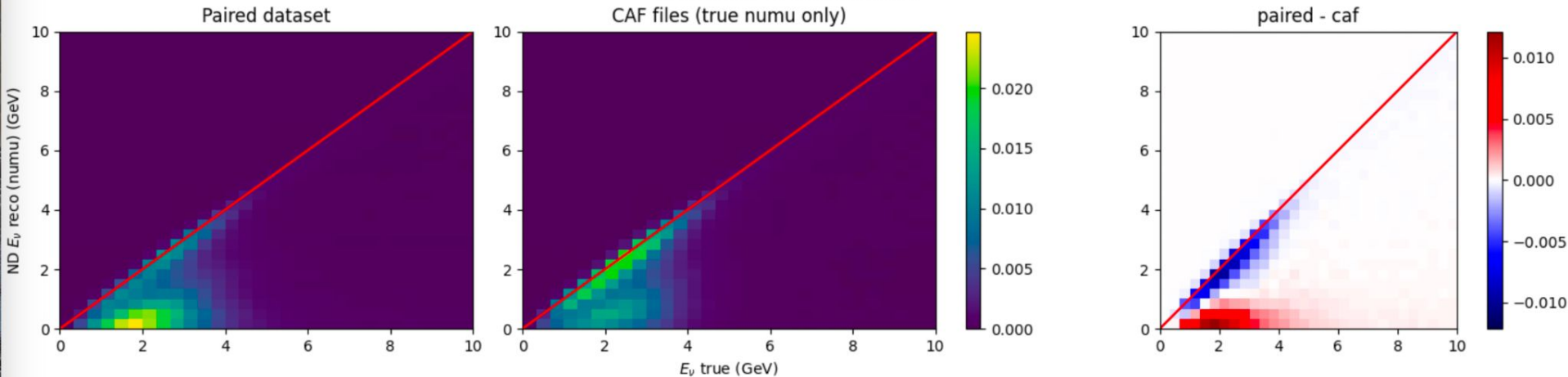
ND Caf, paired

Update for 8/9 NDFD meeting

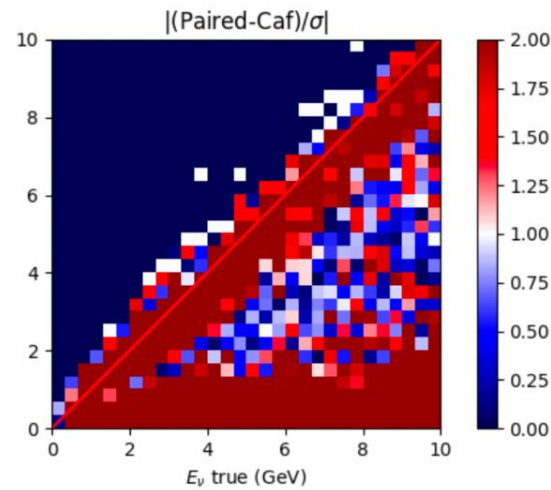
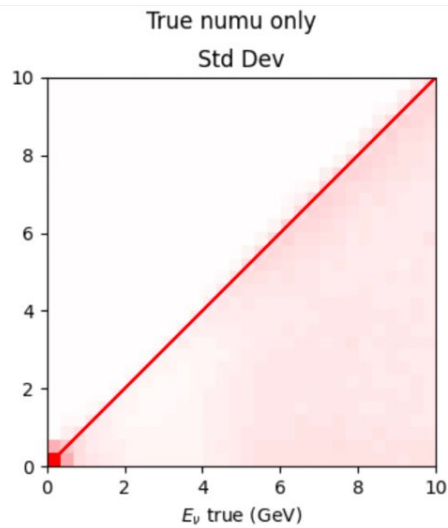
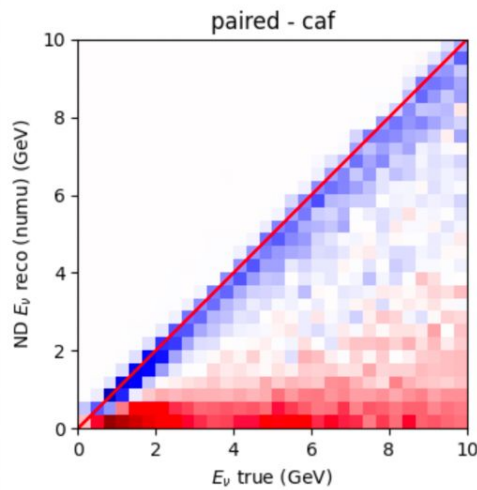
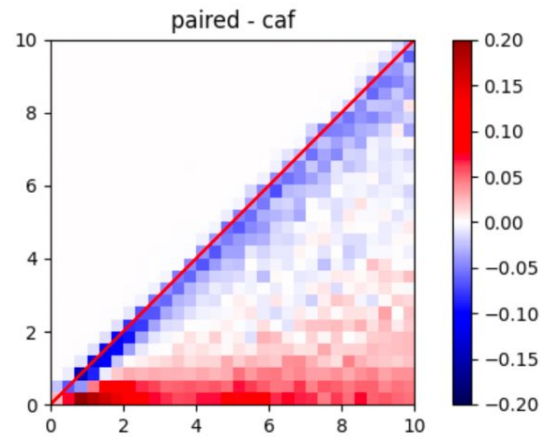
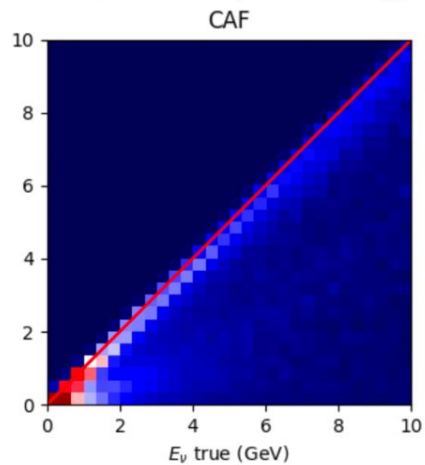
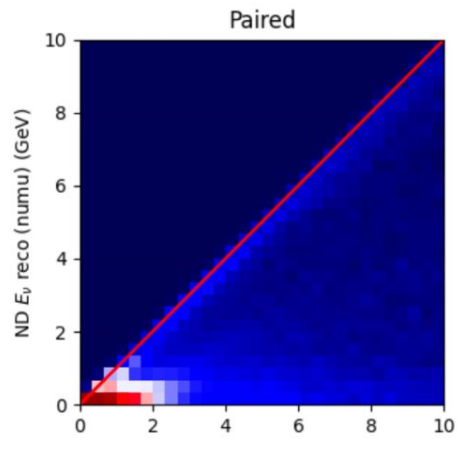
These plots are **before** any extra cuts have been made, so this includes events outside the minimum and maximum allowed bounds.

The “Normalized per true energy bin” means just that- in each true energy bin I normalized it in order to correct for any differences in truth spectrums.

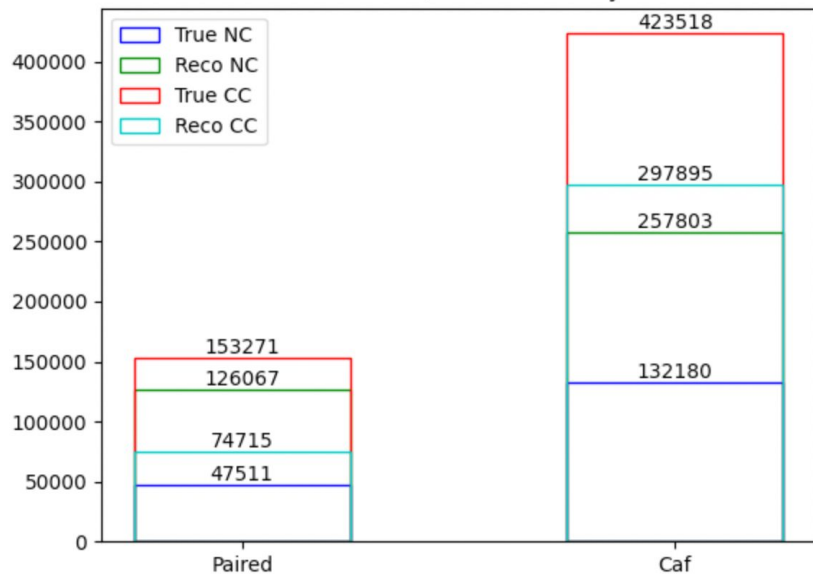
200782 paired events, 555698 CAF events (CAF vtx cut, pre energy cuts)
(FHC numu, area normalized)



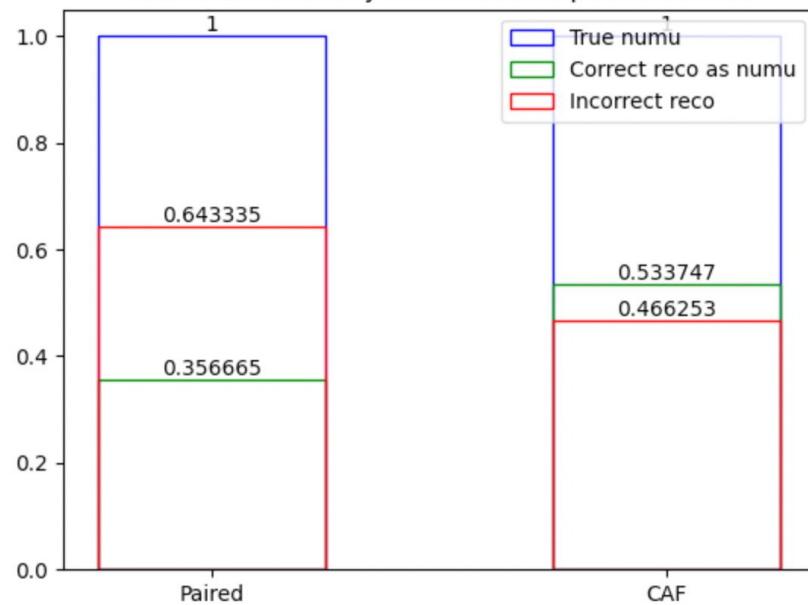
200782 paired events, 555698 CAF events (CAF vtx cut, pre energy cuts)
(FHC numu, normalized per true energy bin)



CC and NC, true numu only

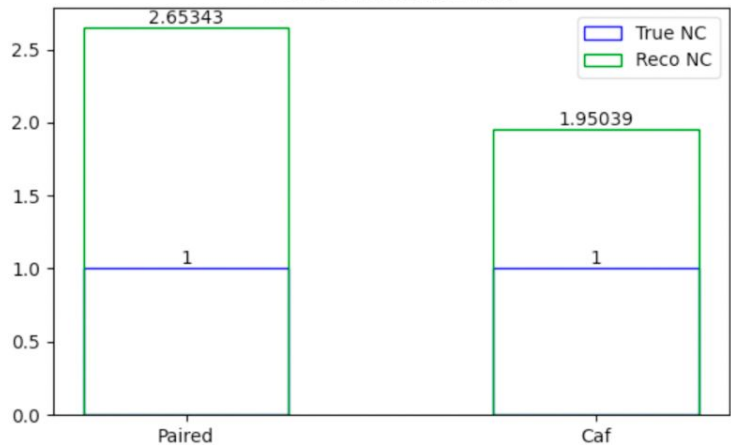


True numu correctly reconstructed paired and caf

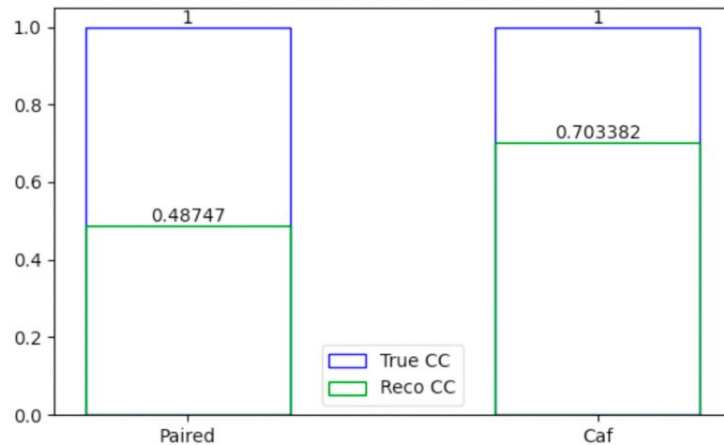


200782 Paired and 555698 CAF CC and NC events, numu only

NC reconstruction rate

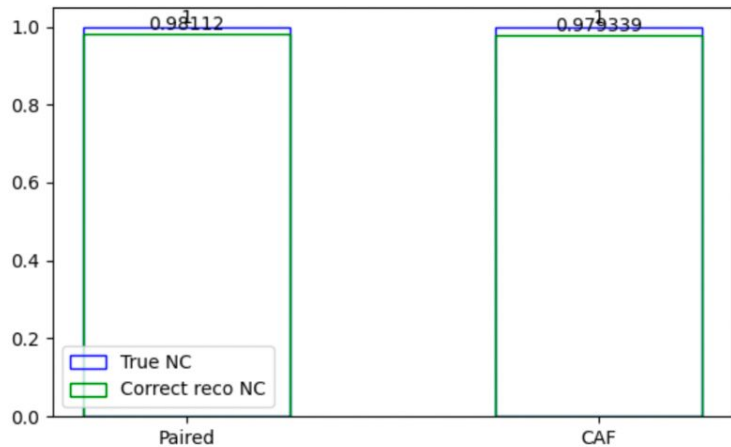


CC reconstruction rate

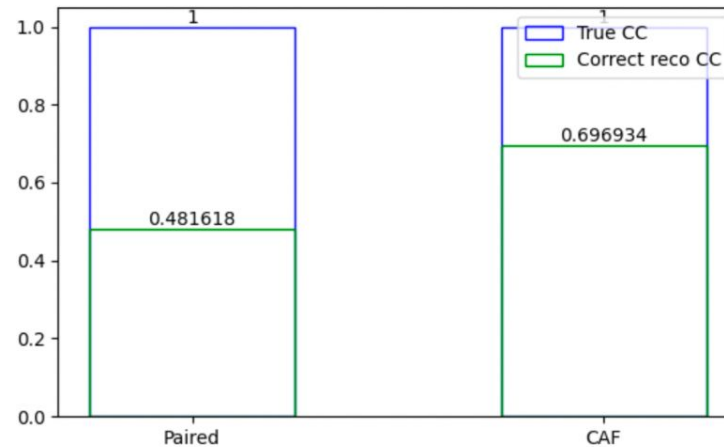


True numu only correct NC and CC reco

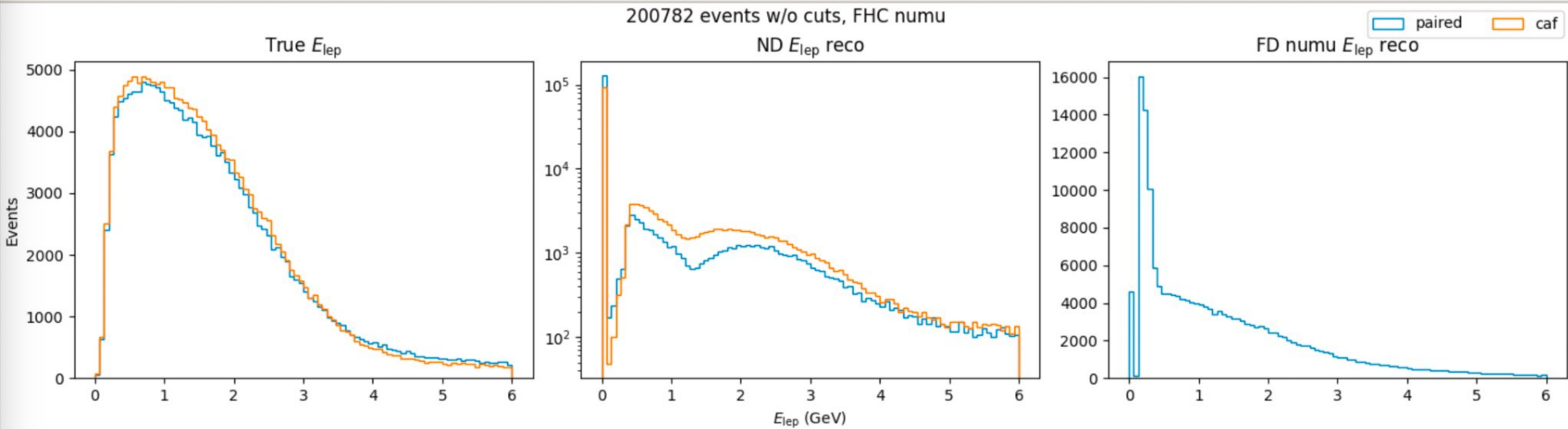
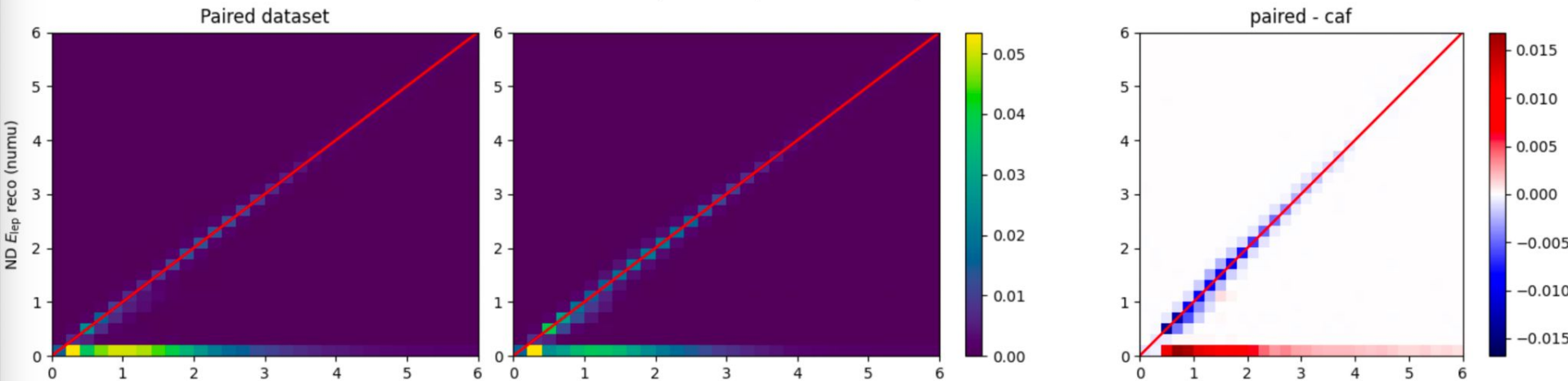
NC



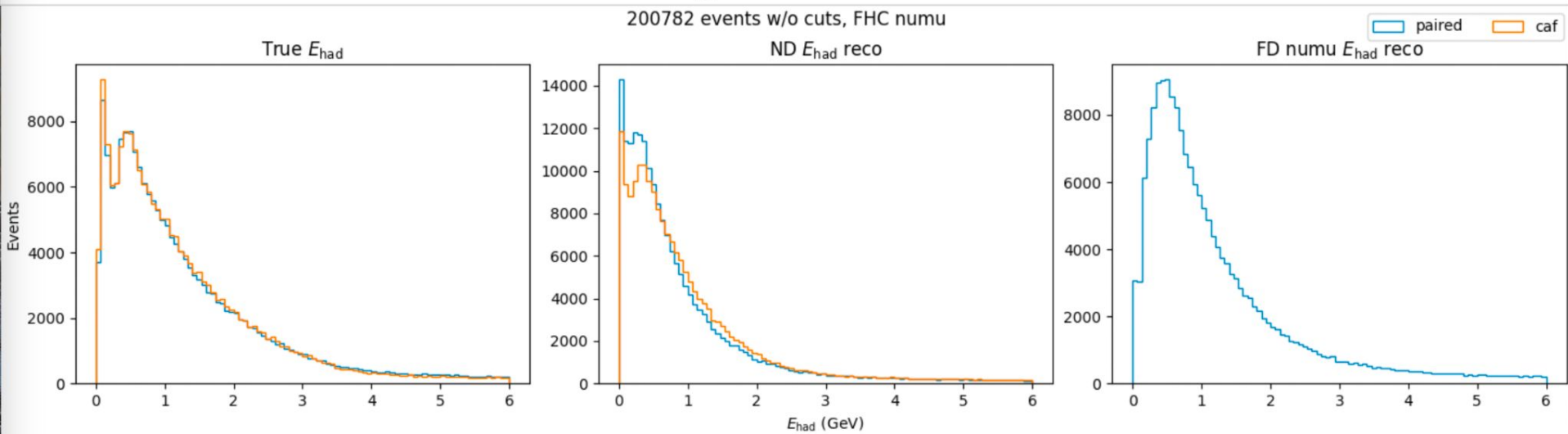
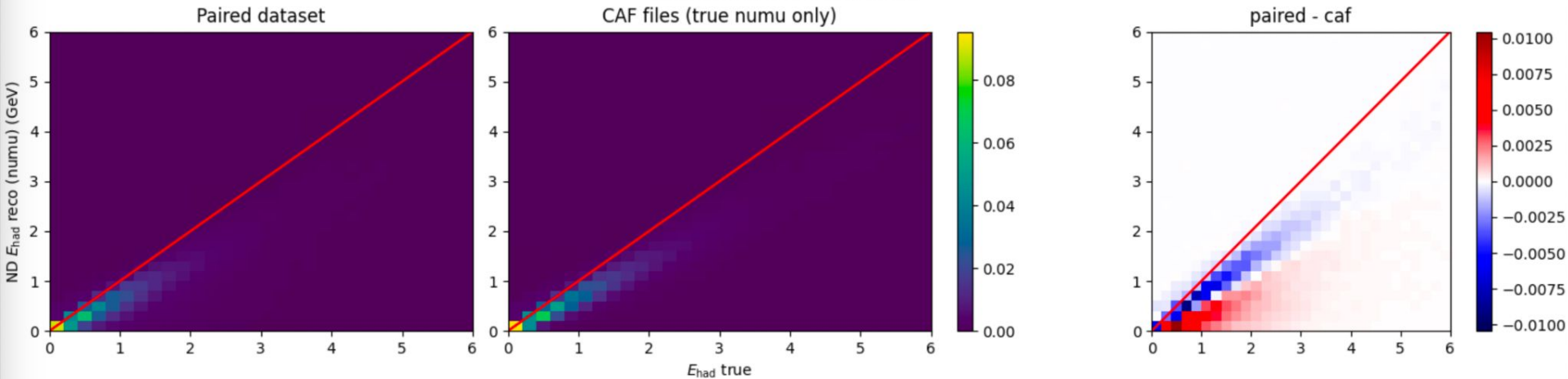
CC



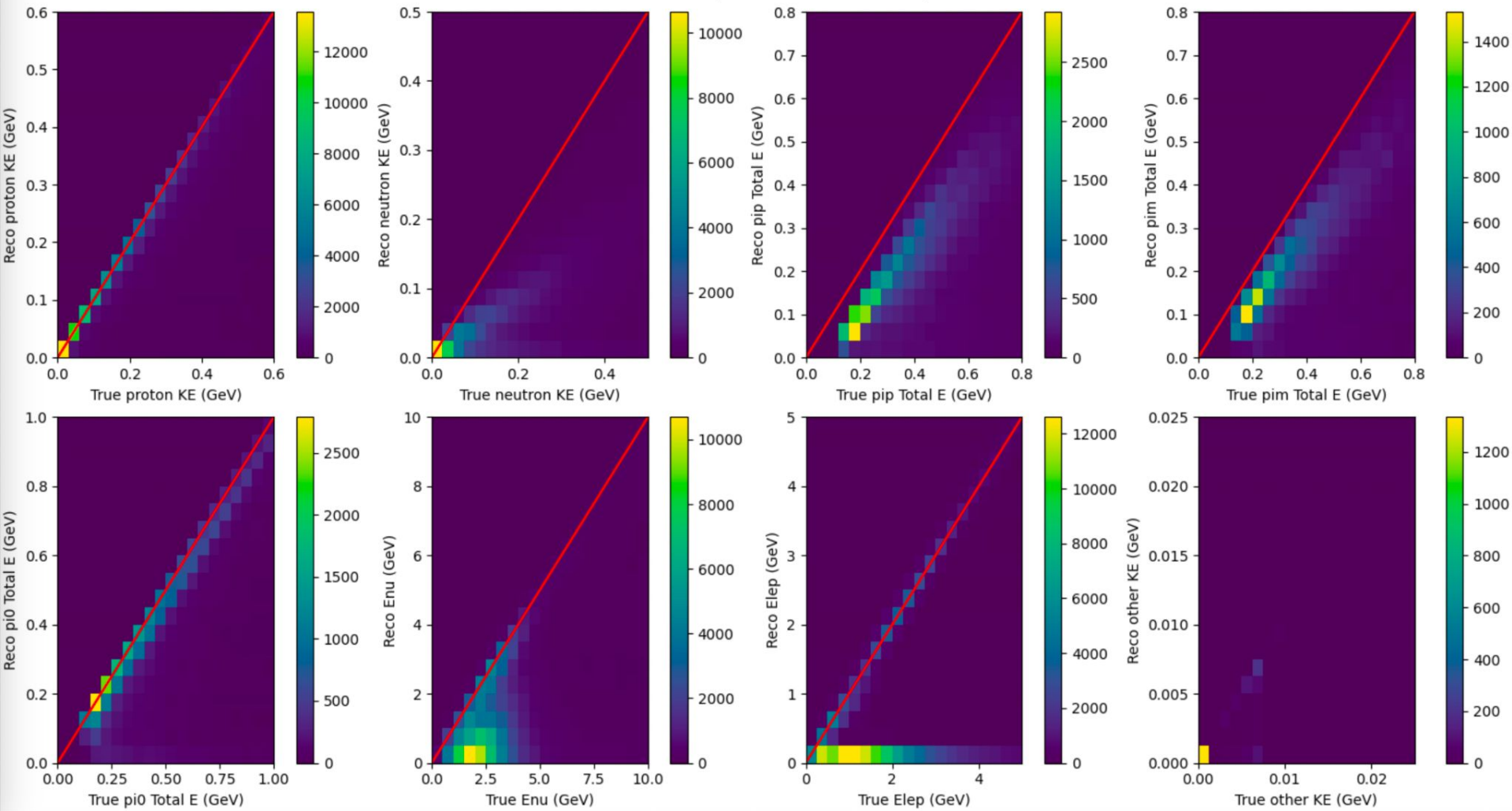
200782 paired events, 555698 CAF events (CAF vtx cut, pre energy cuts)
(FHC numu, area normalized)



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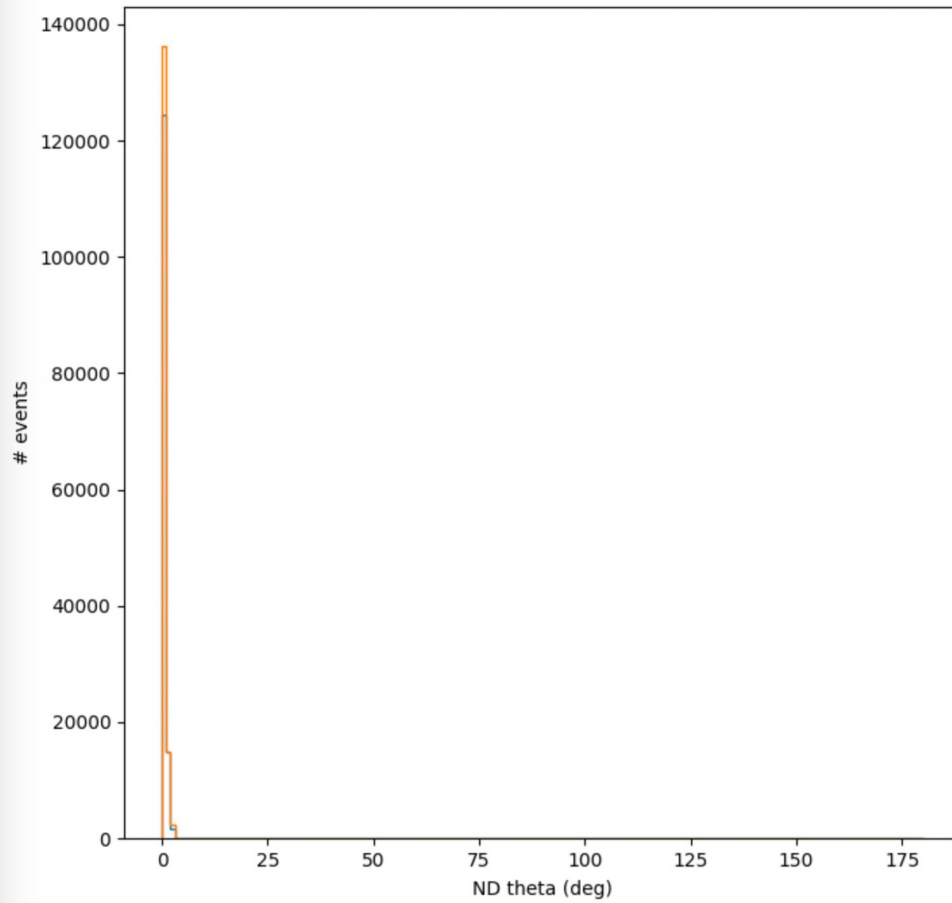


200782 FHC numu ND paired events, > 0 true particles



153271 FHC CCnumu paired events

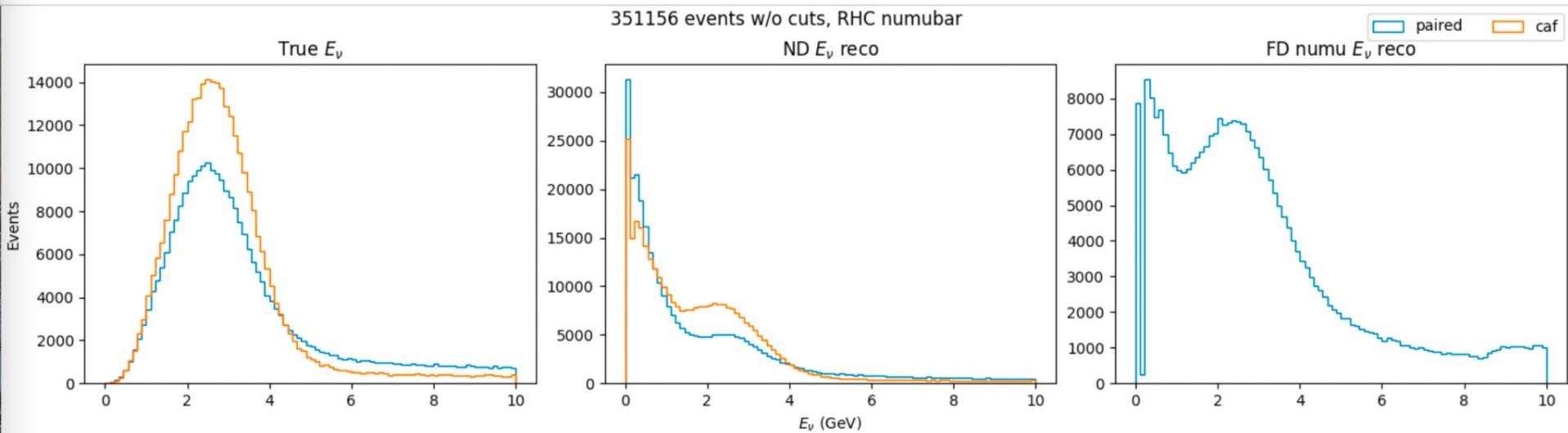
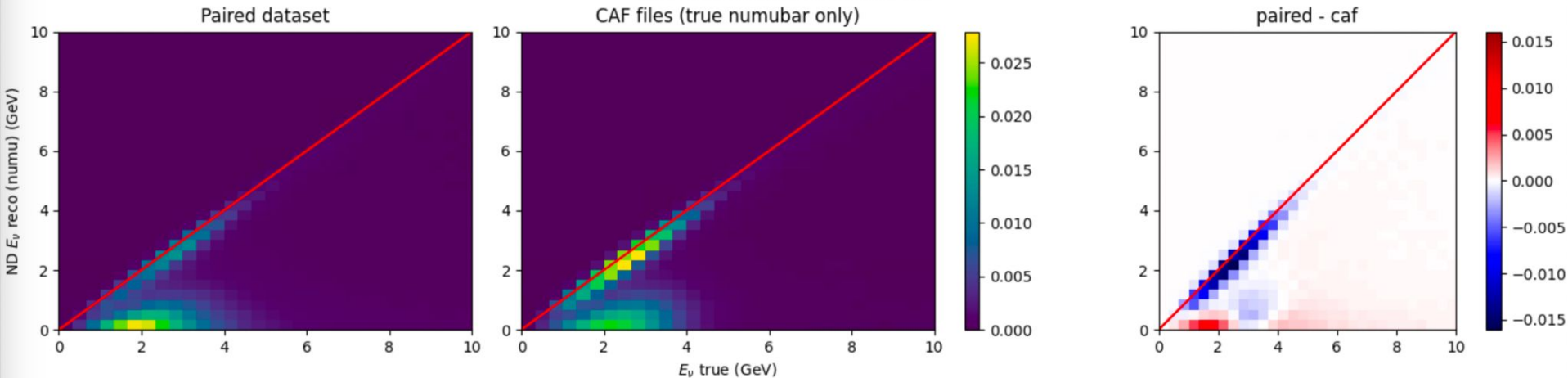
reco true



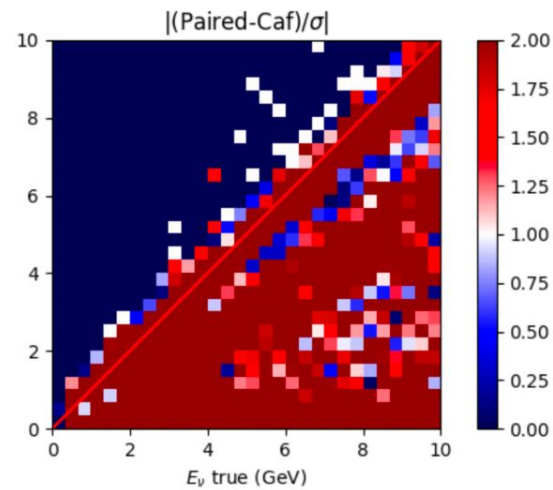
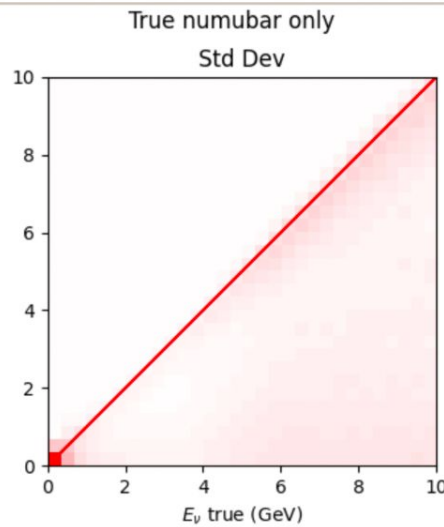
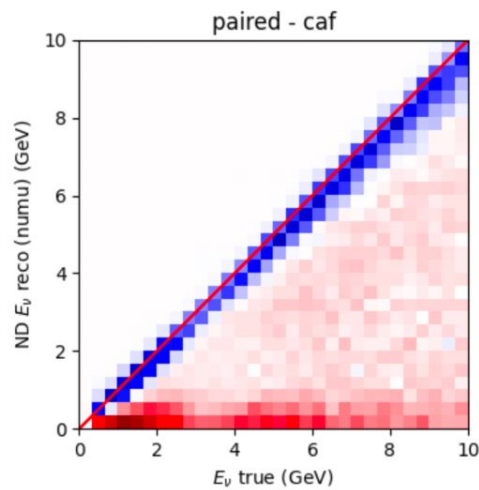
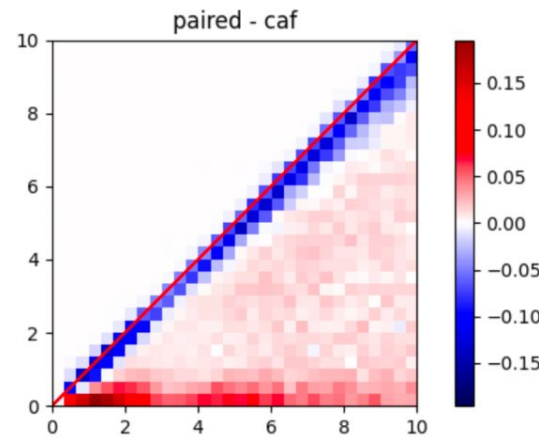
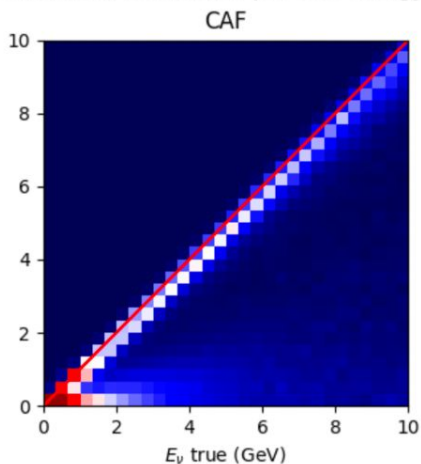
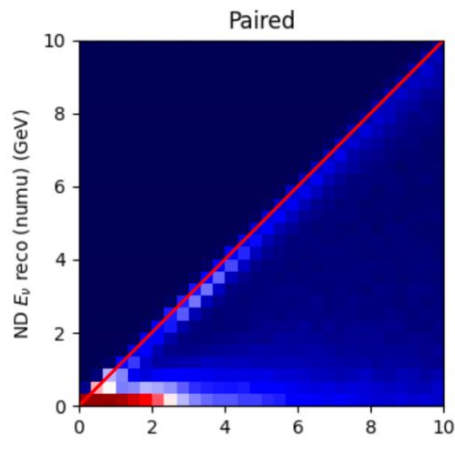
RHC numubar

ND Caf, paired

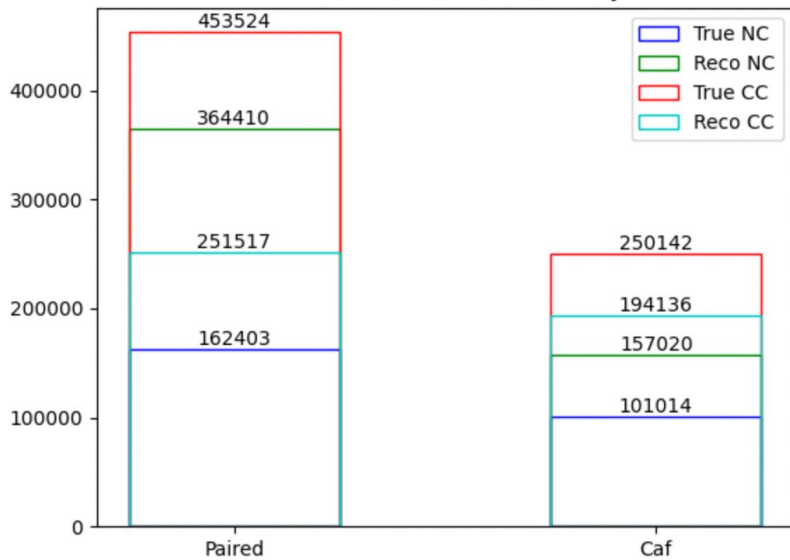
615927 paired events, 351156 CAF events (CAF vtx cut, pre energy cuts)
(RHC numubar, area normalized)



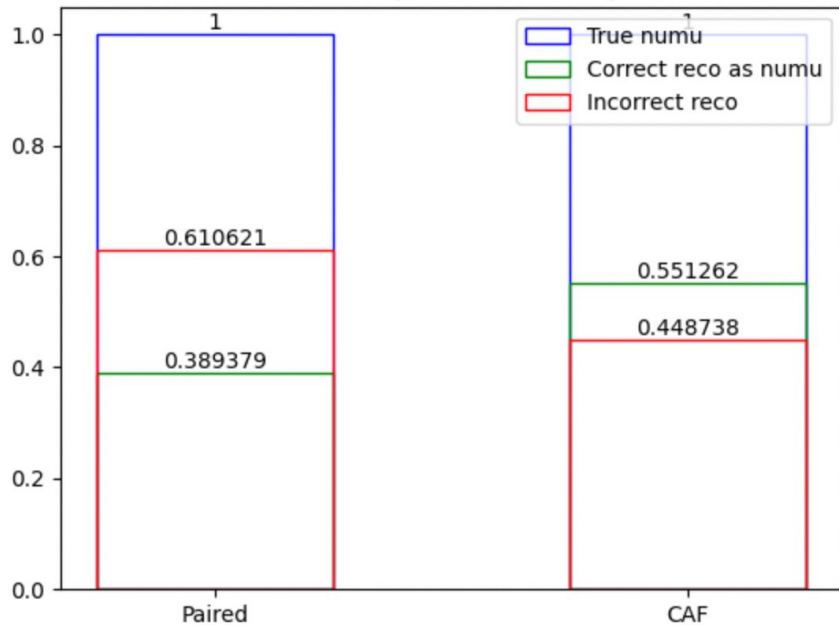
615927 paired events, 351156 CAF events (CAF vtx cut, pre energy cuts)
(RHC numubar, normalized per true energy bin)



CC and NC, true numubar only

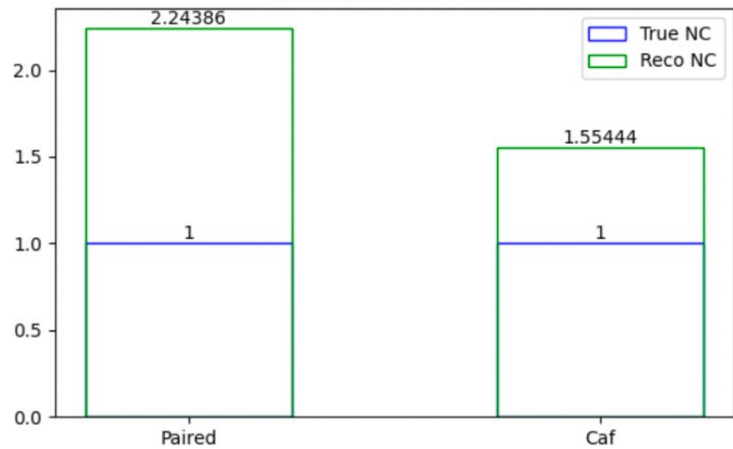


True numubar correctly reconstructed paired and caf

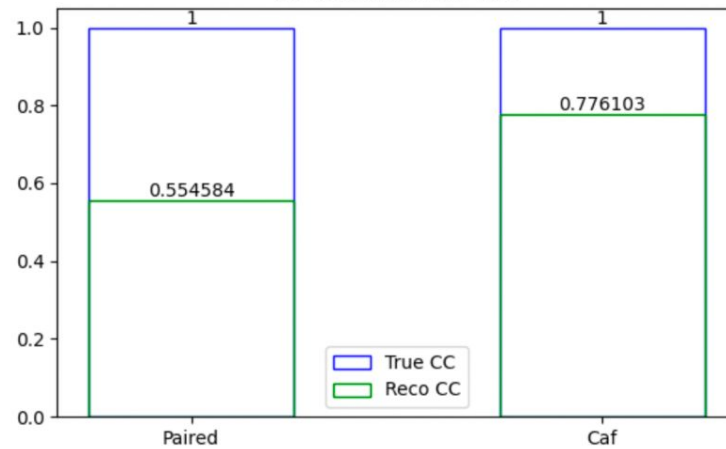


615927 Paired and 351156 CAF CC and NC events, numbar only

NC reconstruction rate

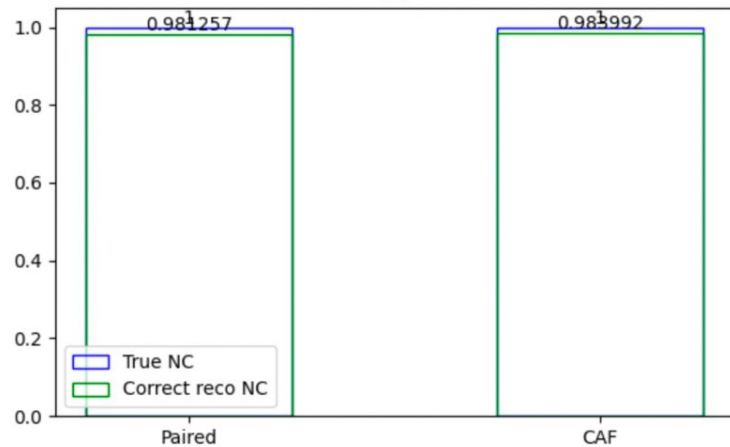


CC reconstruction rate

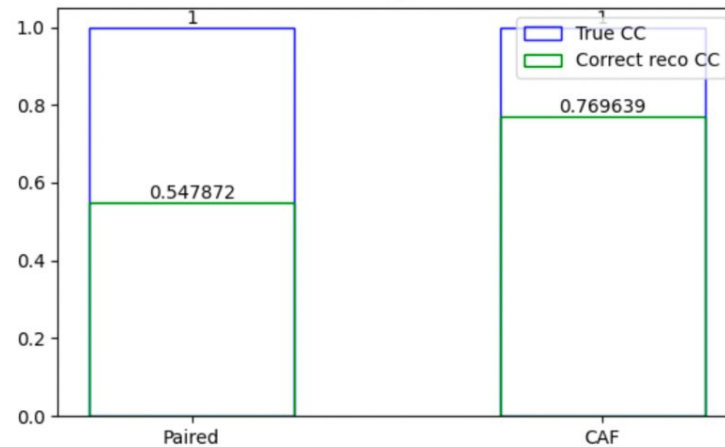


True numbar only correct NC and CC reco

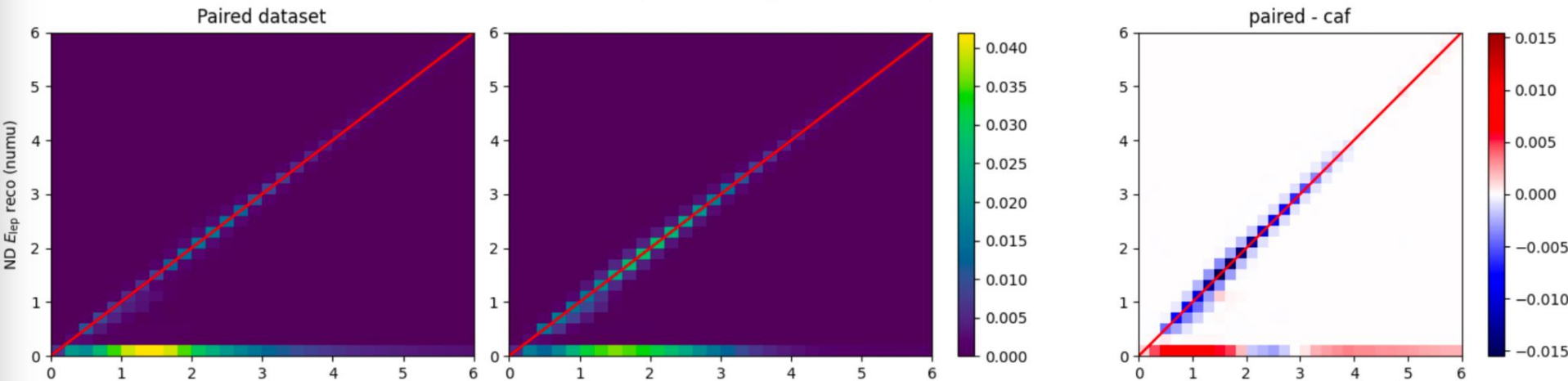
NC



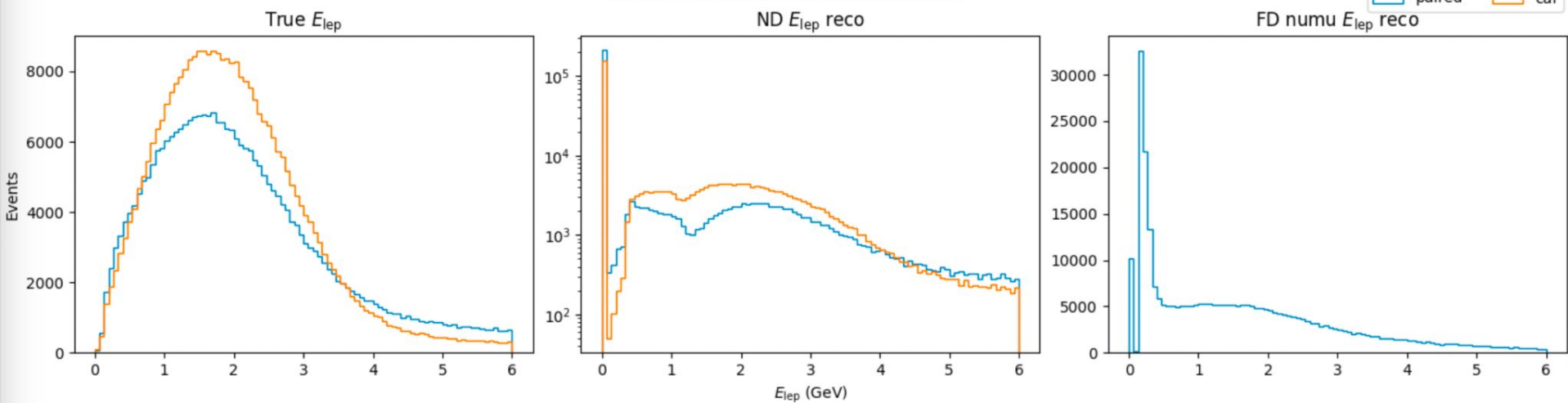
CC



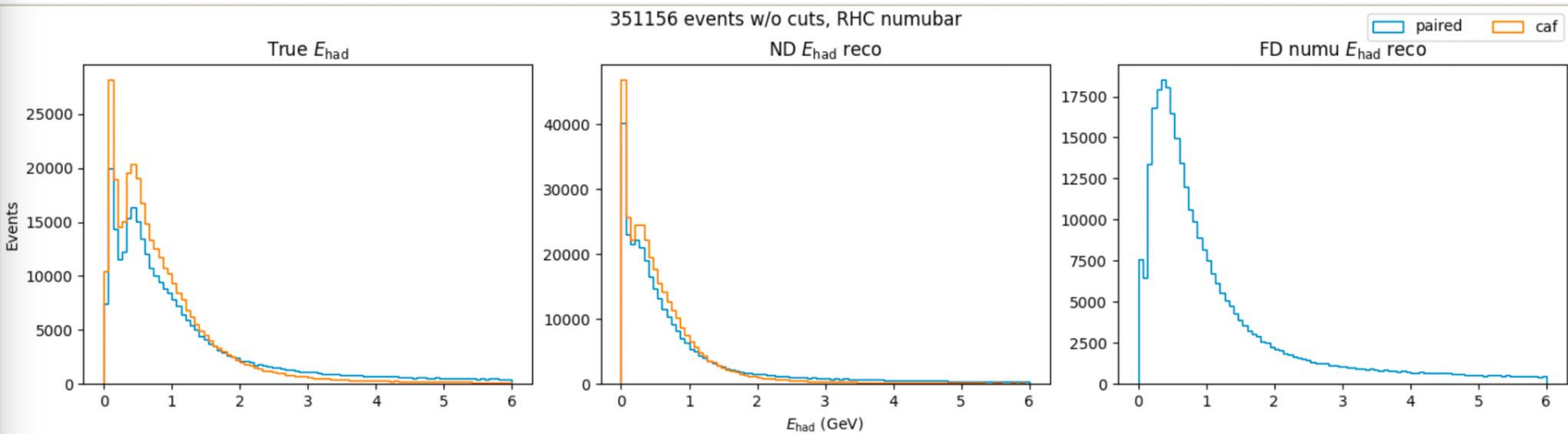
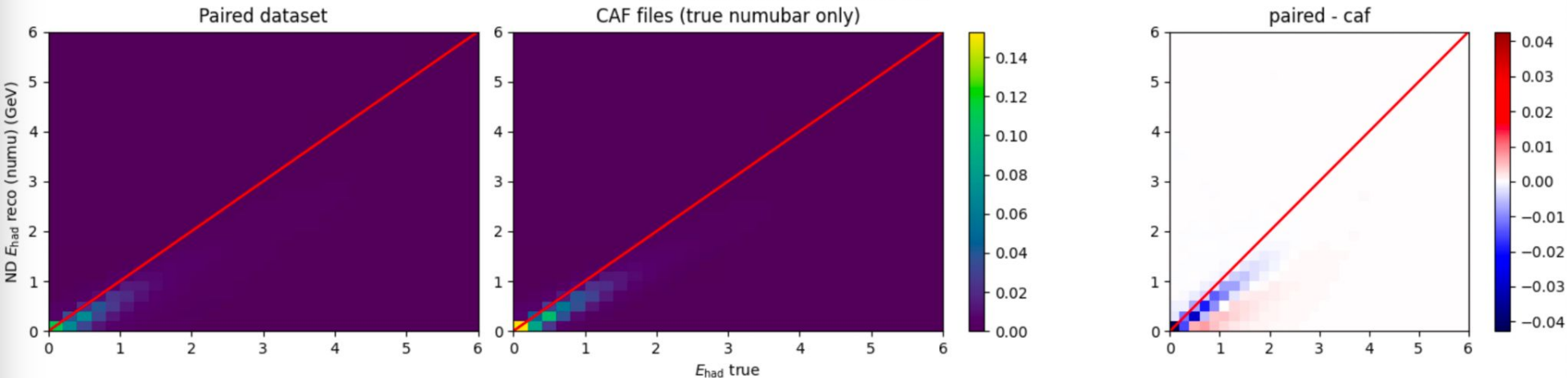
615927 paired events, 351156 CAF events (CAF vtx cut, pre energy cuts)
(RHC numbar, area normalized)



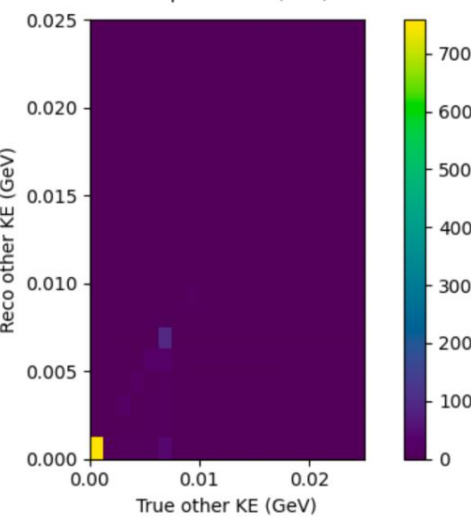
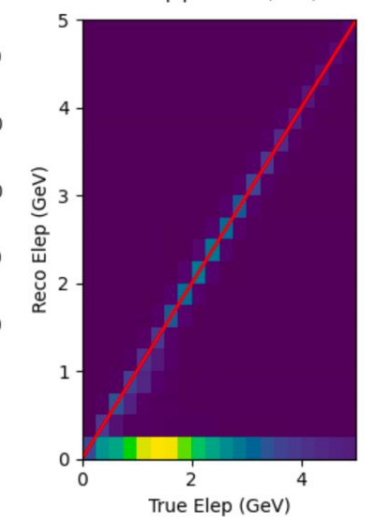
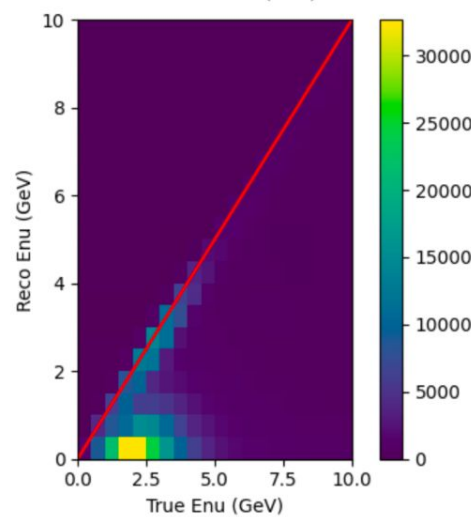
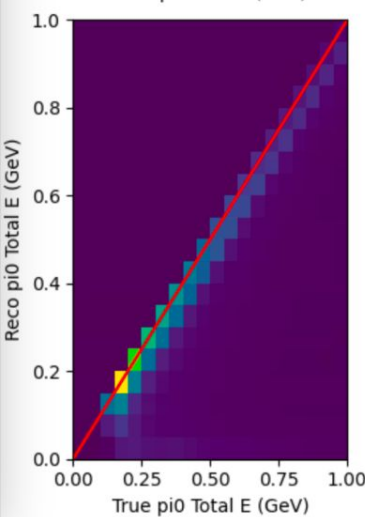
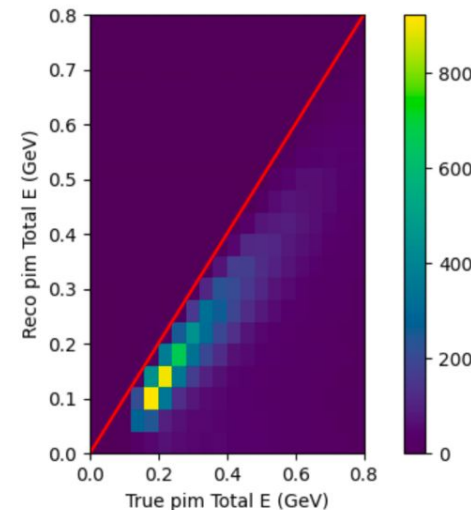
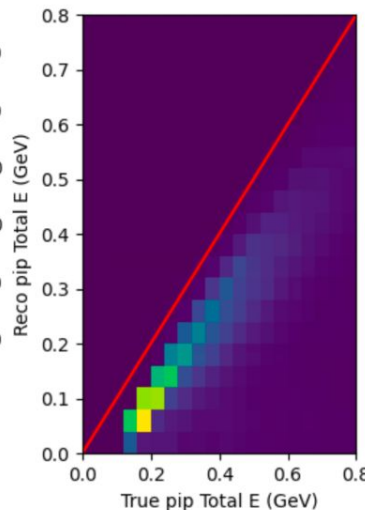
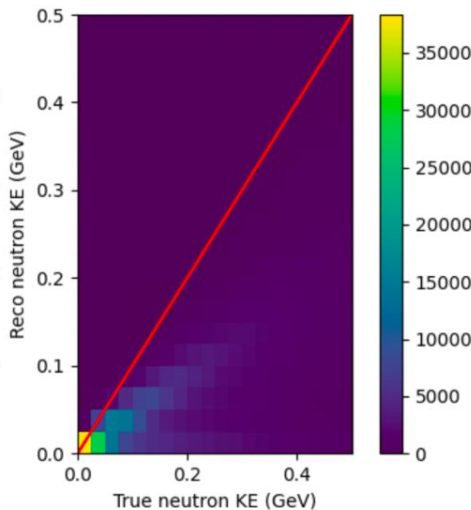
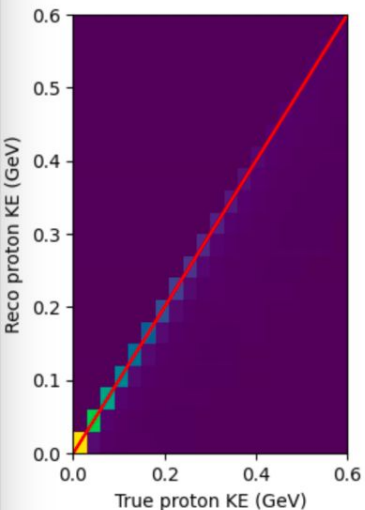
351156 events w/o cuts, RHC numbar



615927 paired events, 351156 CAF events (CAF vtx cut, pre energy cuts)
(RHC numubar, area normalized)



615927 RHC numbar ND paired events, > 0 true particles



453524 RHC CNumubar paired events

reco true

