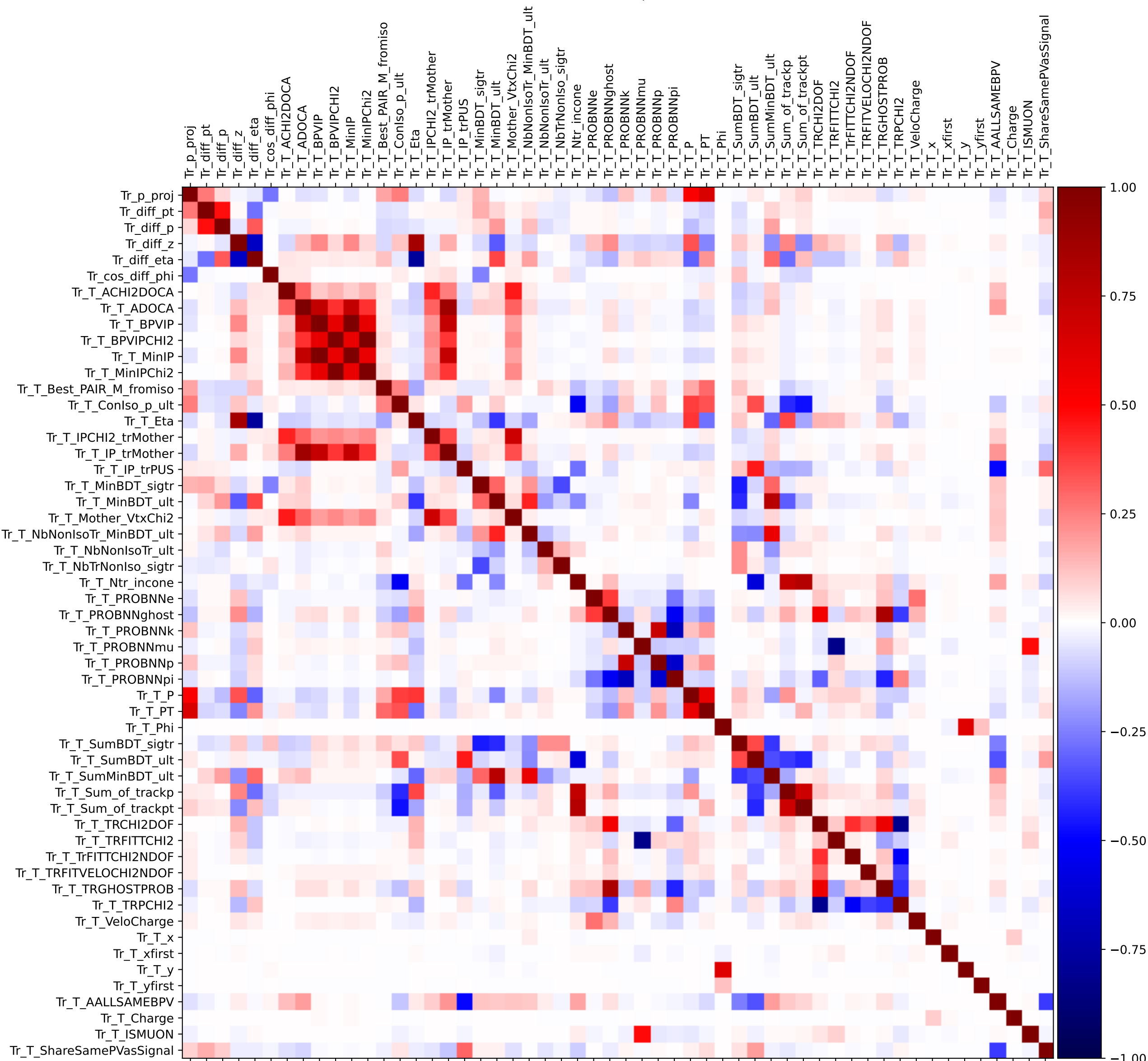
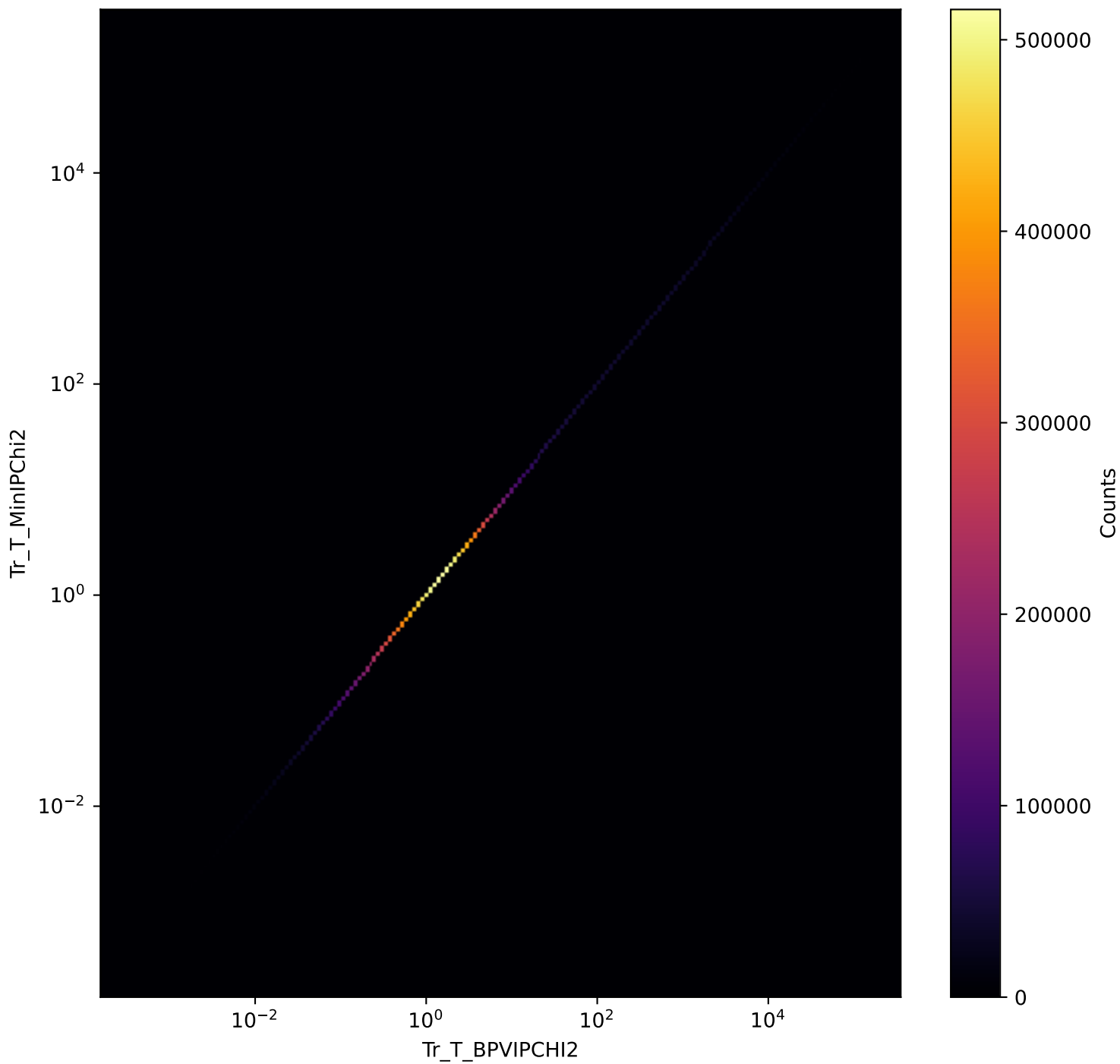


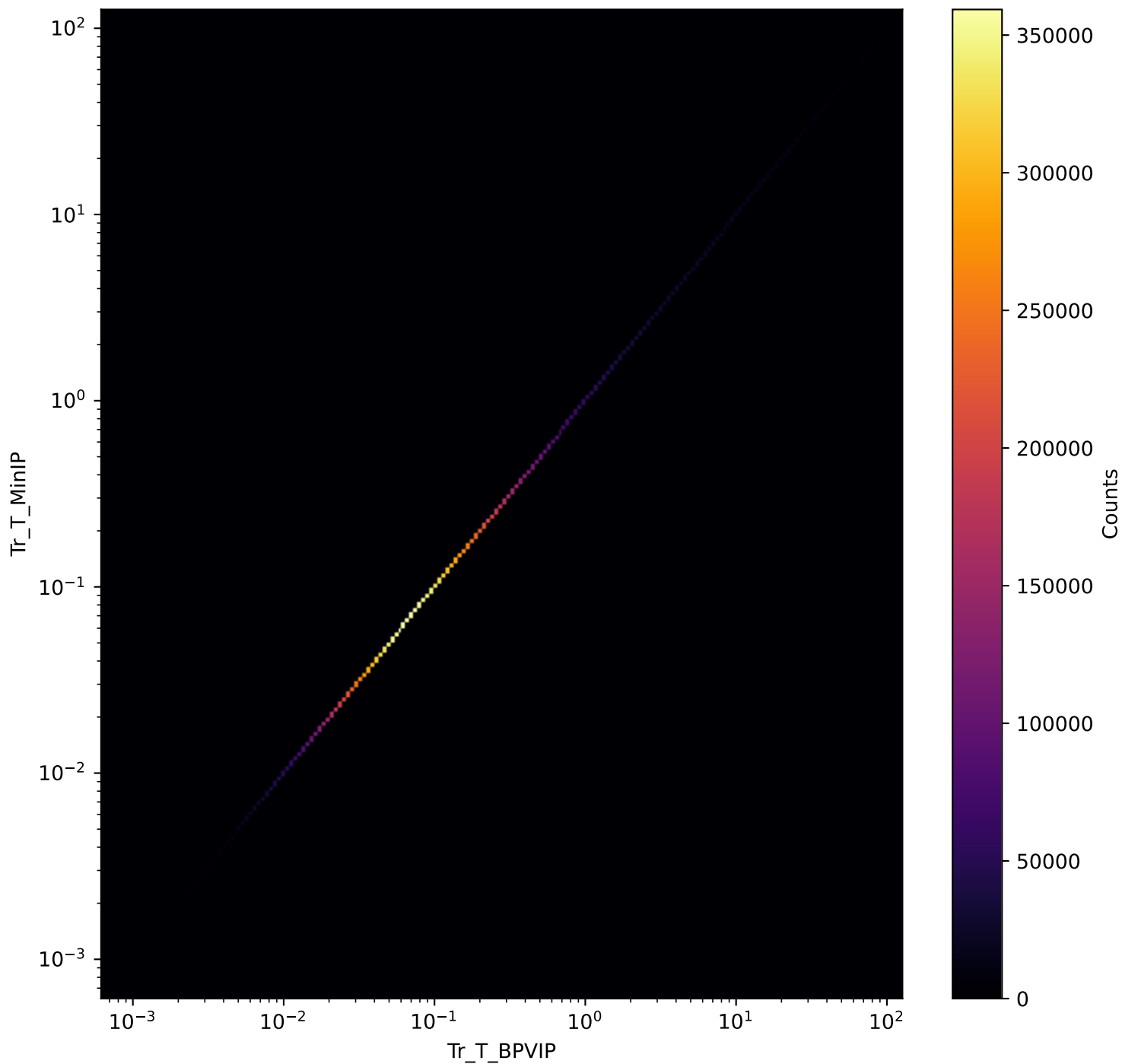
Feature Correlation  
 Evaluated with cuts at quantiles 0.0001-0.9999  
 Tracks: 17895172 / 18027892



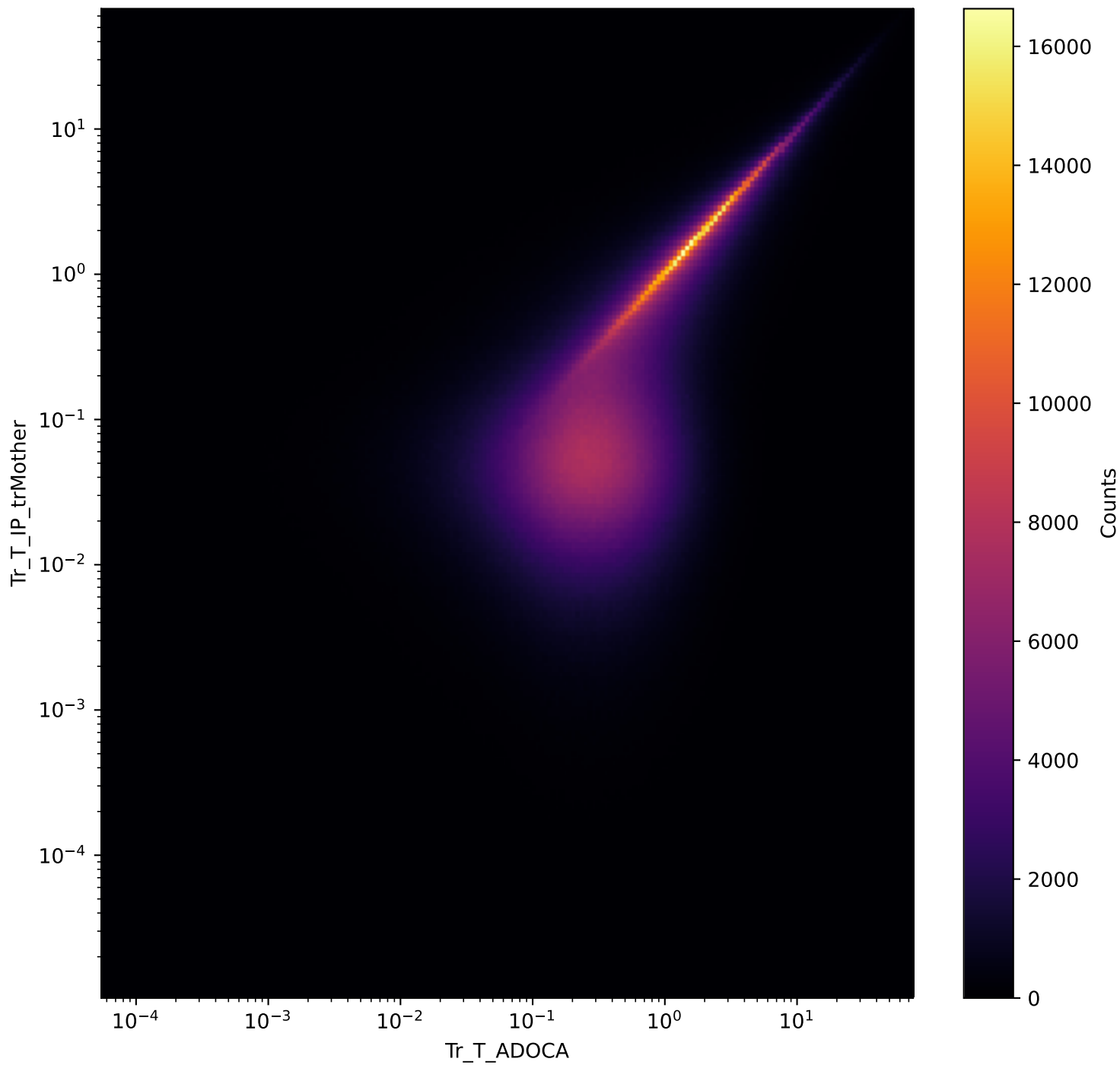
Hist2d Plot ('Tr\_T\_BPVIPCHI2' vs 'Tr\_T\_MinIPChi2')  
correlation: 1.00000



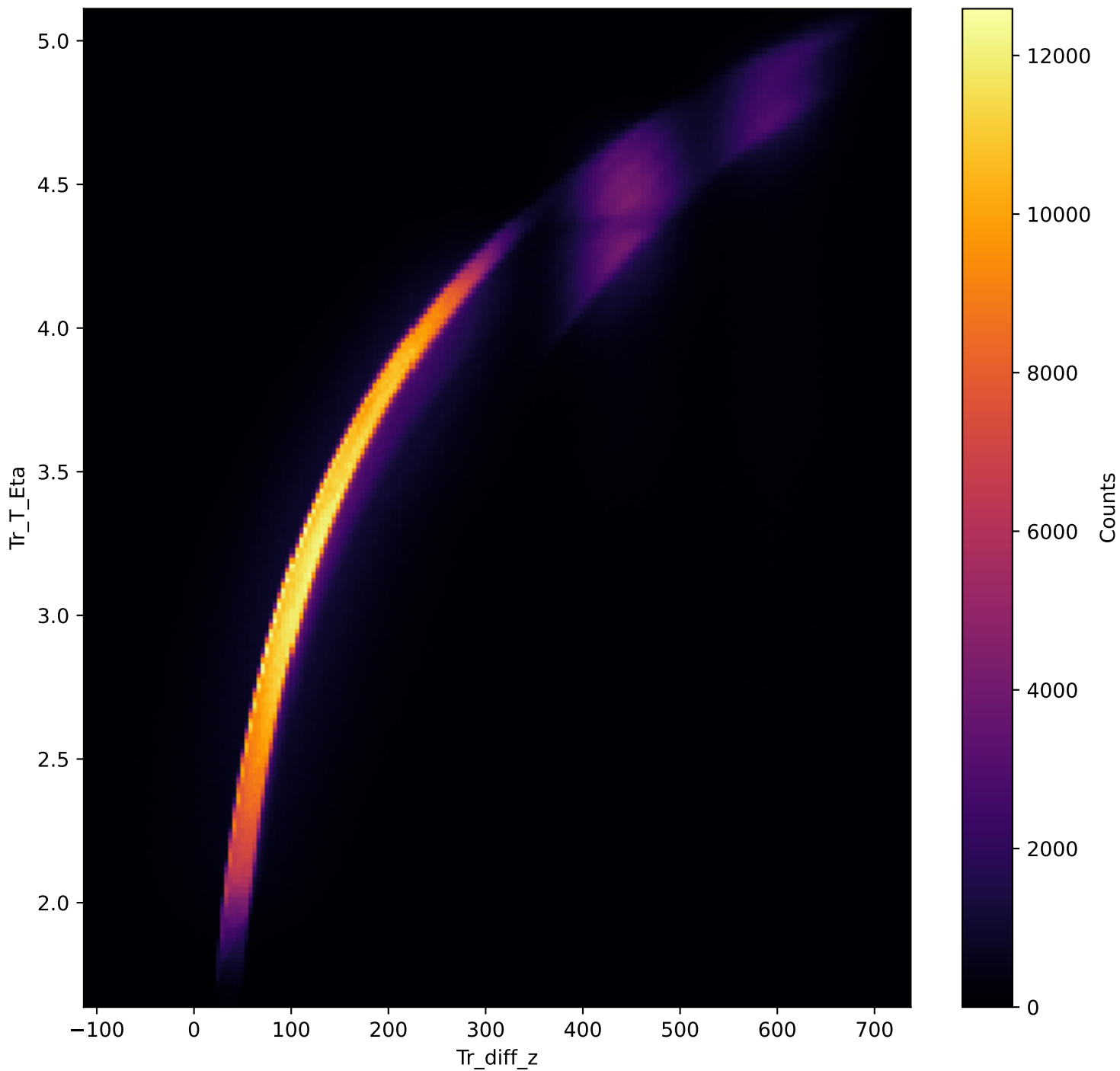
Hist2d Plot ('Tr\_T\_BPVIP' vs 'Tr\_T\_MinIP')  
correlation: 0.99811



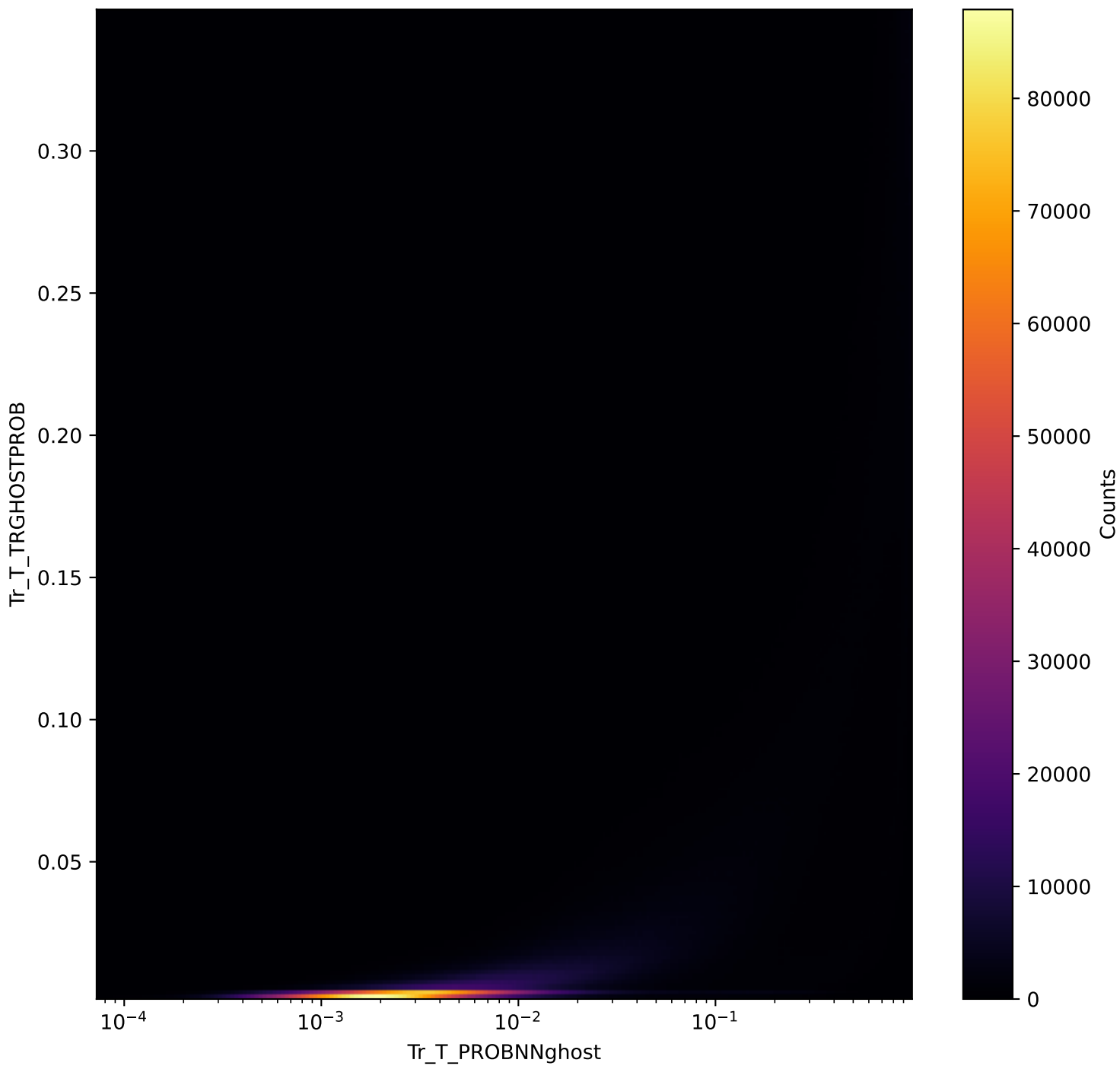
Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_IP\_trMother')  
correlation: 0.87118



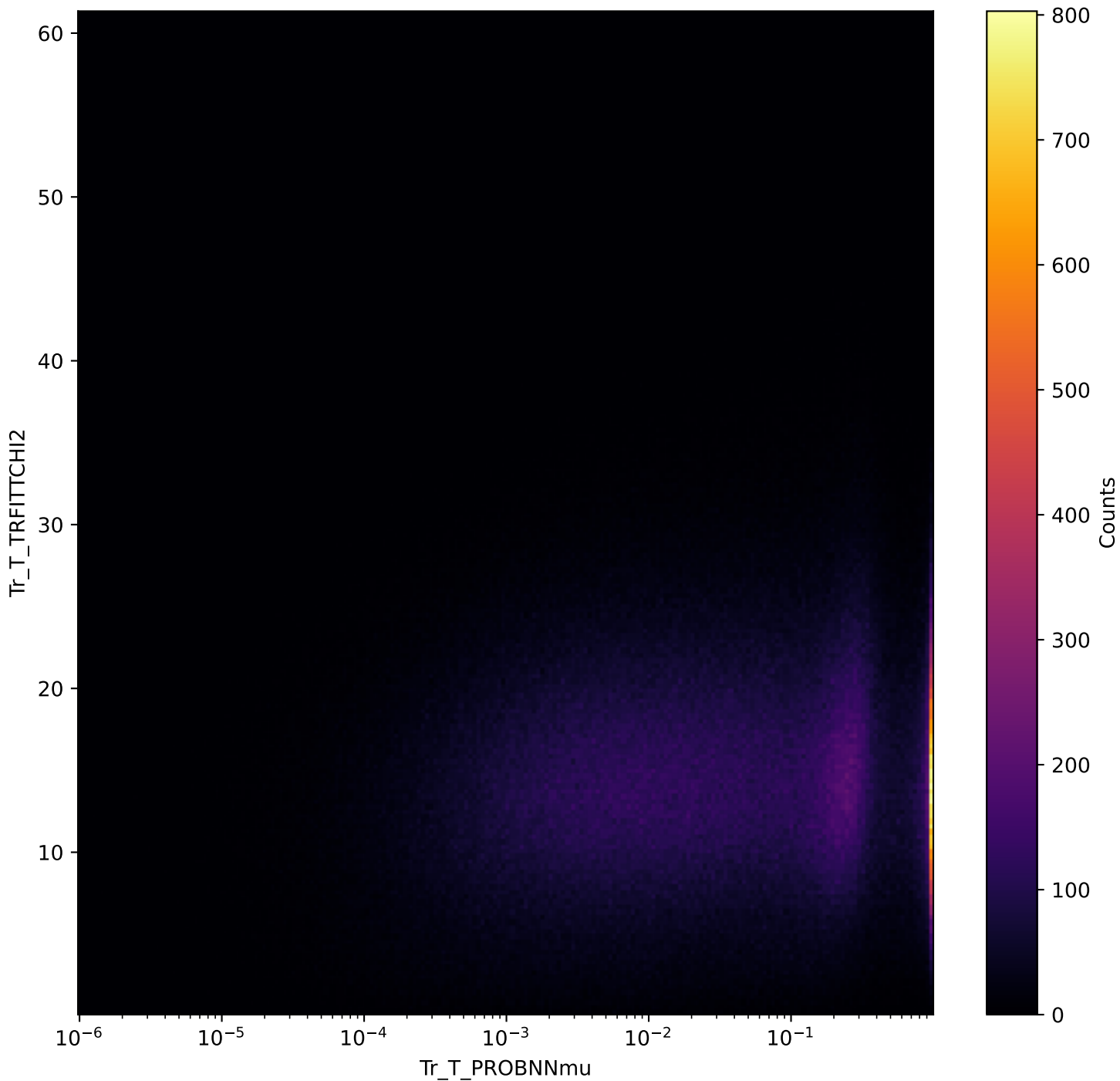
Hist2d Plot ('Tr\_diff\_z' vs 'Tr\_T\_Eta')  
correlation: 0.84483



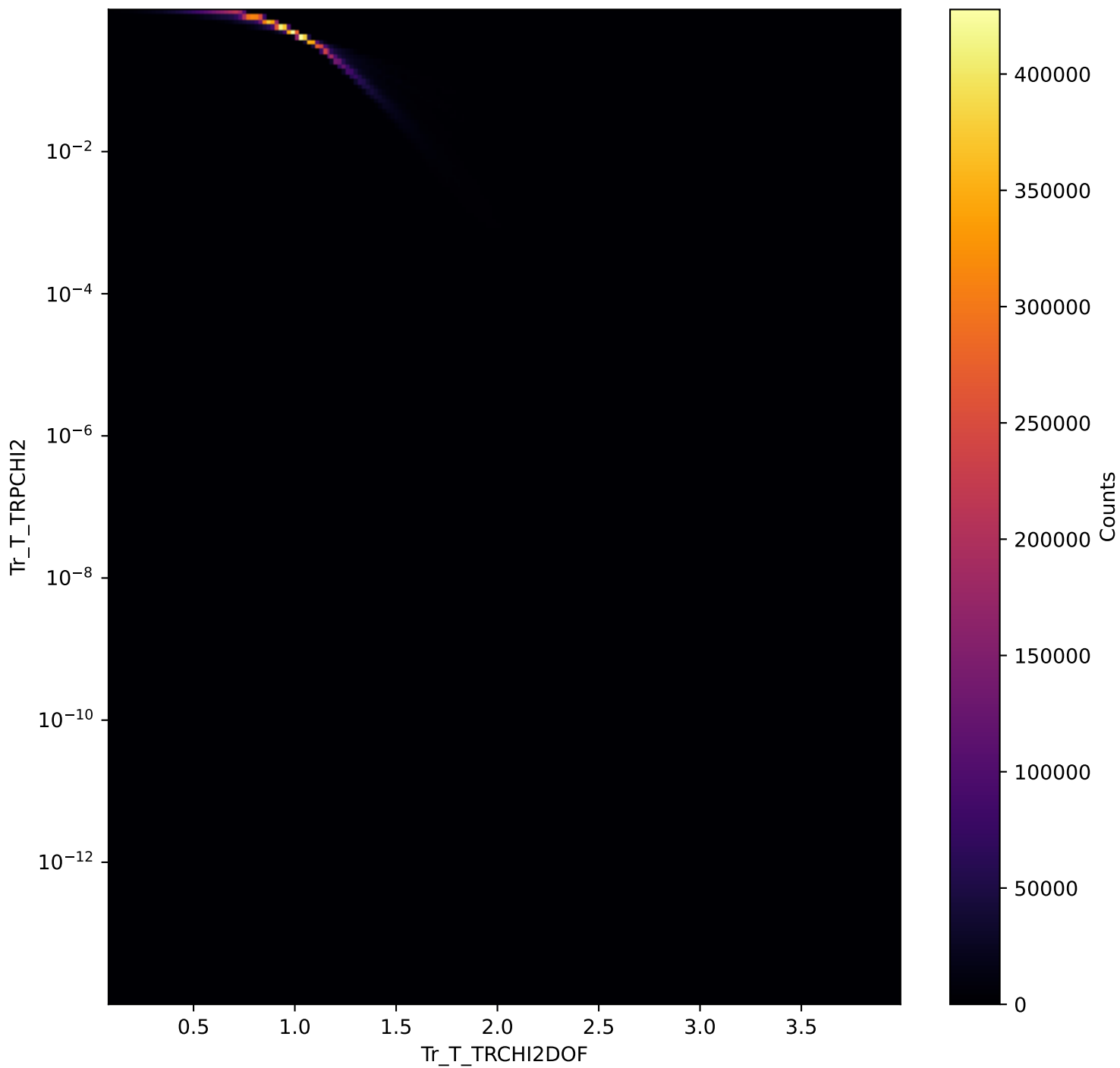
Hist2d Plot ('Tr\_T\_PROBNNghost' vs 'Tr\_T\_TRGHOSTPROB')  
correlation: 0.82479



Hist2d Plot ('Tr\_T\_PROBNNmu' vs 'Tr\_T\_TRFITTCH12')  
correlation: -0.82087

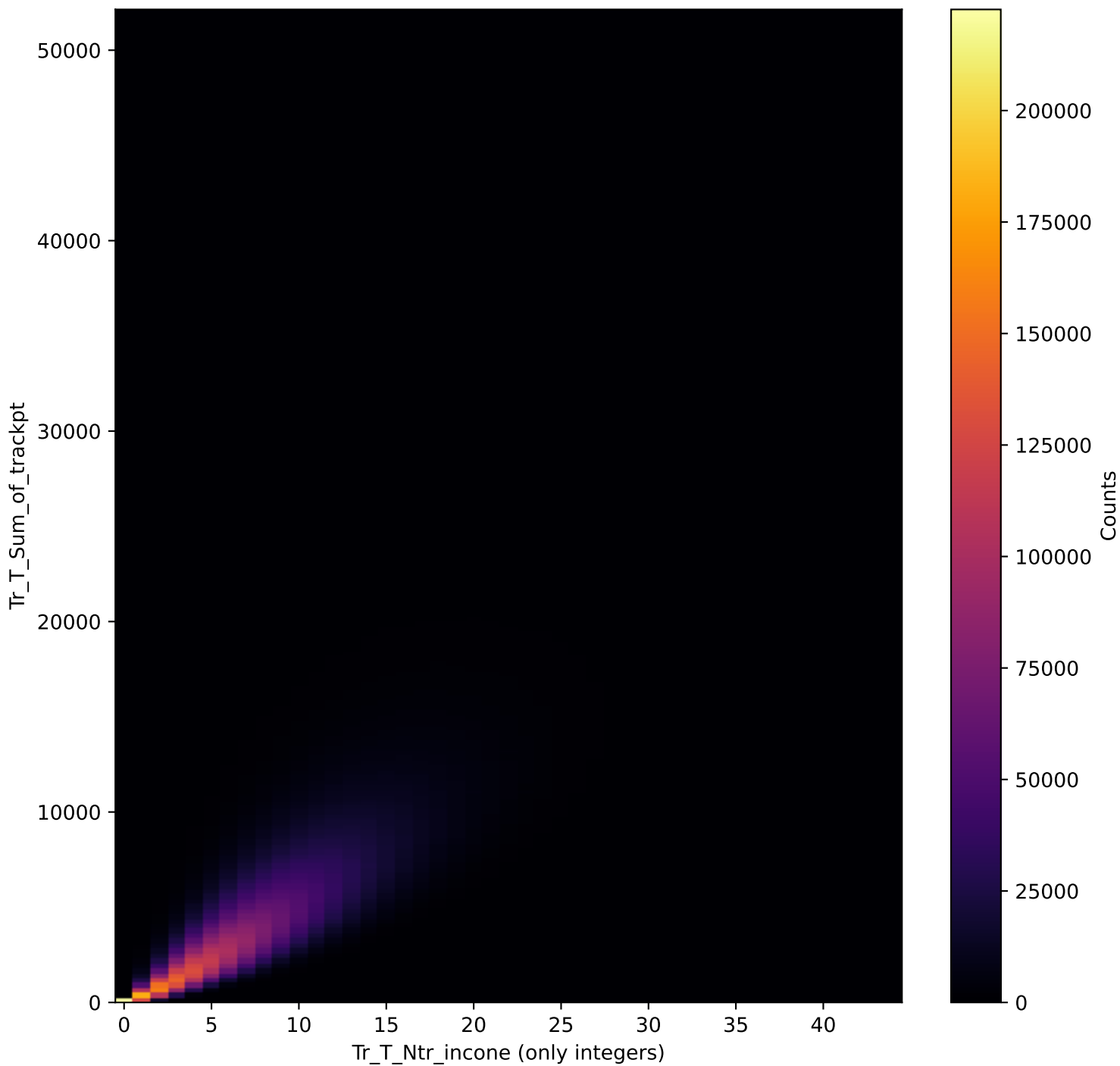


Hist2d Plot ('Tr\_T\_TRCHI2DOF' vs 'Tr\_T\_TRPCHI2')  
correlation: -0.80710

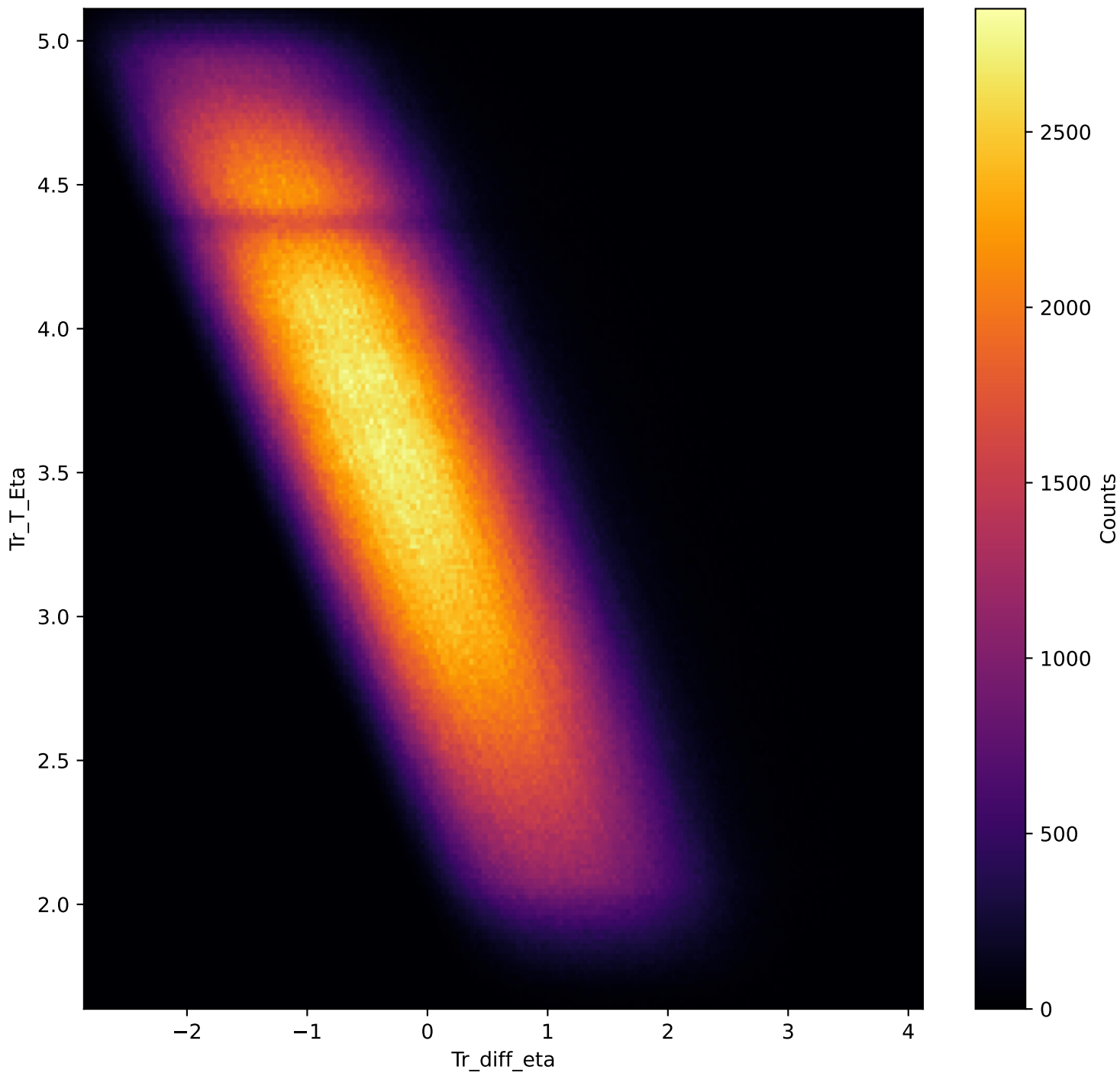




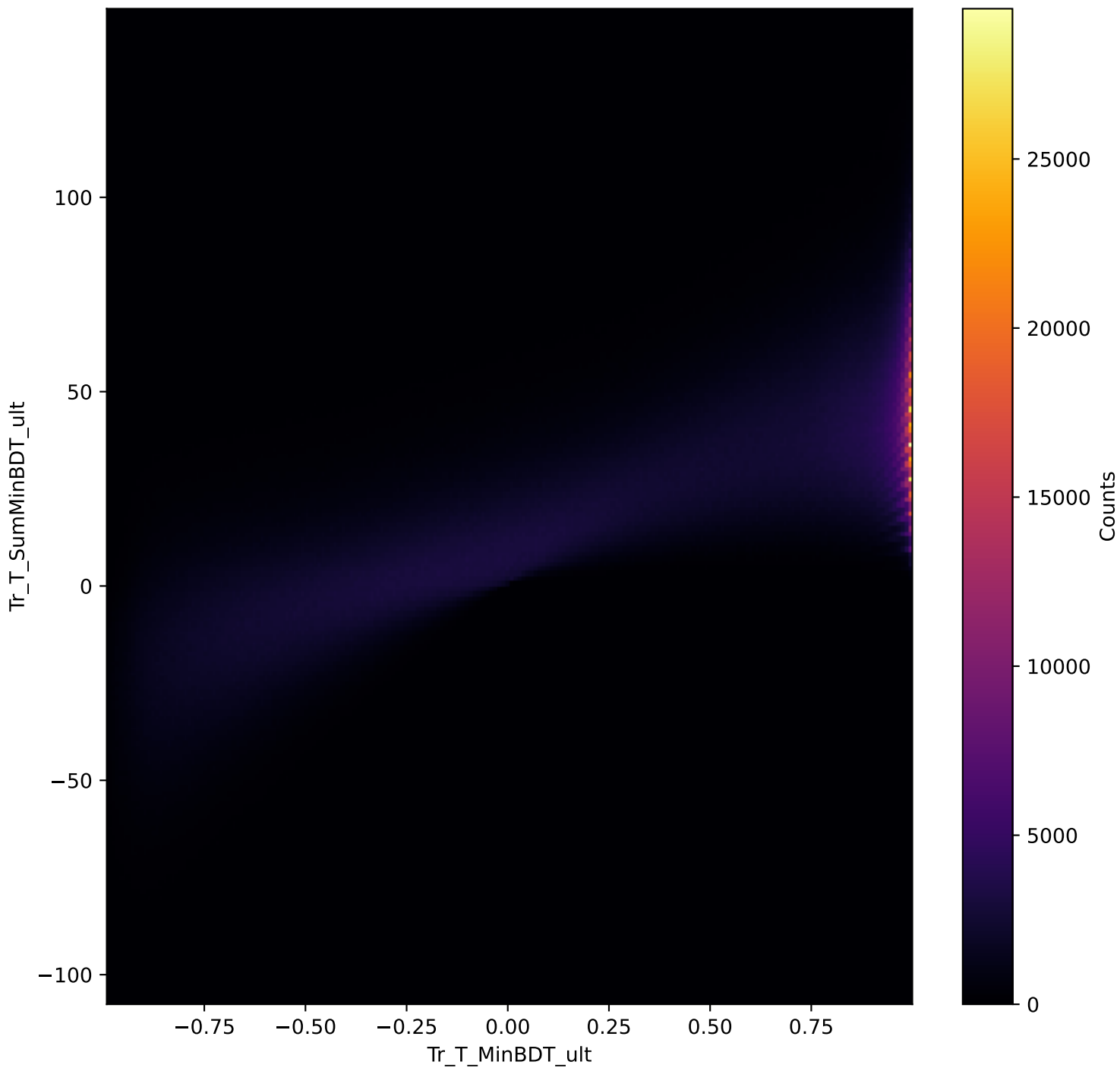
Hist2d Plot ('Tr\_T\_Ntr\_incone' vs 'Tr\_T\_Sum\_of\_trackpt')  
correlation: 0.78326



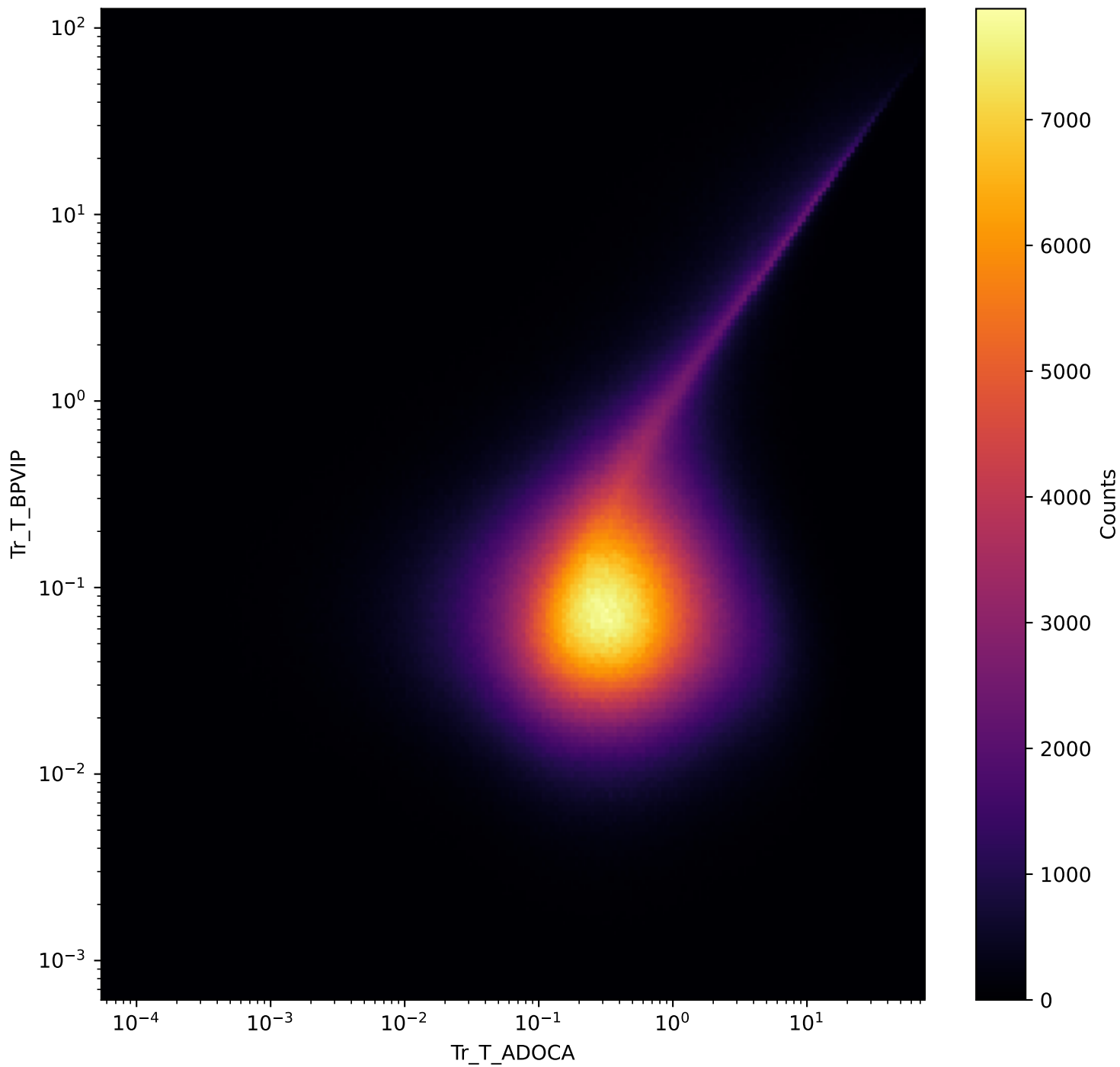
Hist2d Plot ('Tr\_diff\_eta' vs 'Tr\_T\_Eta')  
correlation: -0.77958



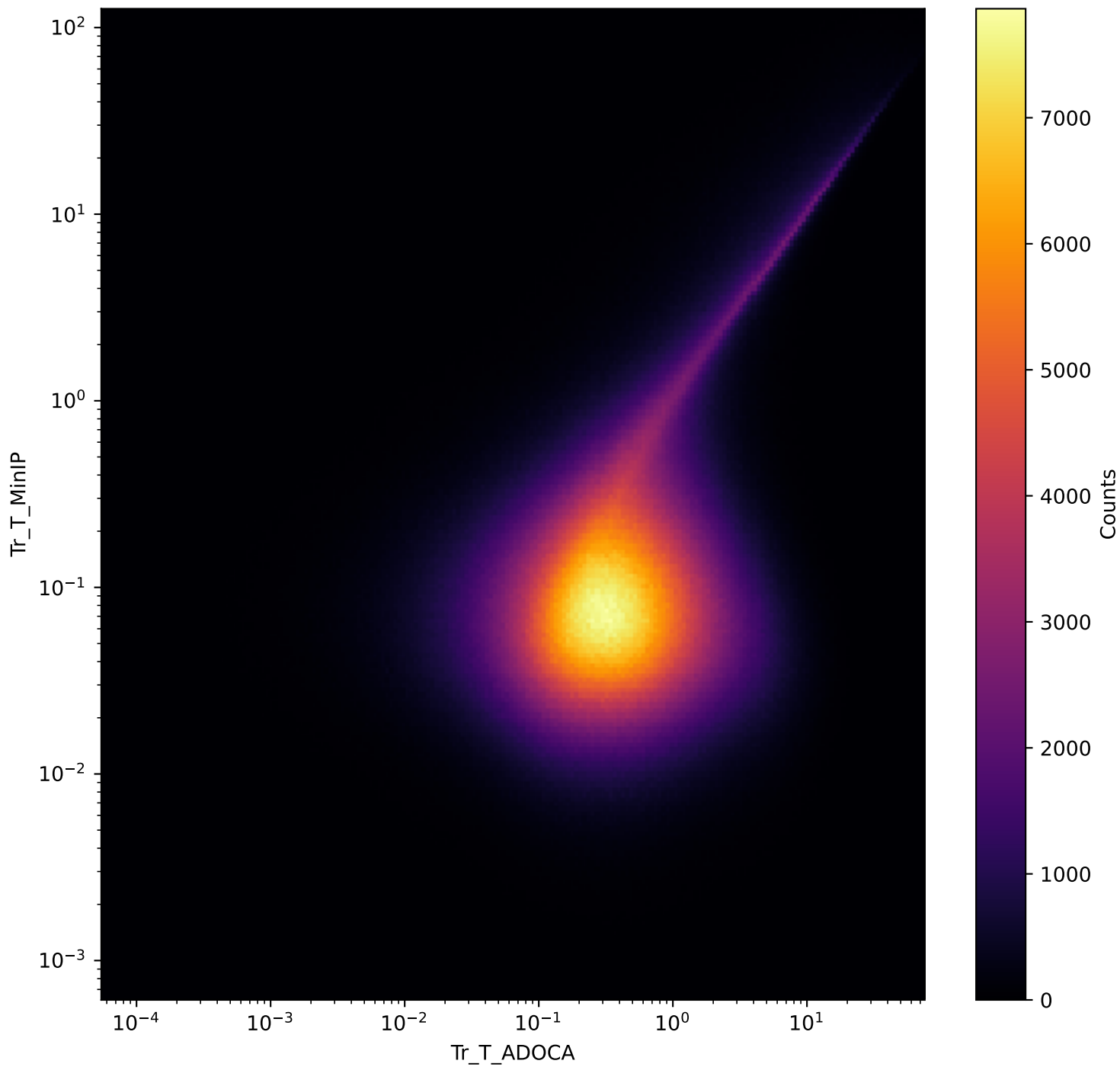
Hist2d Plot ('Tr\_T\_MinBDT\_ult' vs 'Tr\_T\_SumMinBDT\_ult')  
correlation: 0.77708



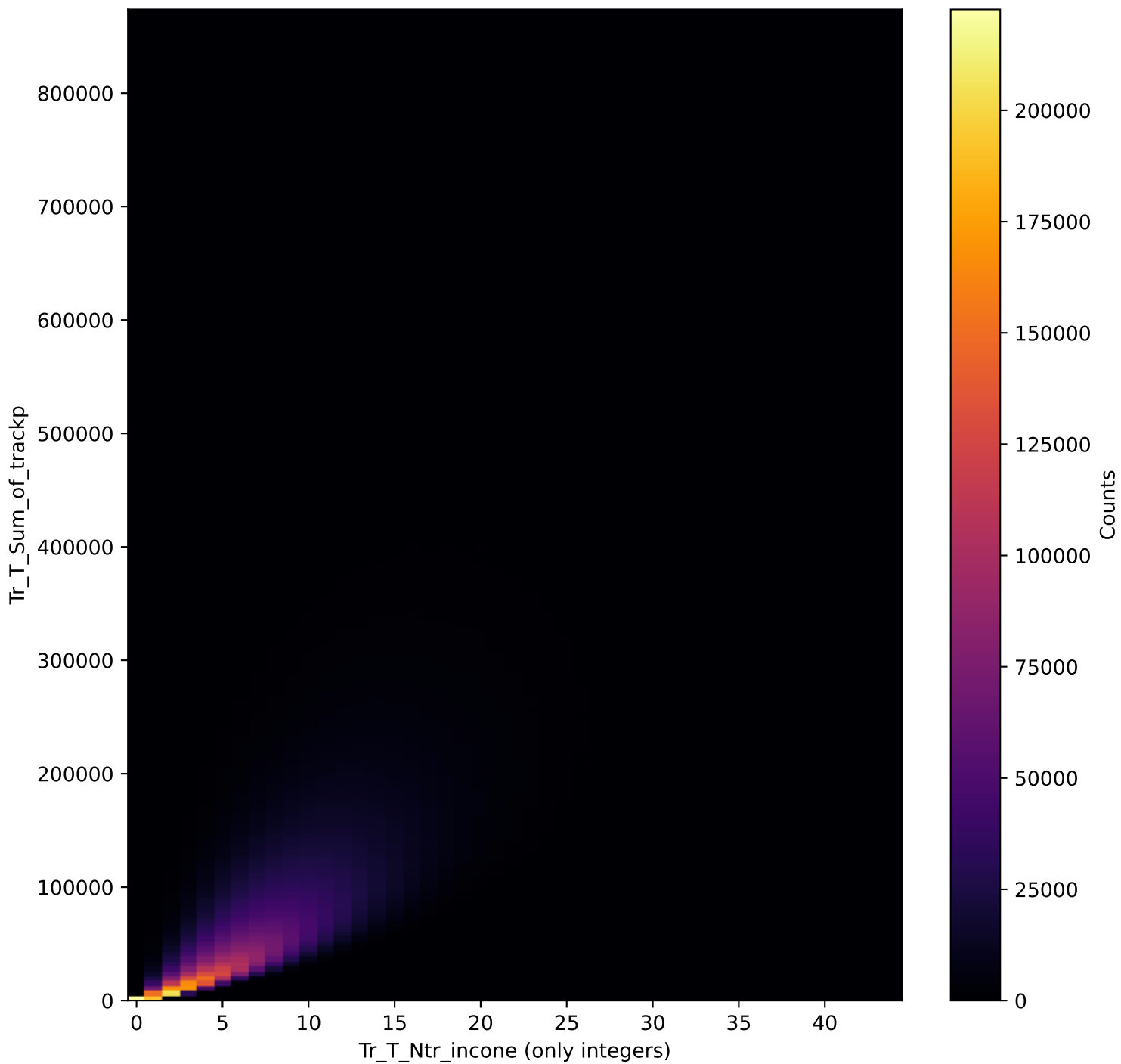
Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_BPVIP')  
correlation: 0.72840



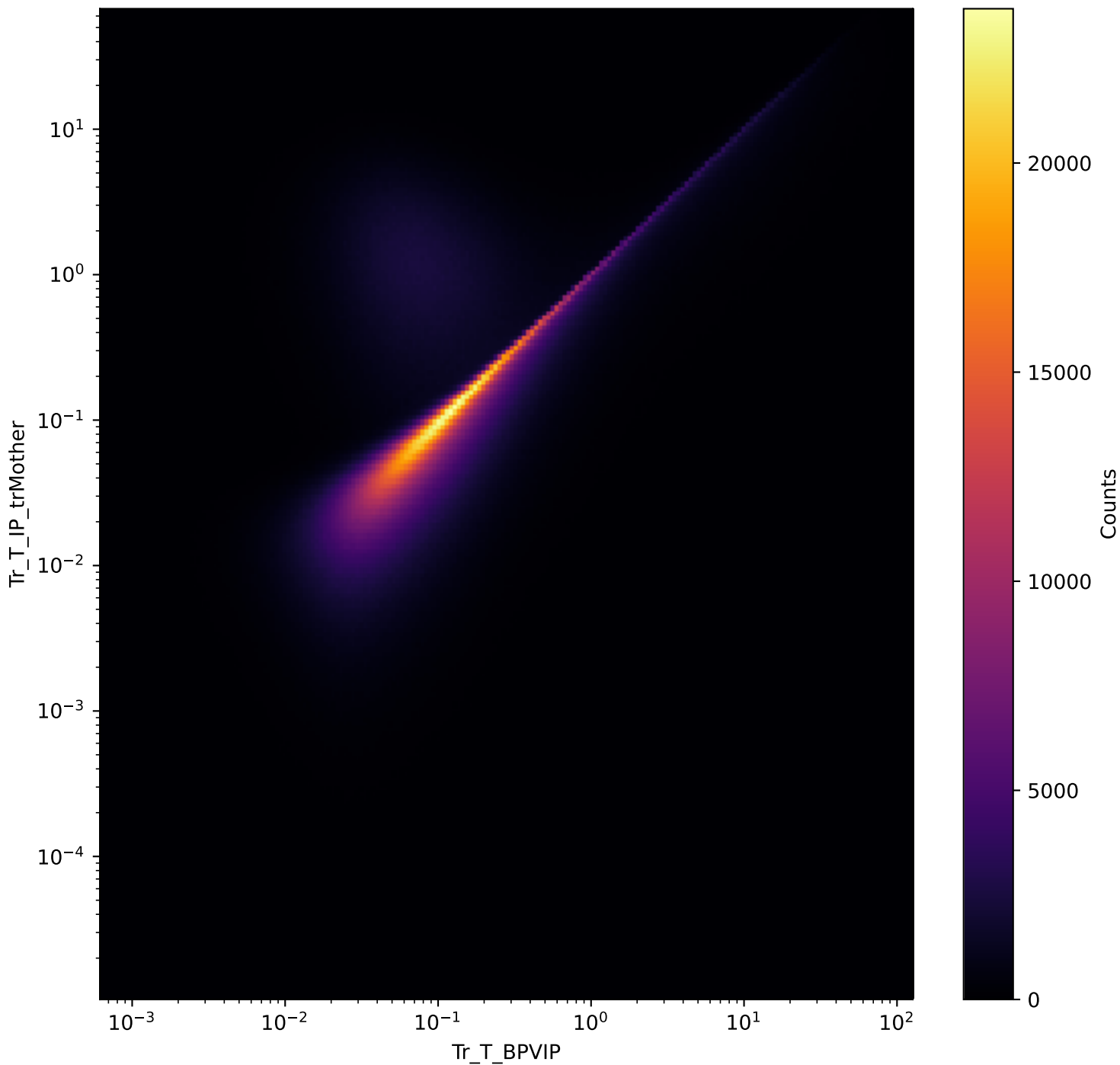
Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_MinIP')  
correlation: 0.72835



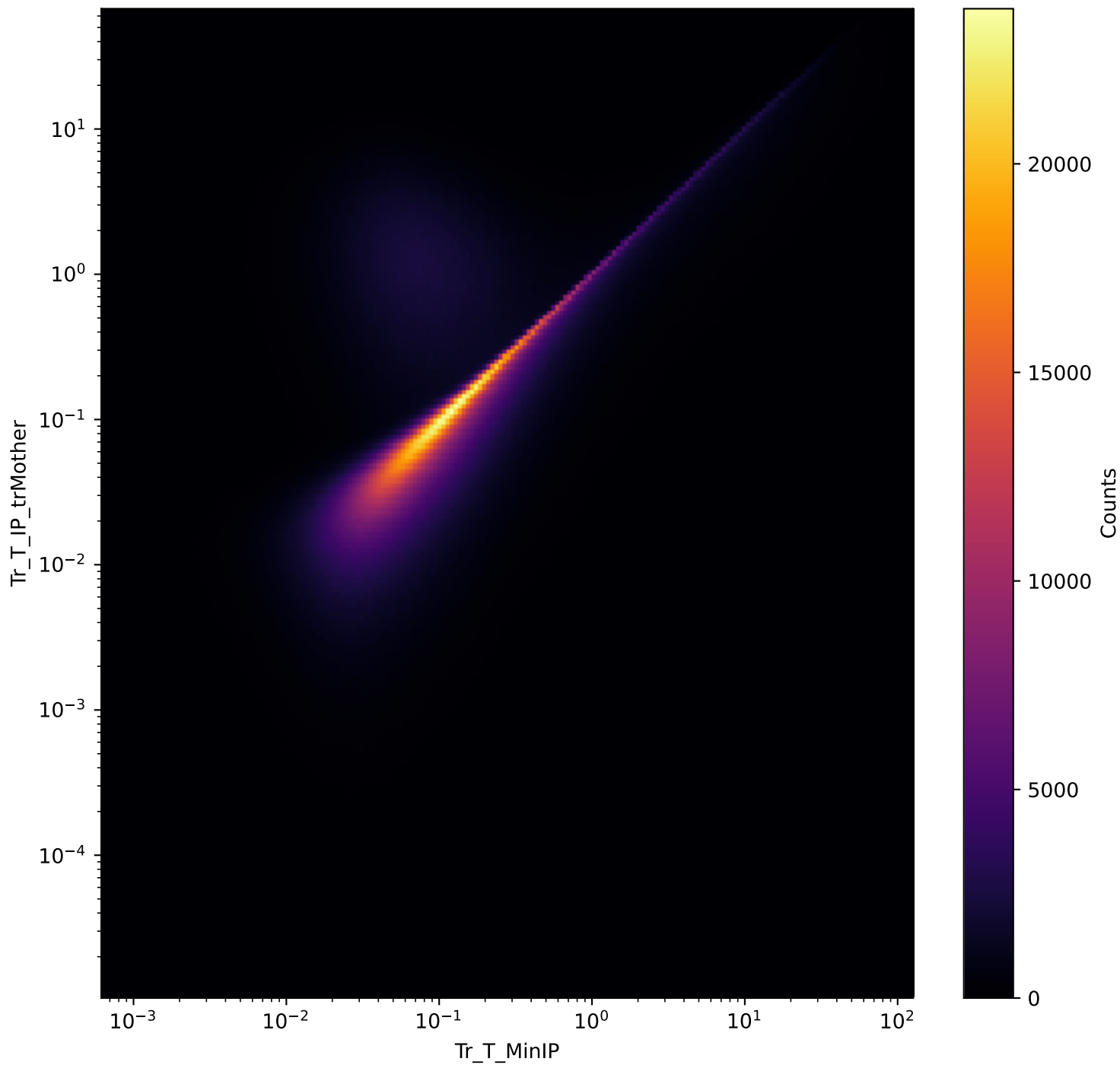
Hist2d Plot ('Tr\_T\_Ntr\_incone' vs 'Tr\_T\_Sum\_of\_trackp')  
correlation: 0.72802



Hist2d Plot ('Tr\_T\_BPVIP' vs 'Tr\_T\_IP\_trMother')  
correlation: 0.72587

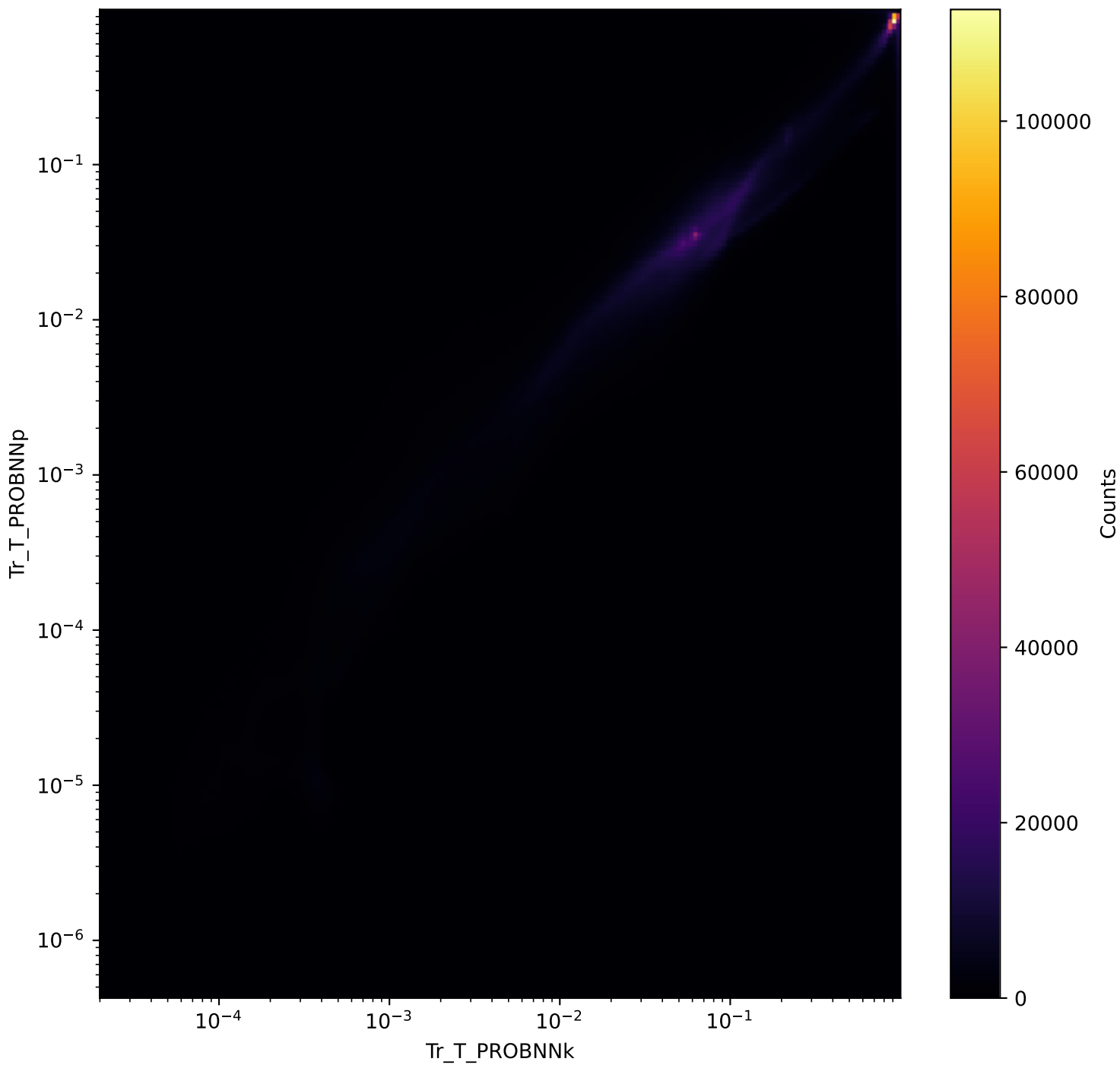


Hist2d Plot ('Tr\_T\_MinIP' vs 'Tr\_T\_IP\_trMother')  
correlation: 0.72539

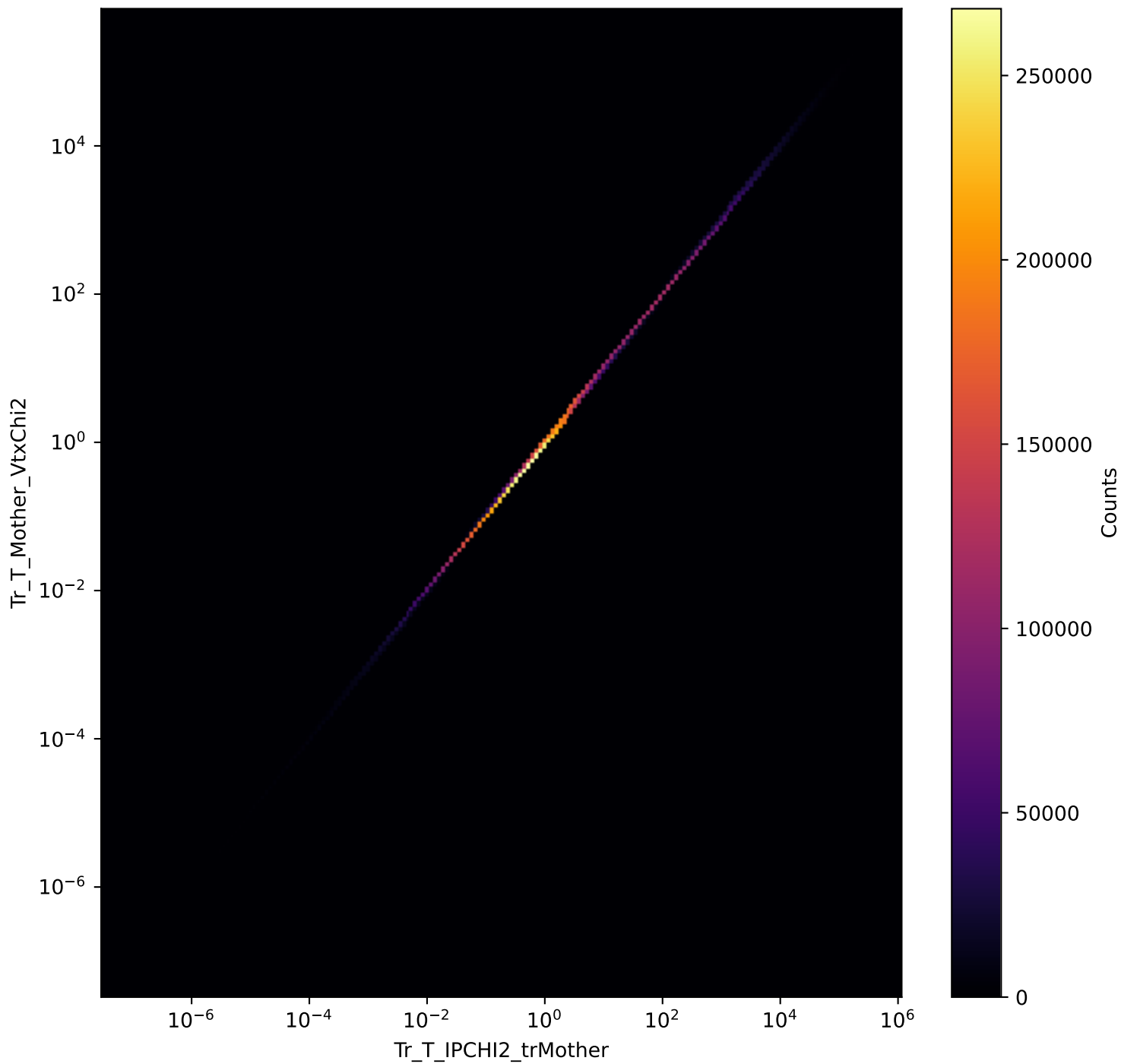




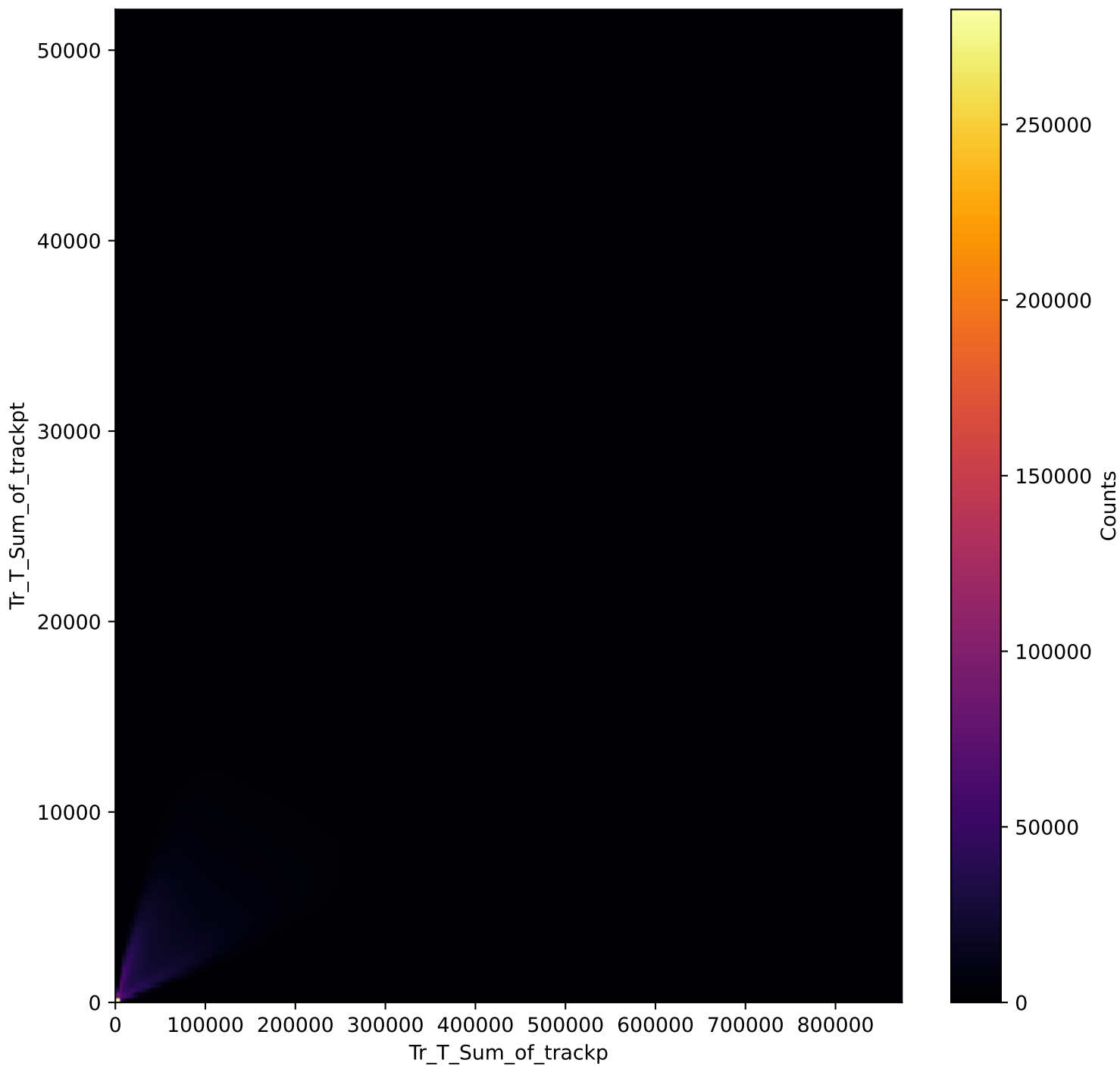
Hist2d Plot ('Tr\_T\_PROBNNk' vs 'Tr\_T\_PROBNNp')  
correlation: 0.71319



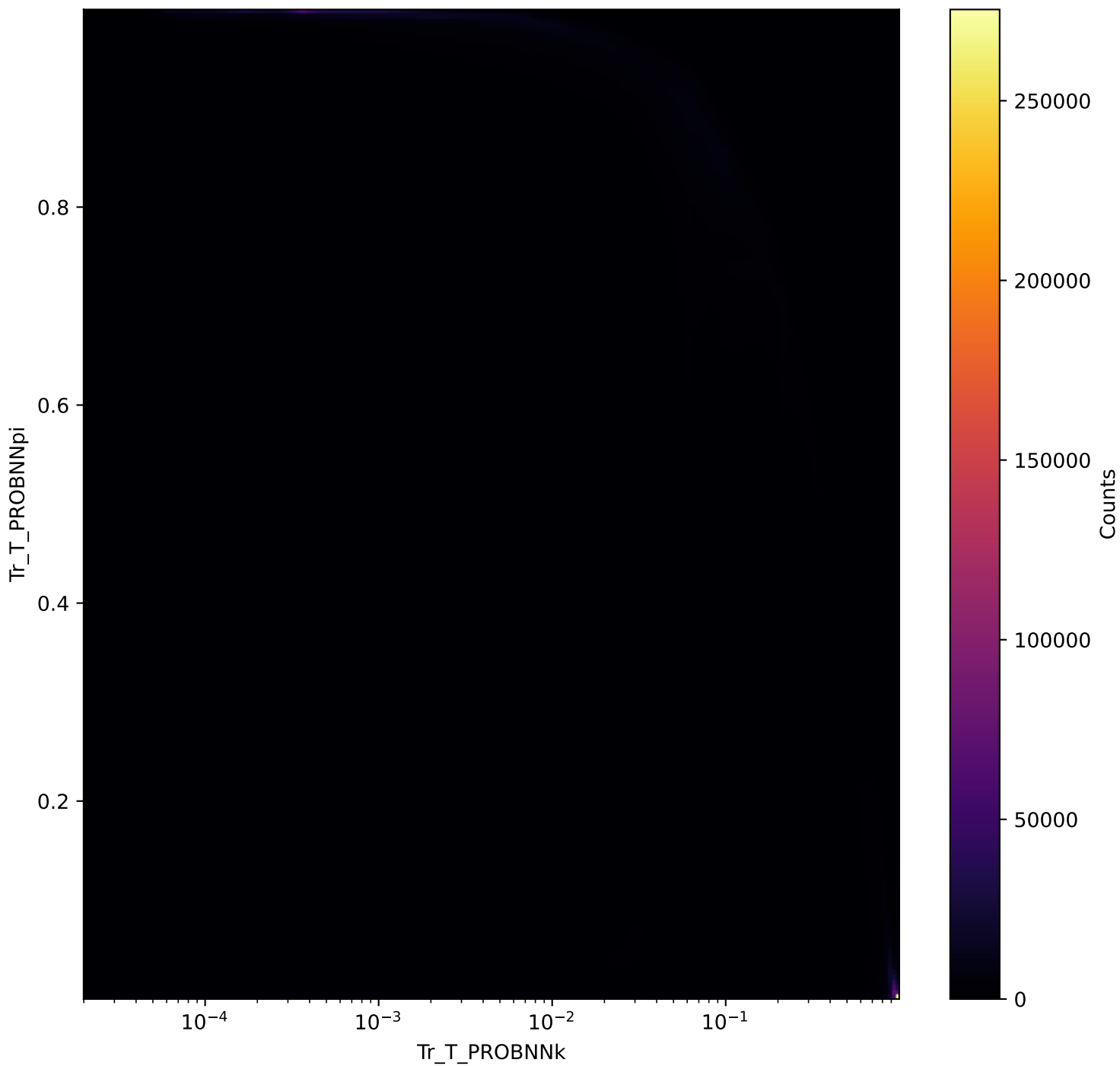
Hist2d Plot ('Tr\_T\_IPCHI2\_trMother' vs 'Tr\_T\_Mother\_VtxChi2')  
correlation: 0.69296



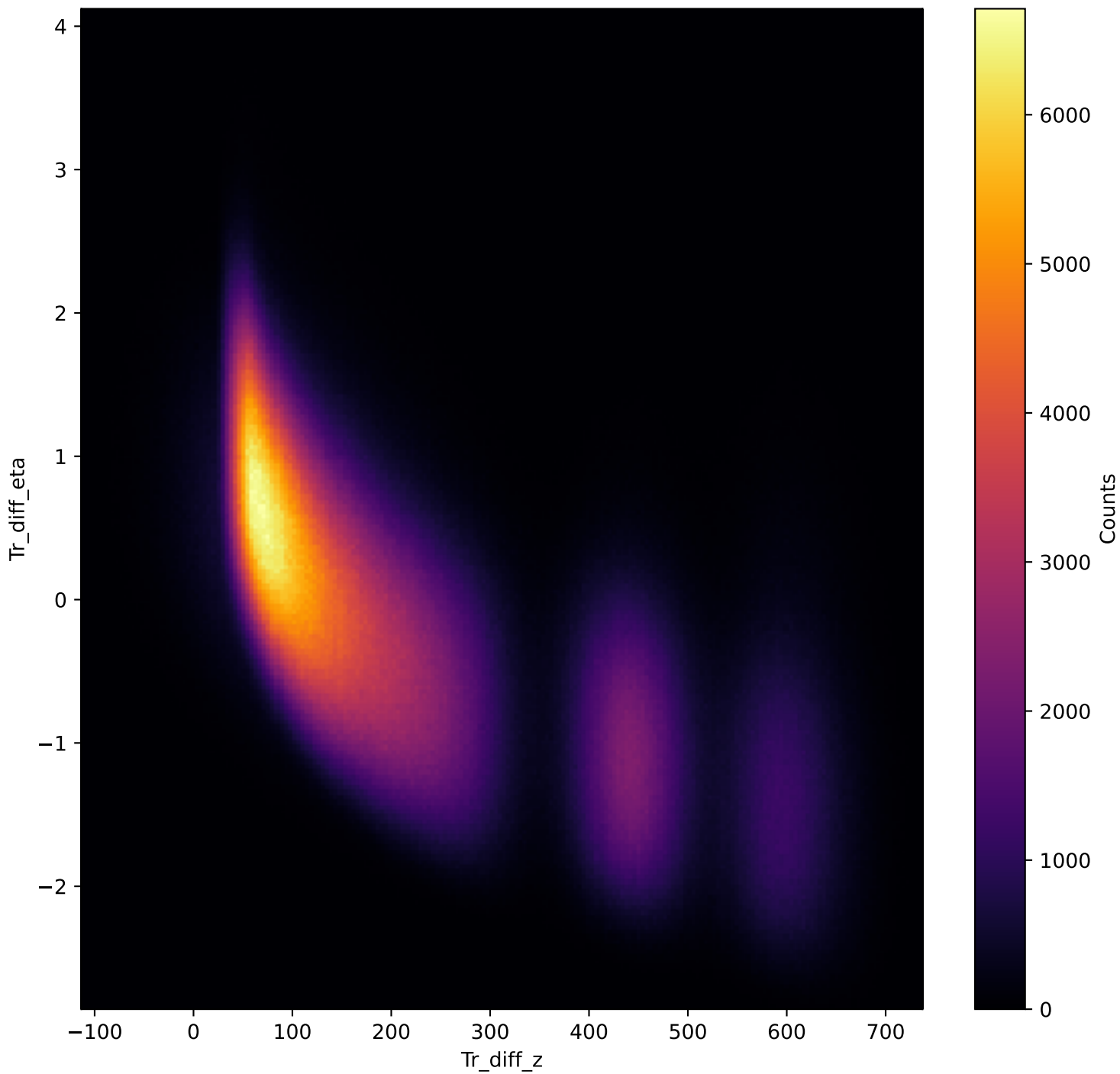
Hist2d Plot ('Tr\_T\_Sum\_of\_trackp' vs 'Tr\_T\_Sum\_of\_trackpt')  
correlation: 0.69018



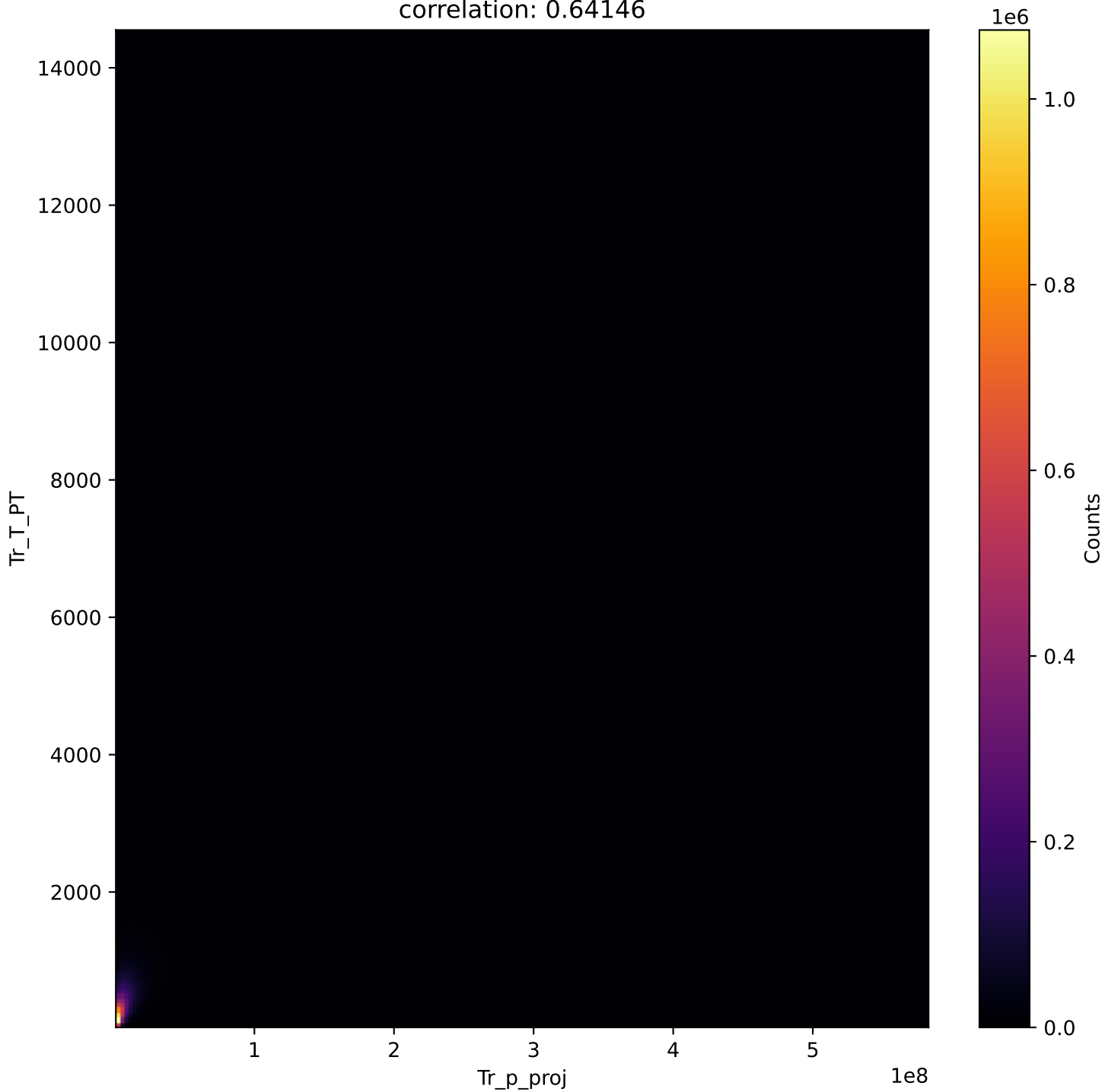
Hist2d Plot ('Tr\_T\_PROBNNk' vs 'Tr\_T\_PROBNNpi')  
correlation: -0.68454



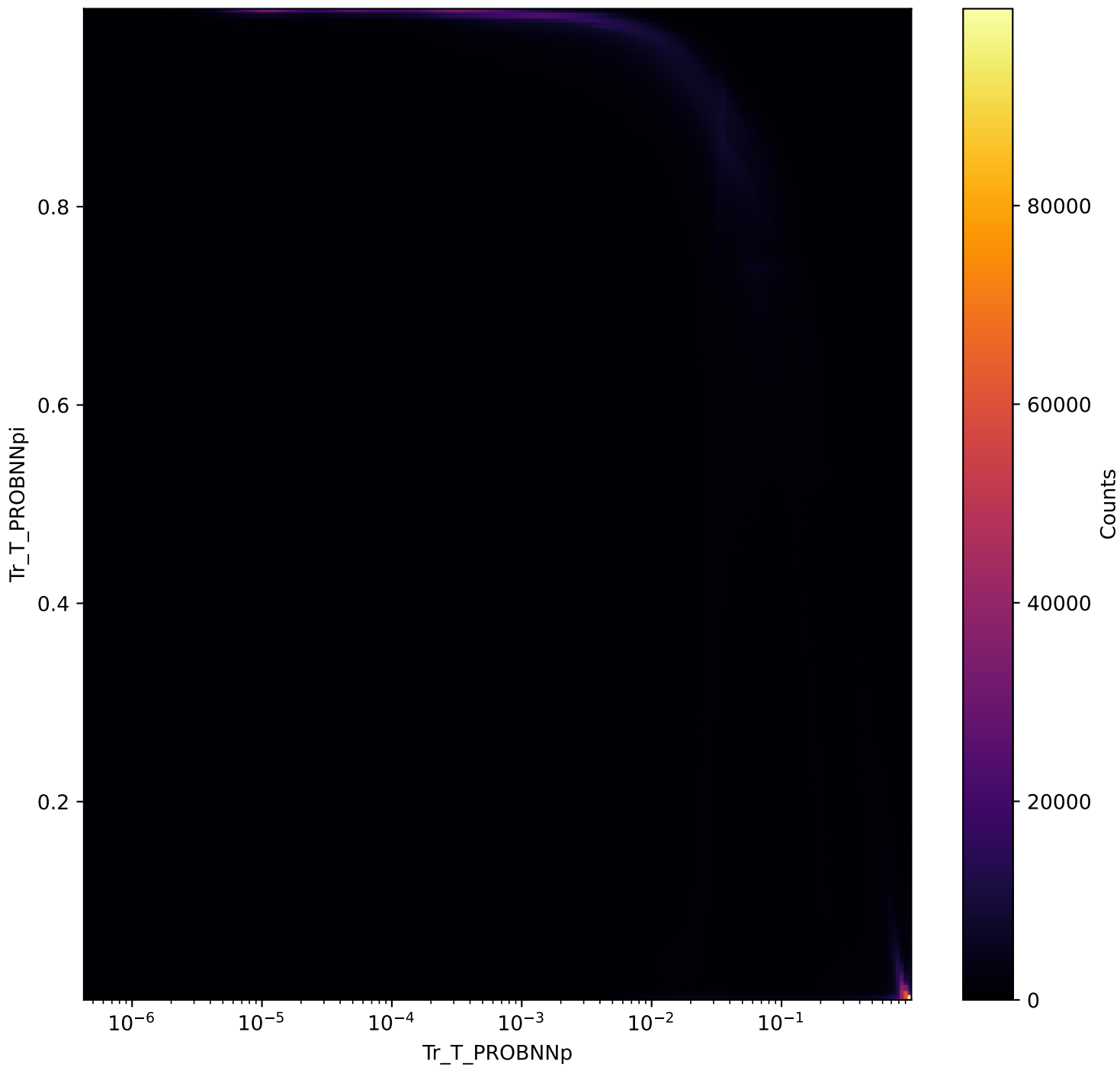
Hist2d Plot ('Tr\_diff\_z' vs 'Tr\_diff\_eta')  
correlation: -0.65793



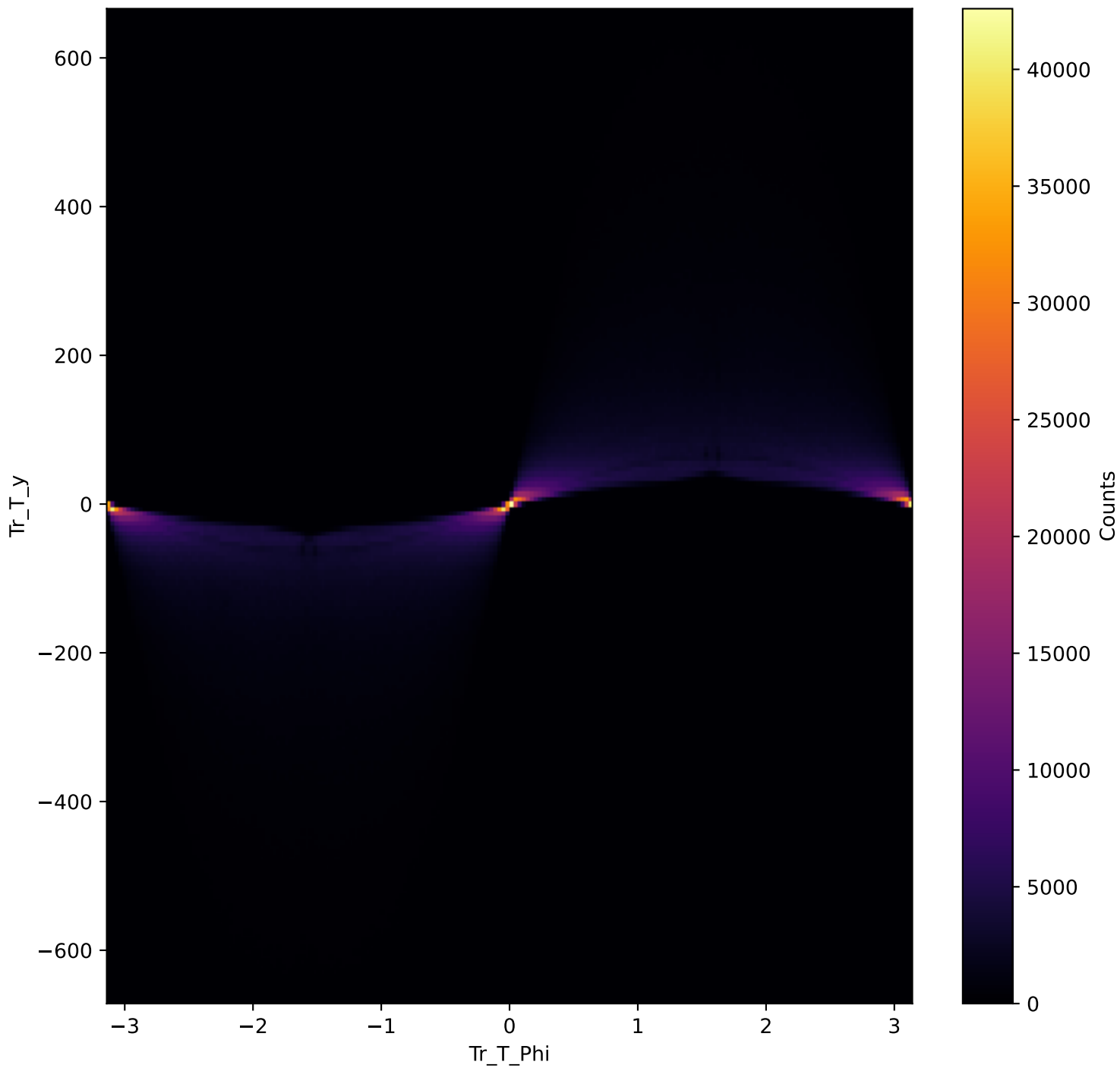
Hist2d Plot ('Tr\_p\_proj' vs 'Tr\_T\_PT')  
correlation: 0.64146



Hist2d Plot ('Tr\_T\_PROBNNp' vs 'Tr\_T\_PROBNNpi')  
correlation: -0.63348

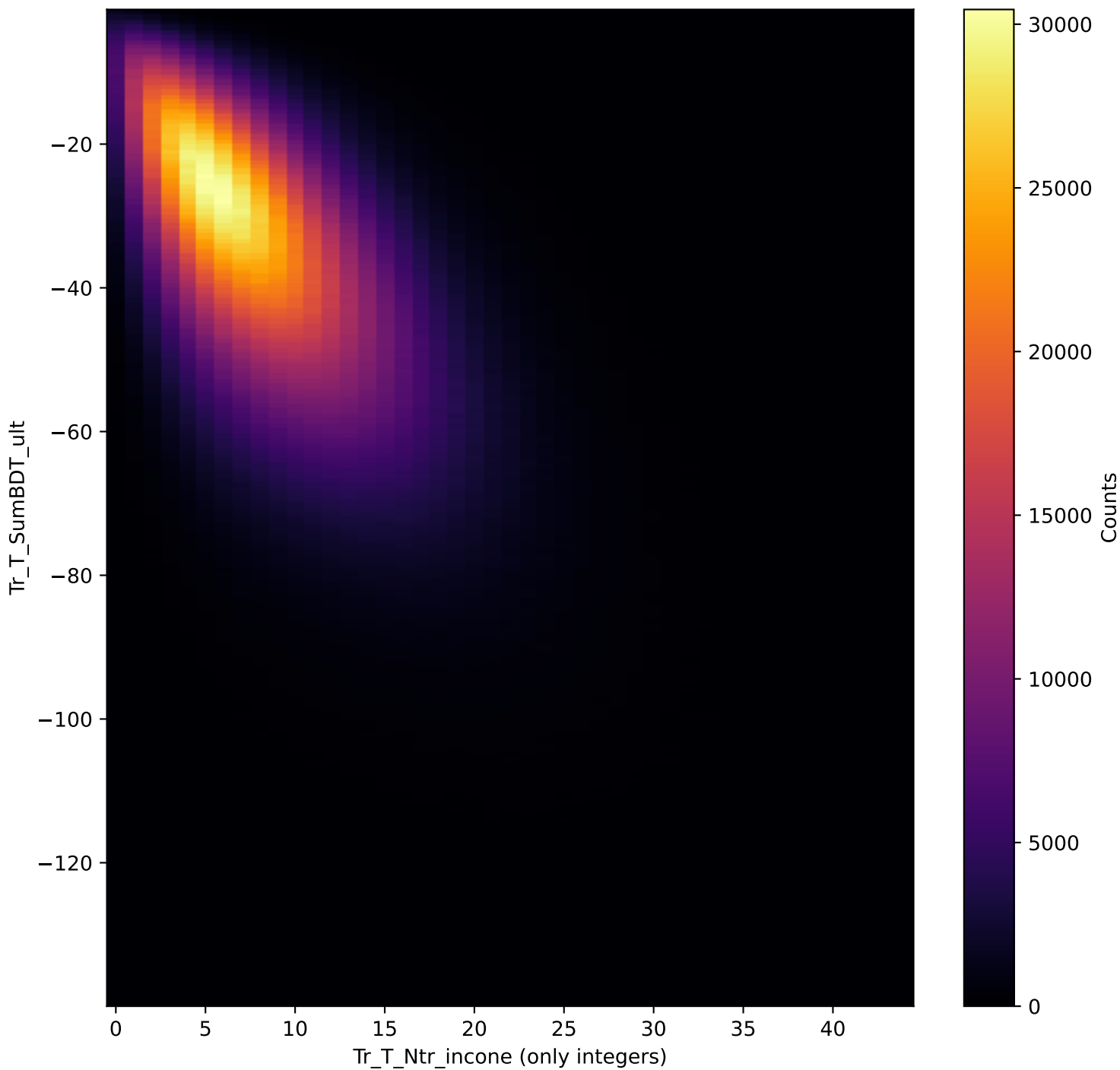


Hist2d Plot ('Tr\_T\_Phi' vs 'Tr\_T\_y')  
correlation: 0.61765

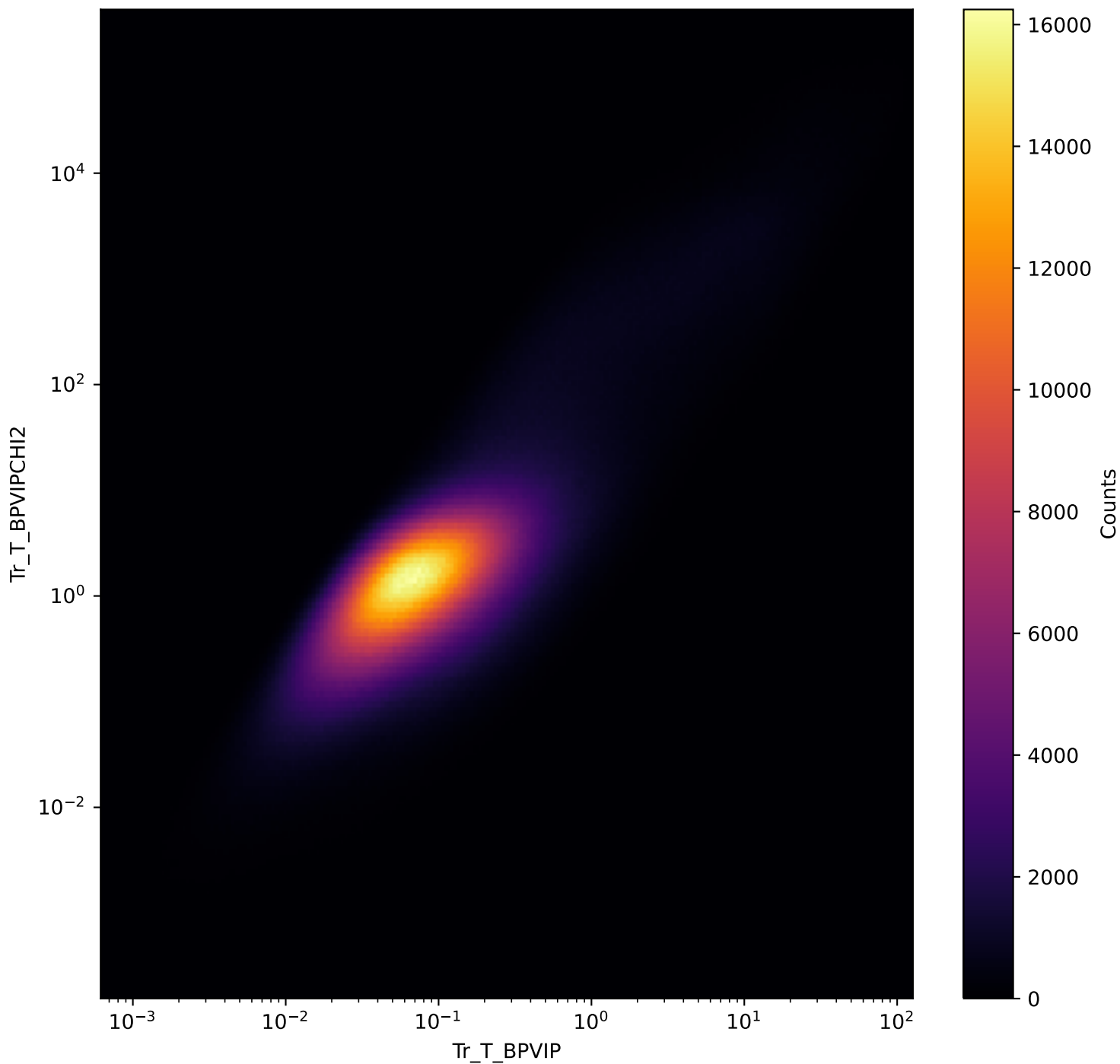




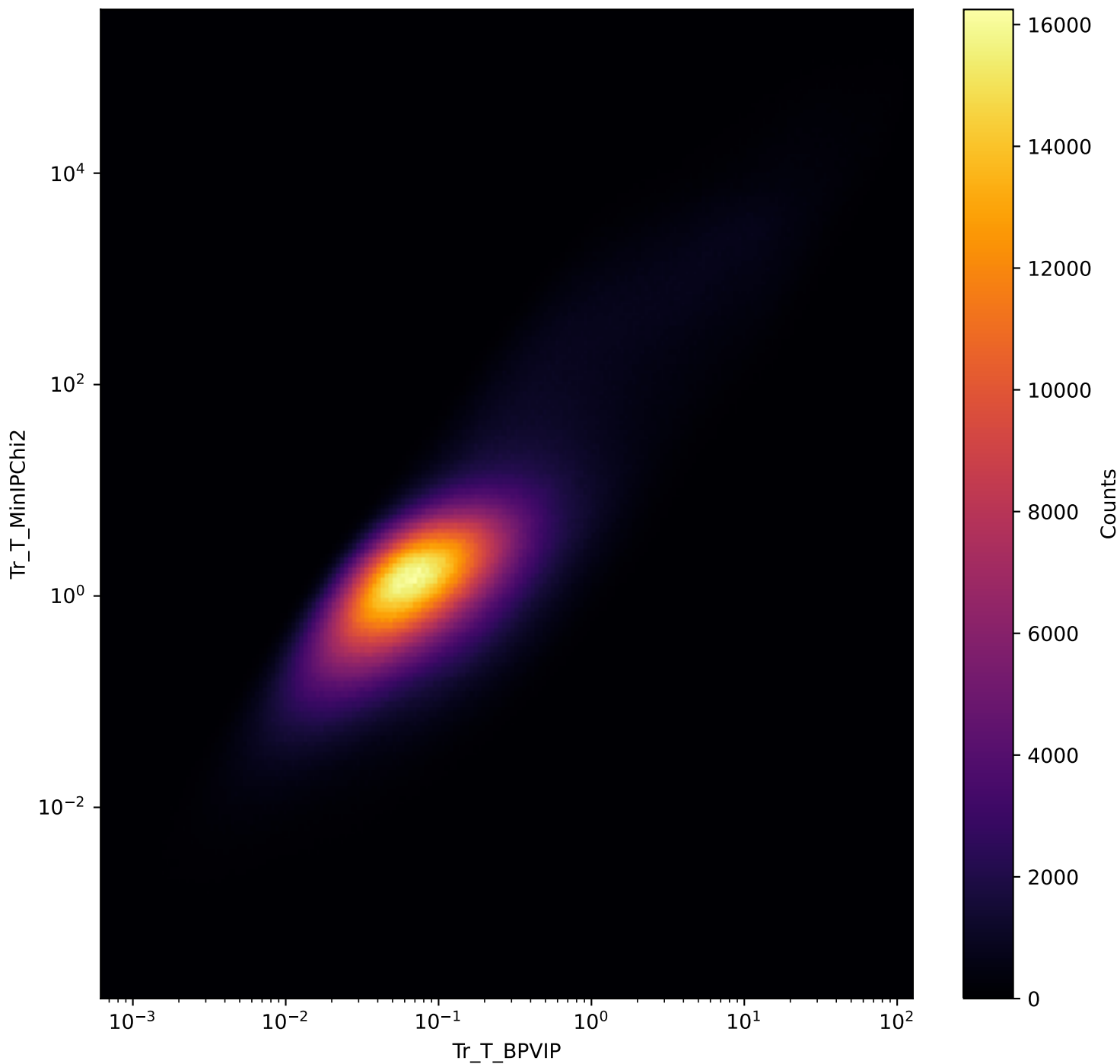
Hist2d Plot ('Tr\_T\_Ntr\_incone' vs 'Tr\_T\_SumBDT\_ult')  
correlation: -0.60055



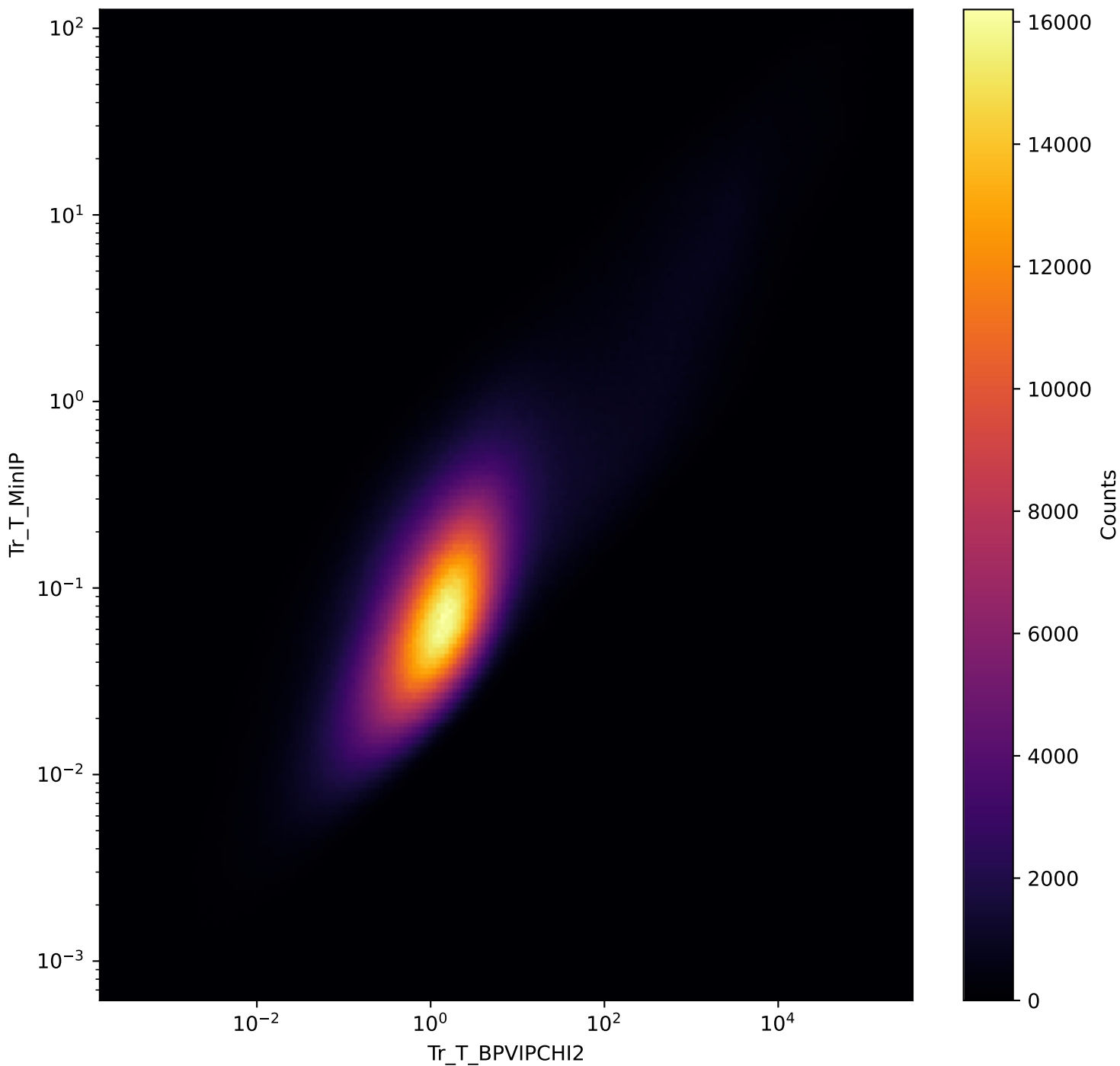
Hist2d Plot ('Tr\_T\_BPVIP' vs 'Tr\_T\_BPVIPCHI2')  
correlation: 0.58601



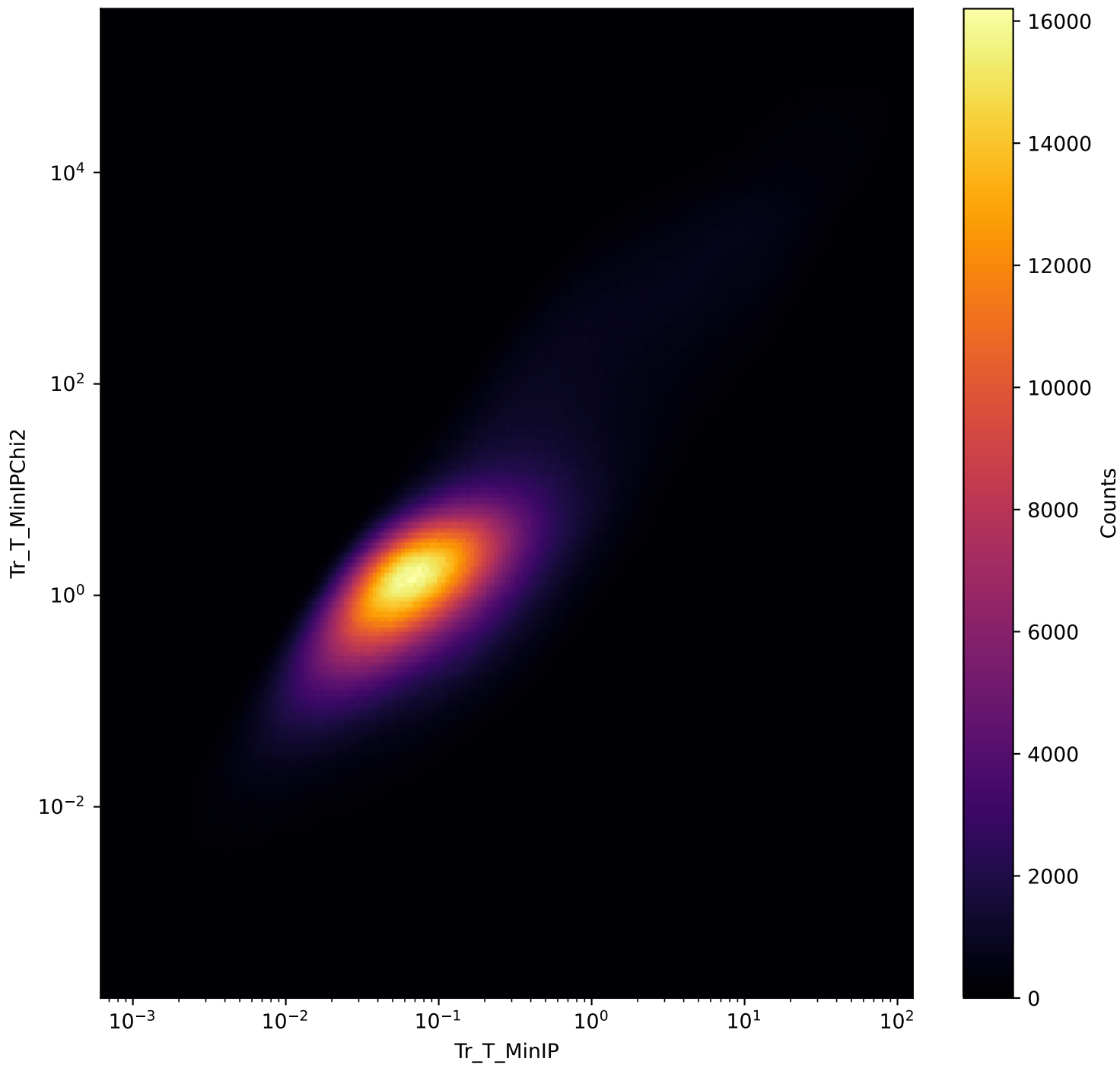
Hist2d Plot ('Tr\_T\_BPVIP' vs 'Tr\_T\_MinIPChi2')  
correlation: 0.58601



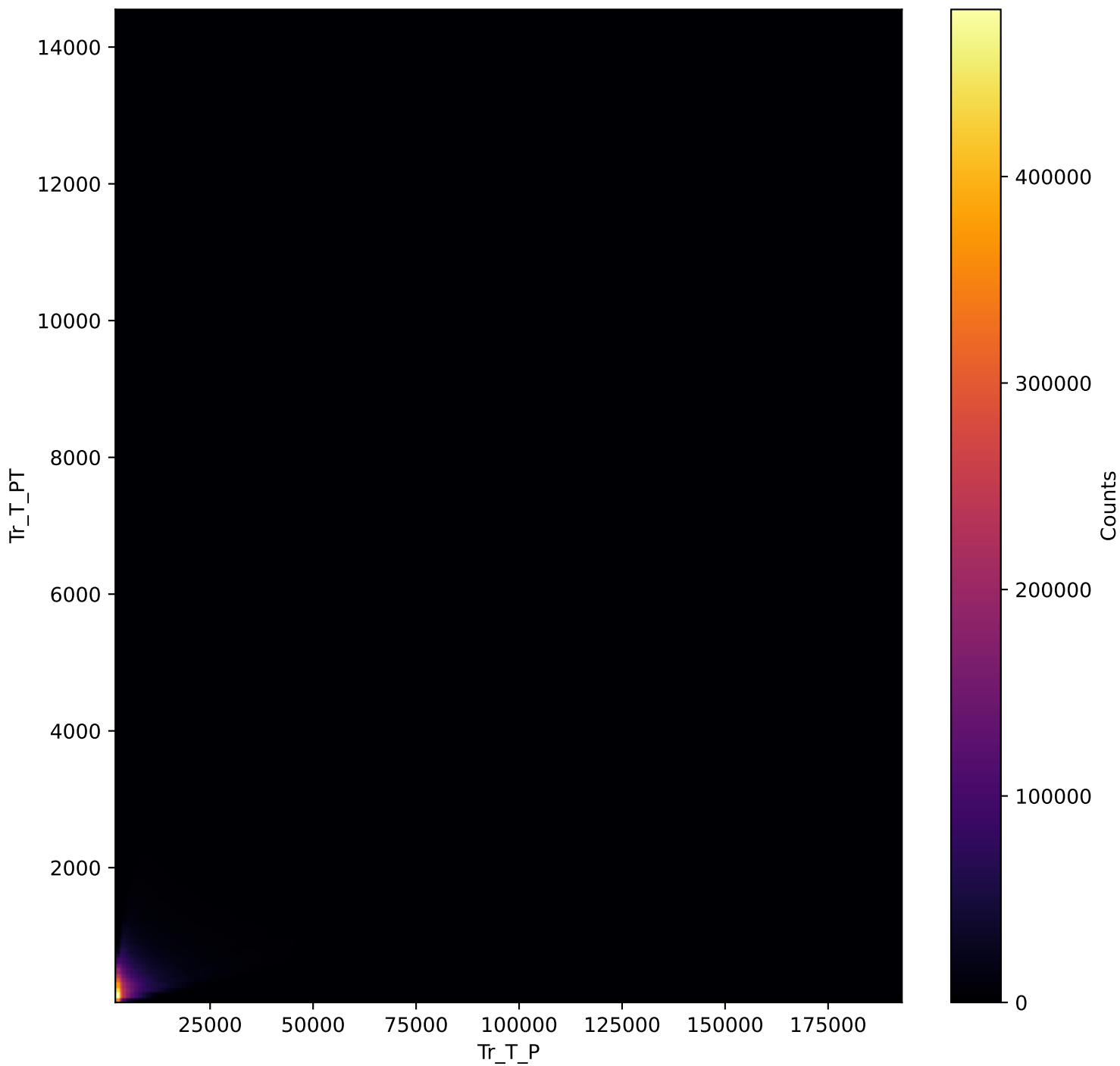
Hist2d Plot ('Tr\_T\_BPVIPCHI2' vs 'Tr\_T\_MinIP')  
correlation: 0.58408



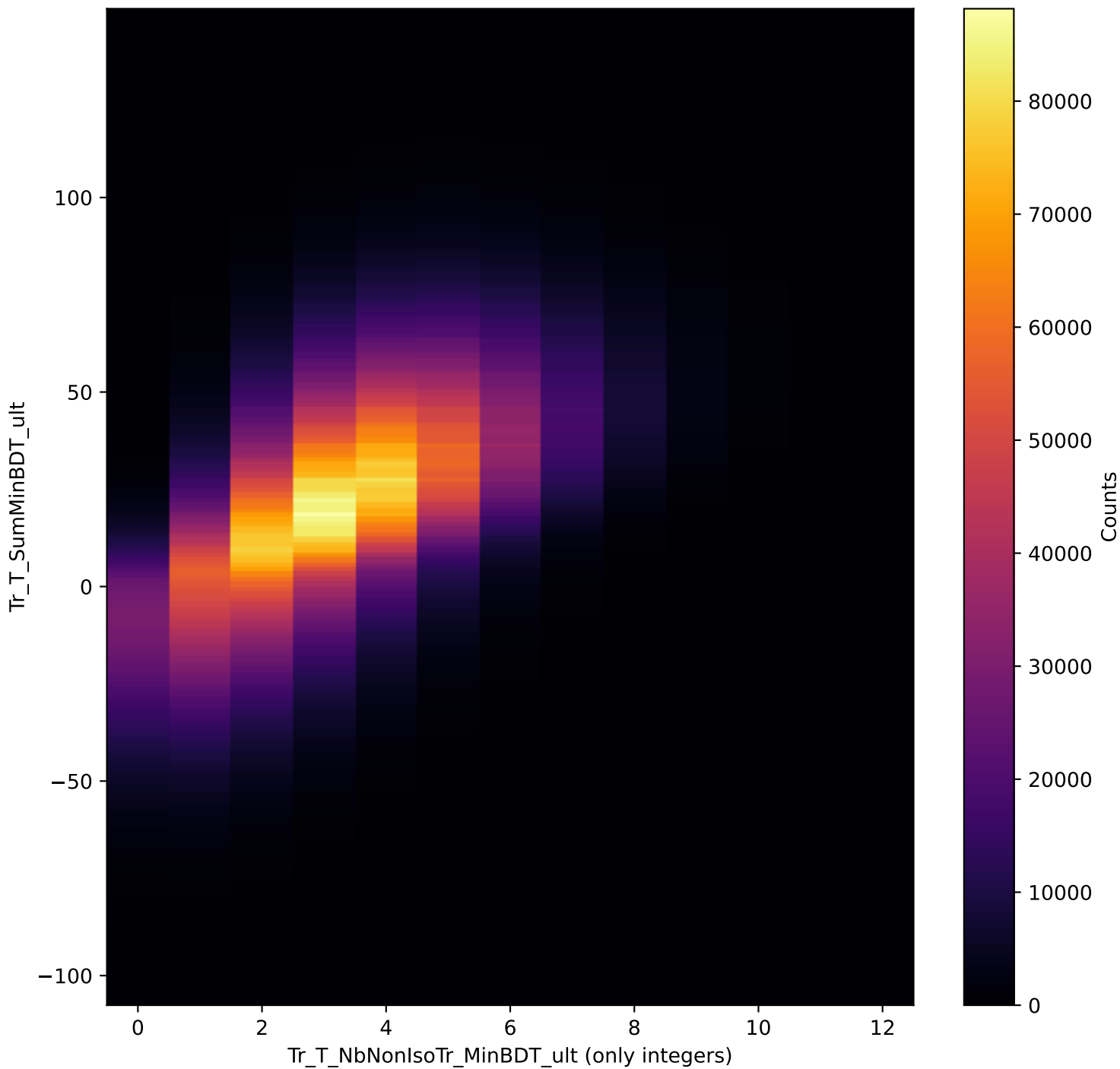
Hist2d Plot ('Tr\_T\_MinIP' vs 'Tr\_T\_MinIPChi2')  
correlation: 0.58408



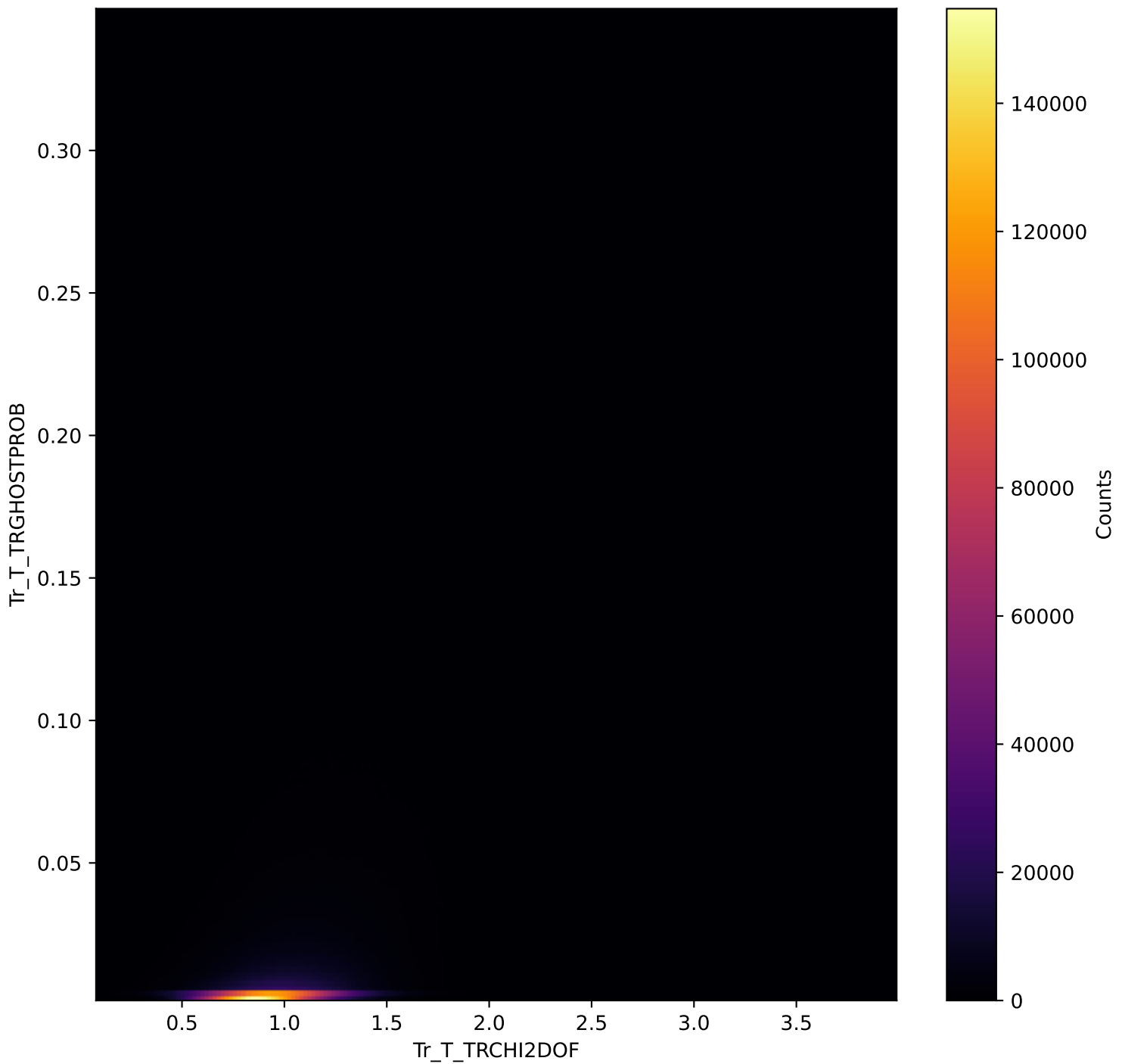
Hist2d Plot ('Tr\_T\_P' vs 'Tr\_T\_PT')  
correlation: 0.58058



Hist2d Plot ('Tr\_T\_NbNonIsoTr\_MinBDT\_ult' vs 'Tr\_T\_SumMinBDT\_ult')  
correlation: 0.57290

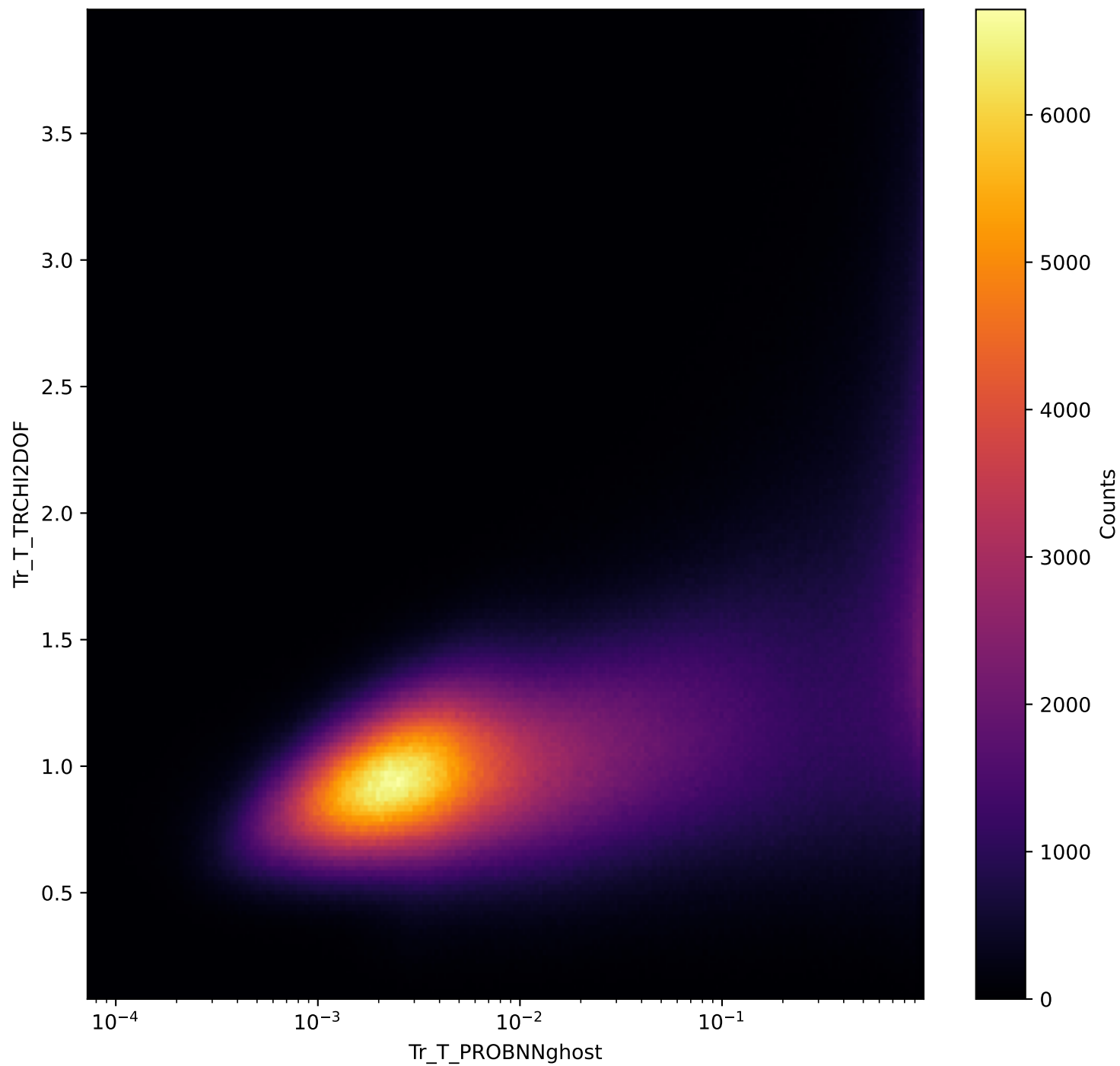


Hist2d Plot ('Tr\_T\_TRCHI2DOF' vs 'Tr\_T\_TRGHOSTPROB')  
correlation: 0.56801

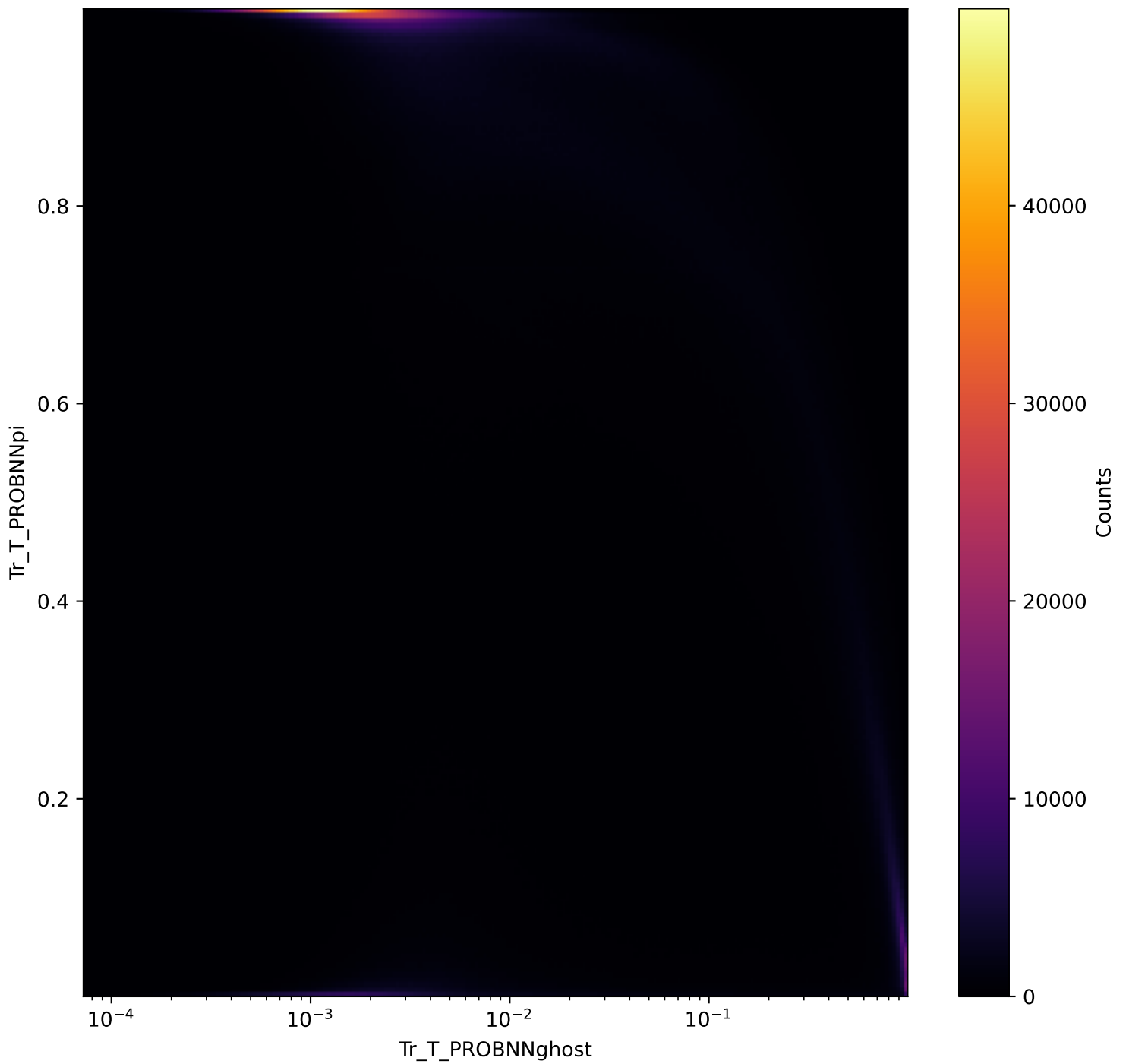




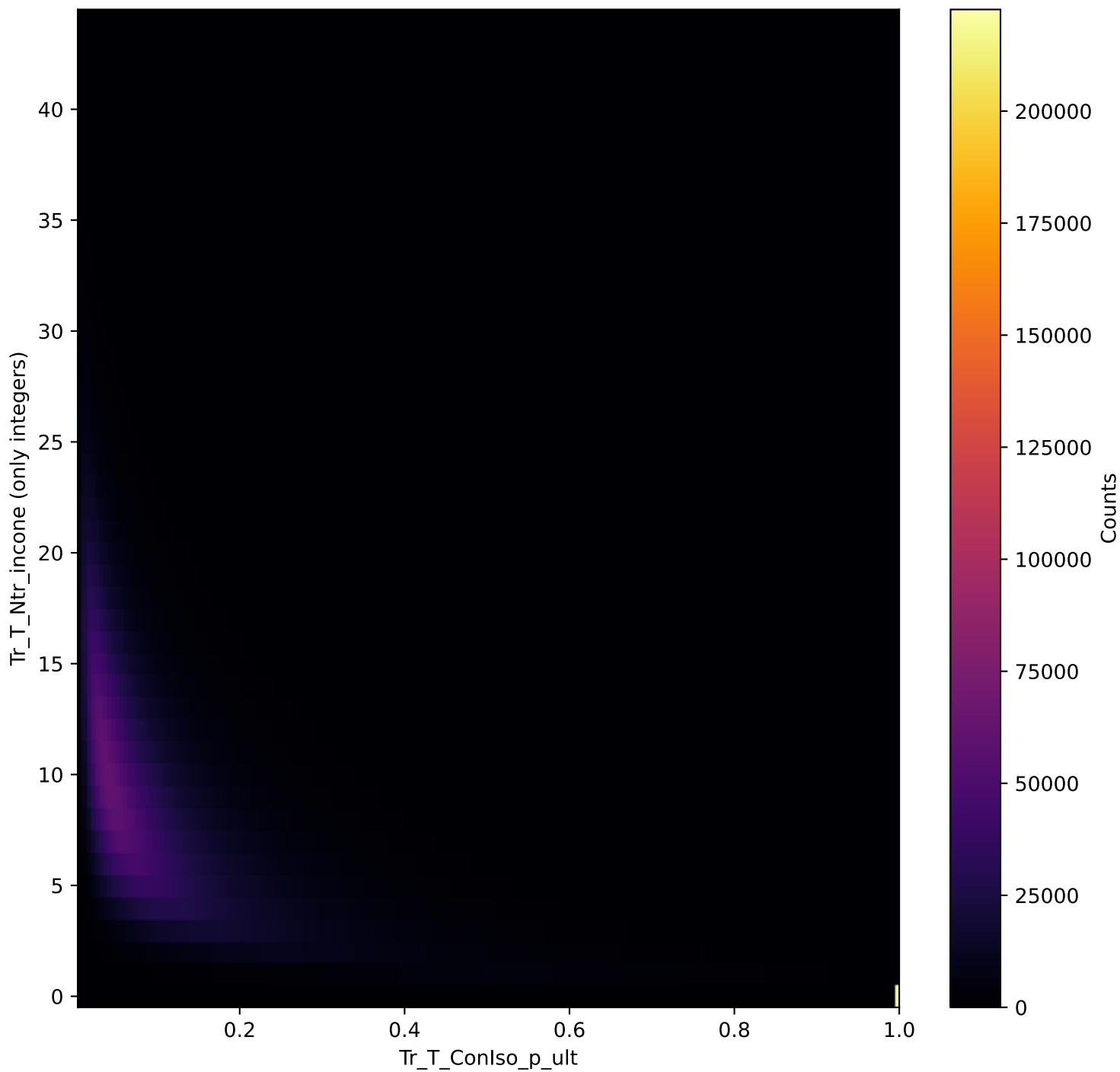
Hist2d Plot ('Tr\_T\_PROBNNghost' vs 'Tr\_T\_TRCHI2DOF')  
correlation: 0.54012



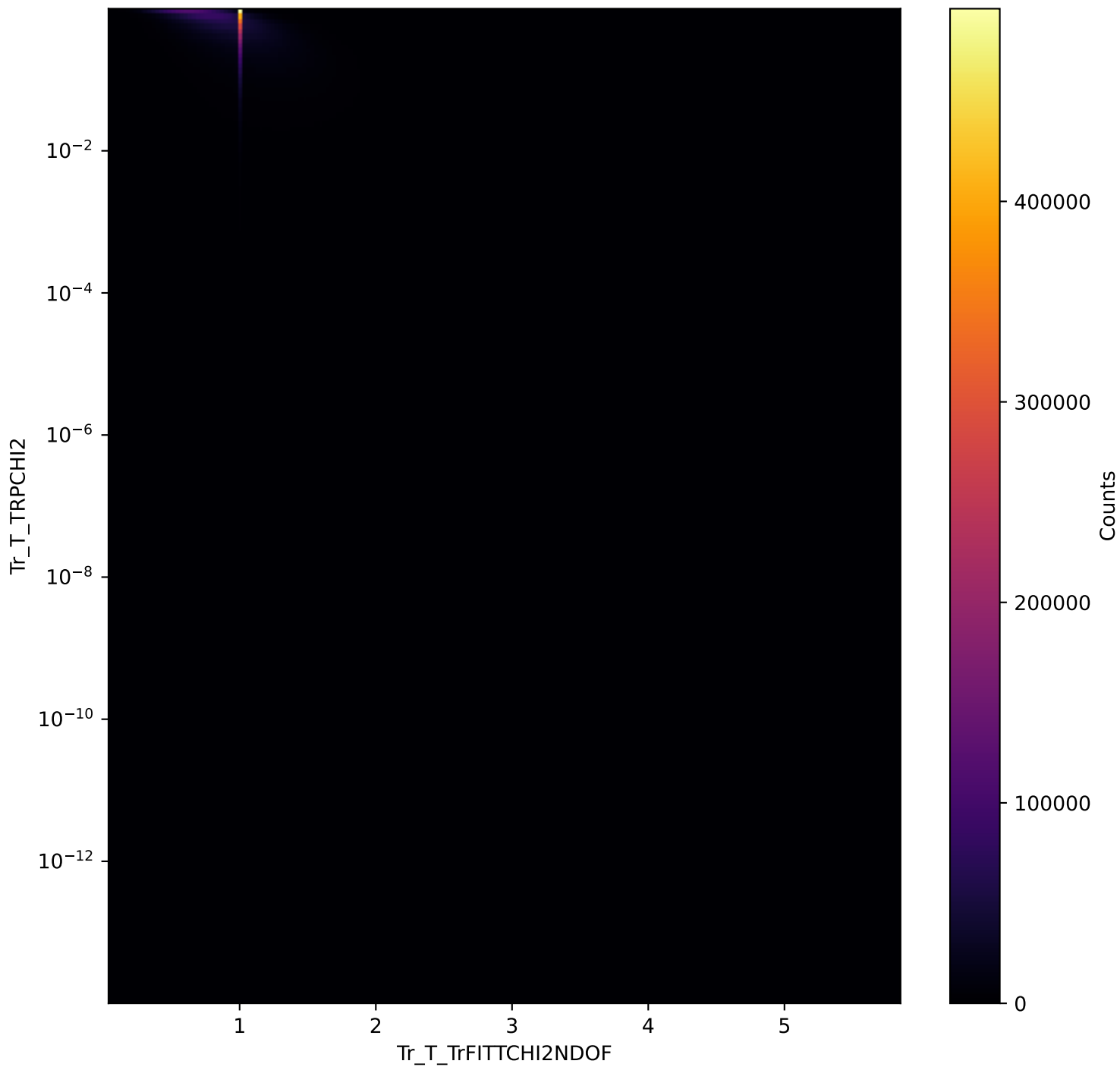
Hist2d Plot ('Tr\_T\_PROBNNghost' vs 'Tr\_T\_PROBNNpi')  
correlation: -0.52628



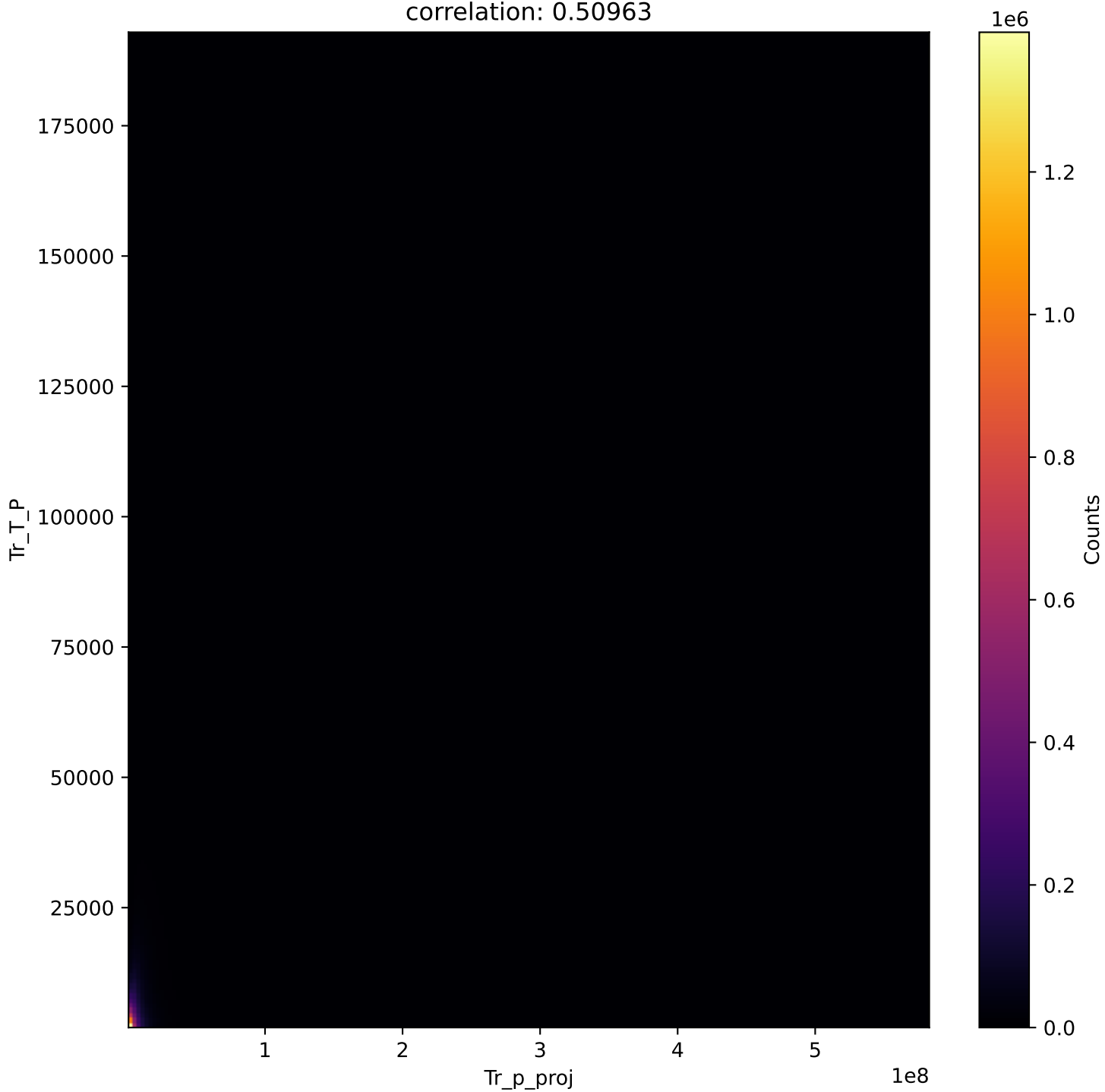
Hist2d Plot ('Tr\_T\_ConIso\_p\_ult' vs 'Tr\_T\_Ntr\_incone')  
correlation: -0.52484



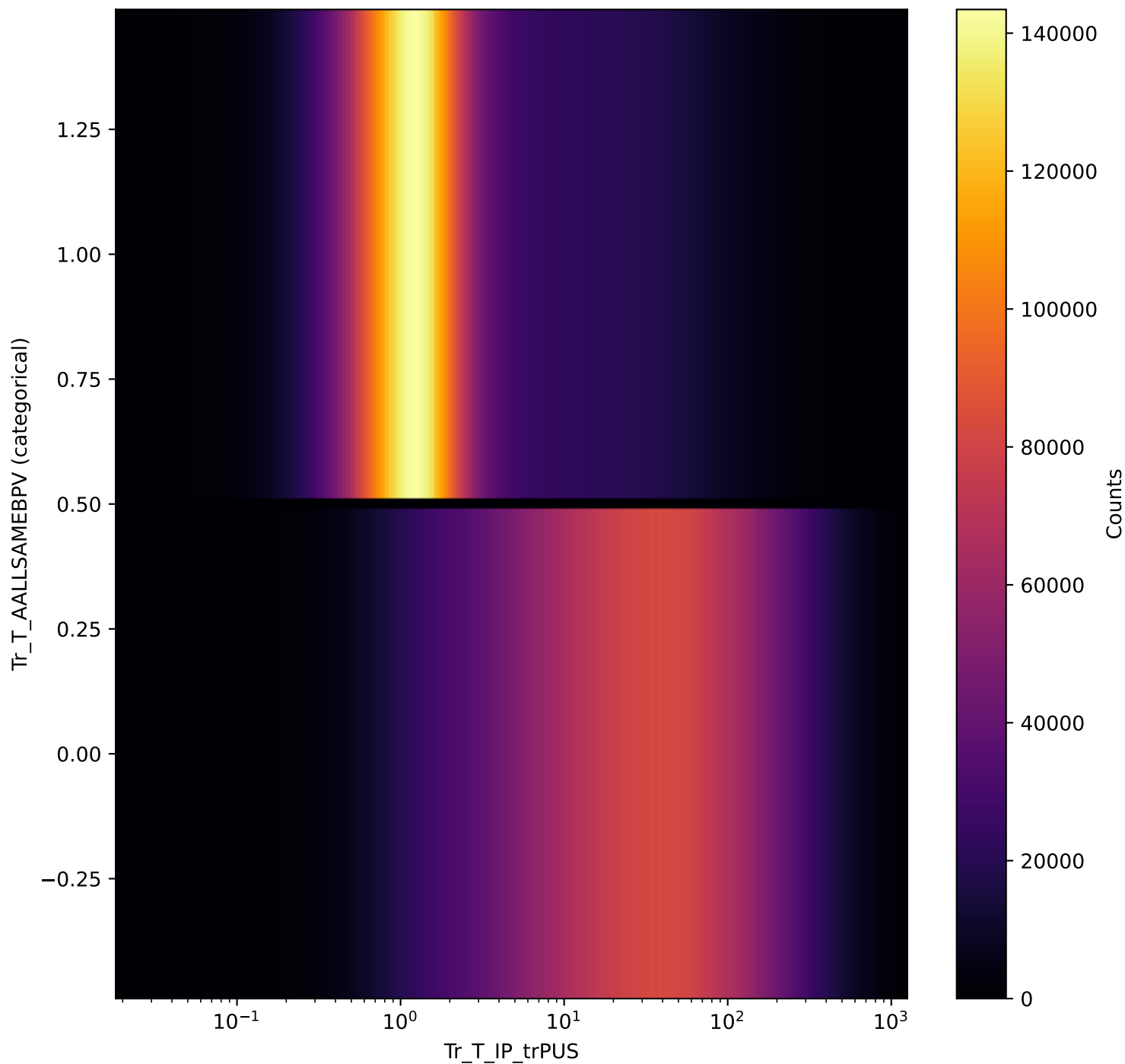
Hist2d Plot ('Tr\_T\_TrFITTCHI2NDOF' vs 'Tr\_T\_TRPCHI2')  
correlation: -0.51082



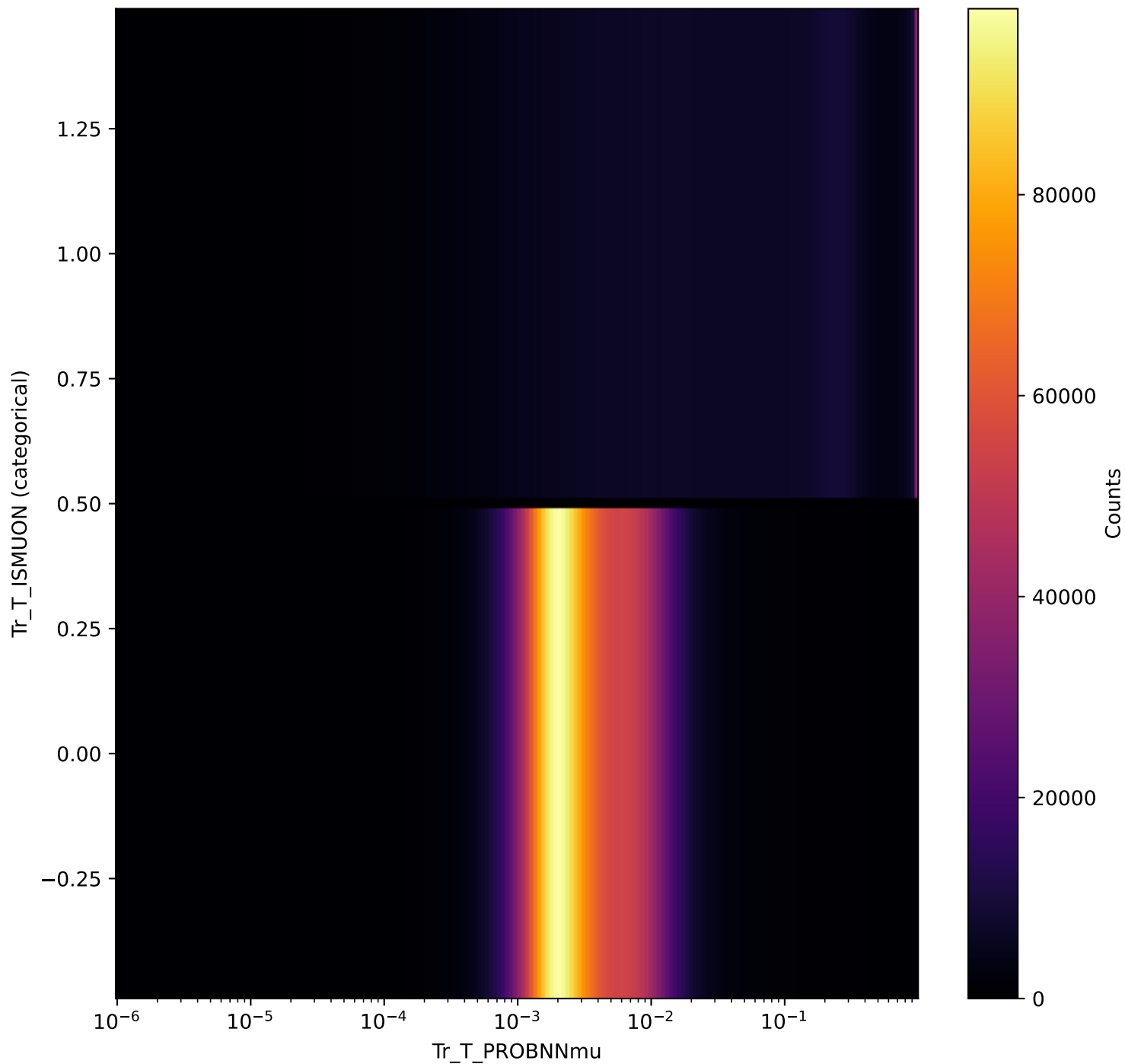
Hist2d Plot ('Tr\_p\_proj' vs 'Tr\_T\_P')  
correlation: 0.50963



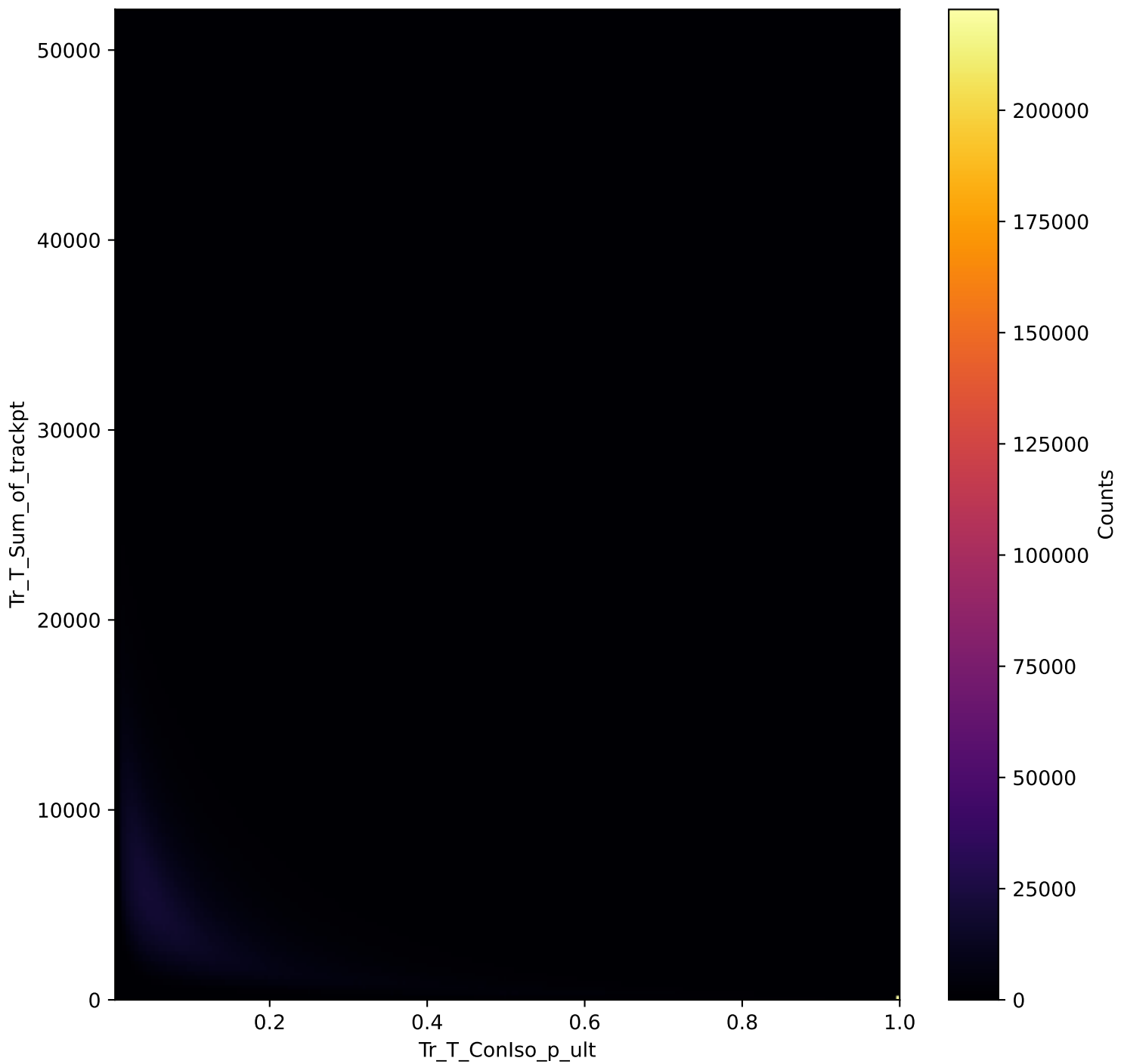
Hist2d Plot ('Tr\_T\_IP\_trPUS' vs 'Tr\_T\_AALLSAMEBPV')  
correlation: -0.48567



Hist2d Plot ('Tr\_T\_PROBNNmu' vs 'Tr\_T\_ISMUON')  
correlation: 0.47997



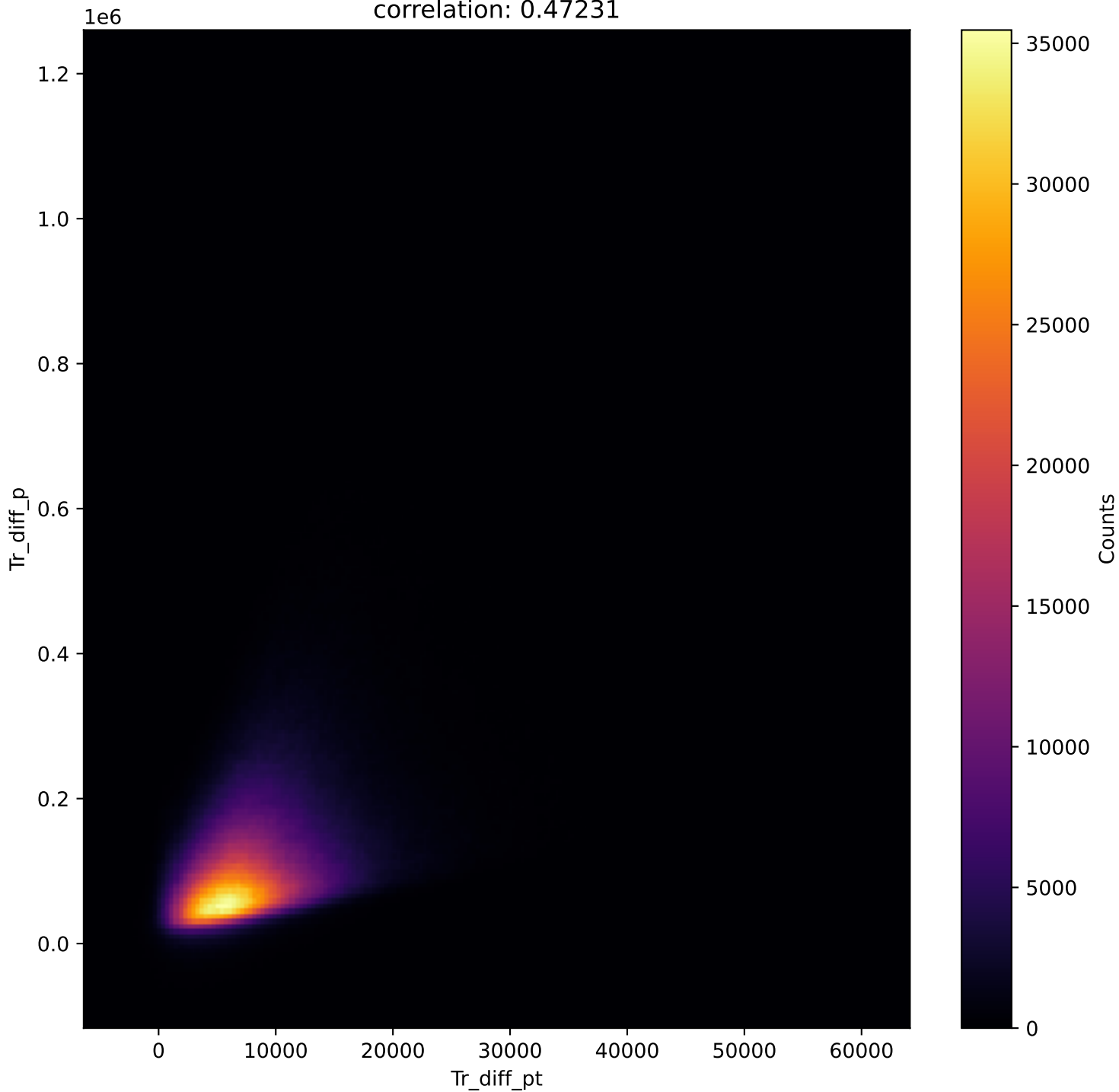
Hist2d Plot ('Tr\_T\_Conlso\_p\_ult' vs 'Tr\_T\_Sum\_of\_trackpt')  
correlation: -0.47477



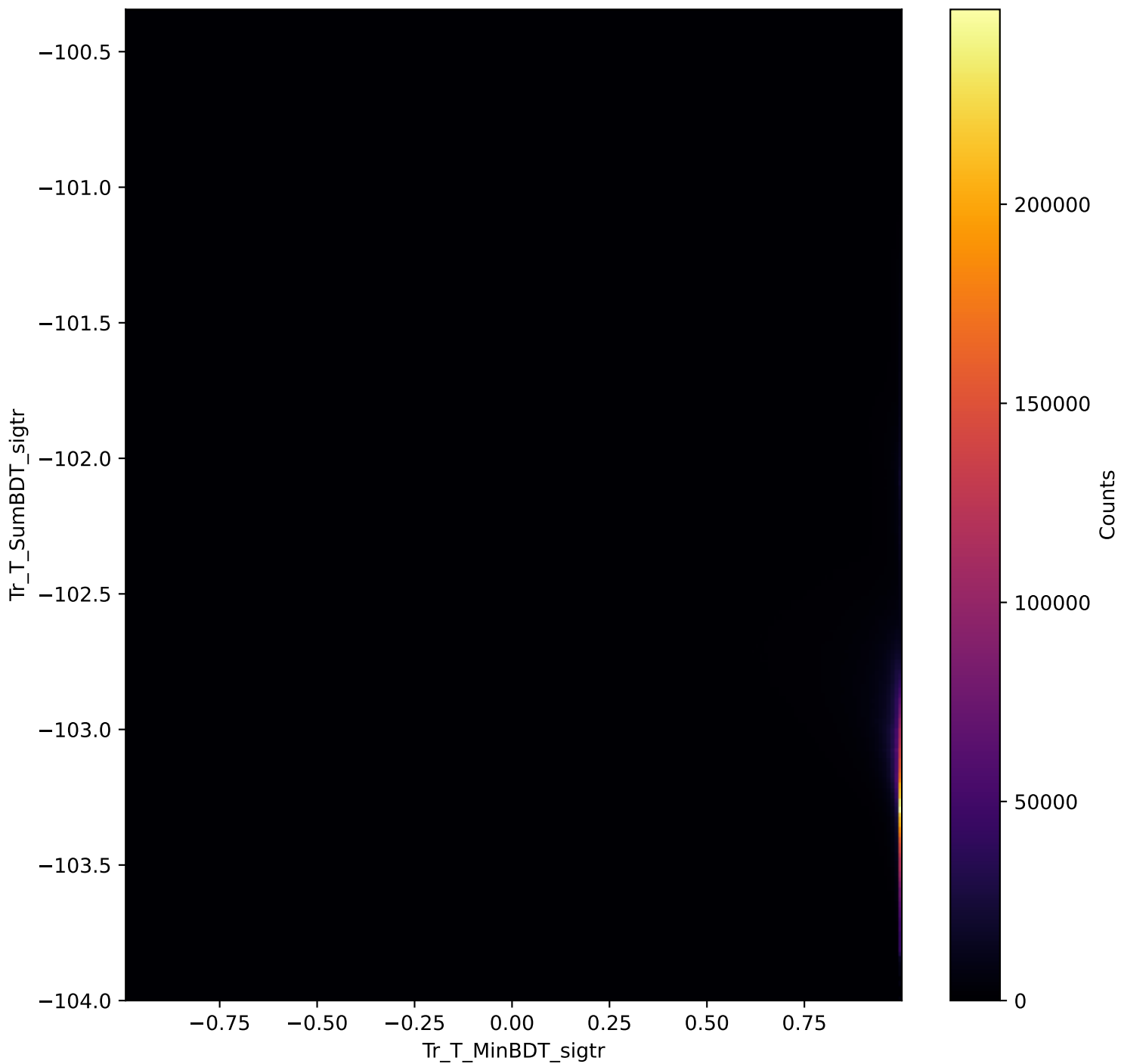


Hist2d Plot ('Tr\_diff\_pt' vs 'Tr\_diff\_p')

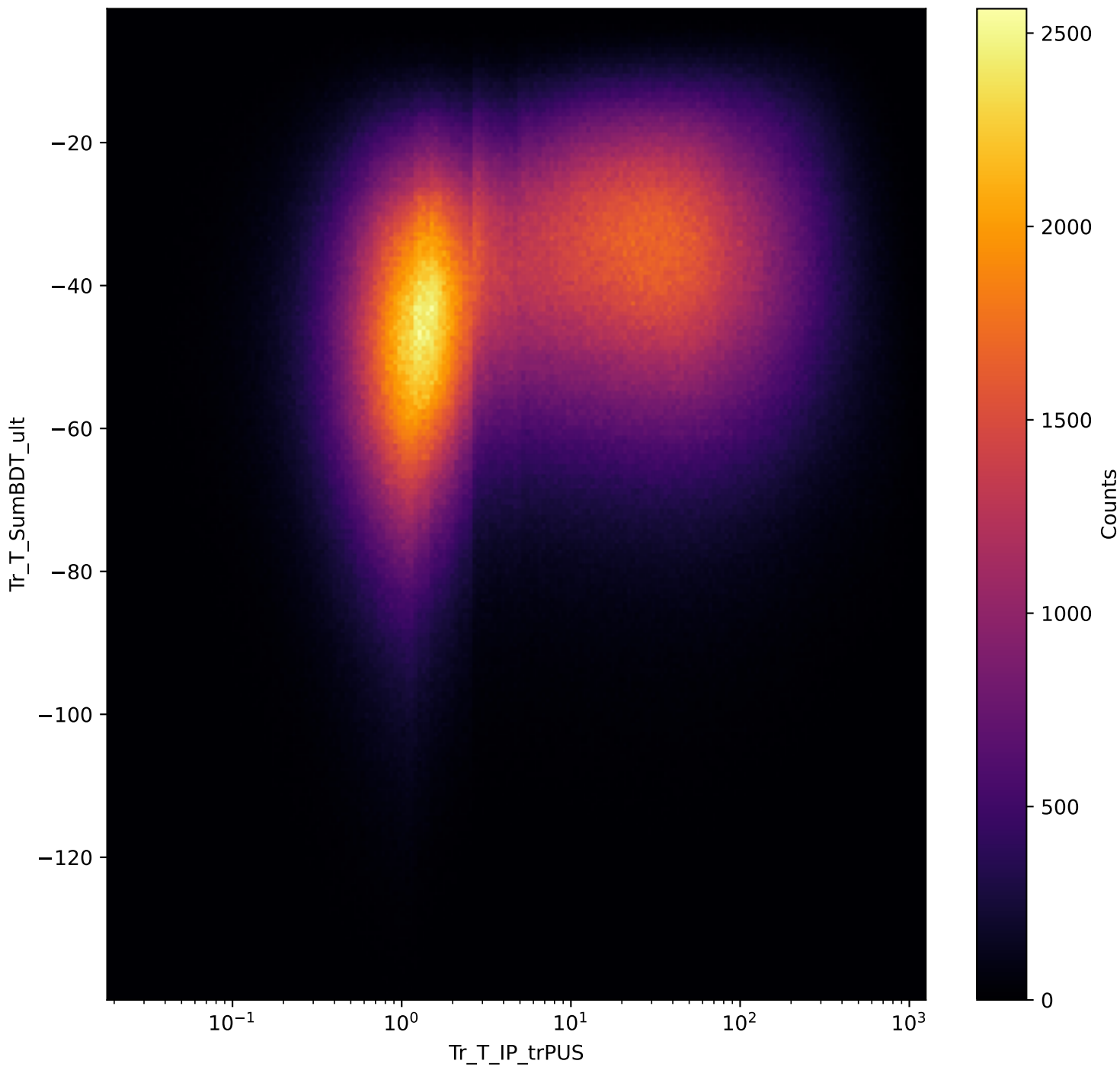
correlation: 0.47231



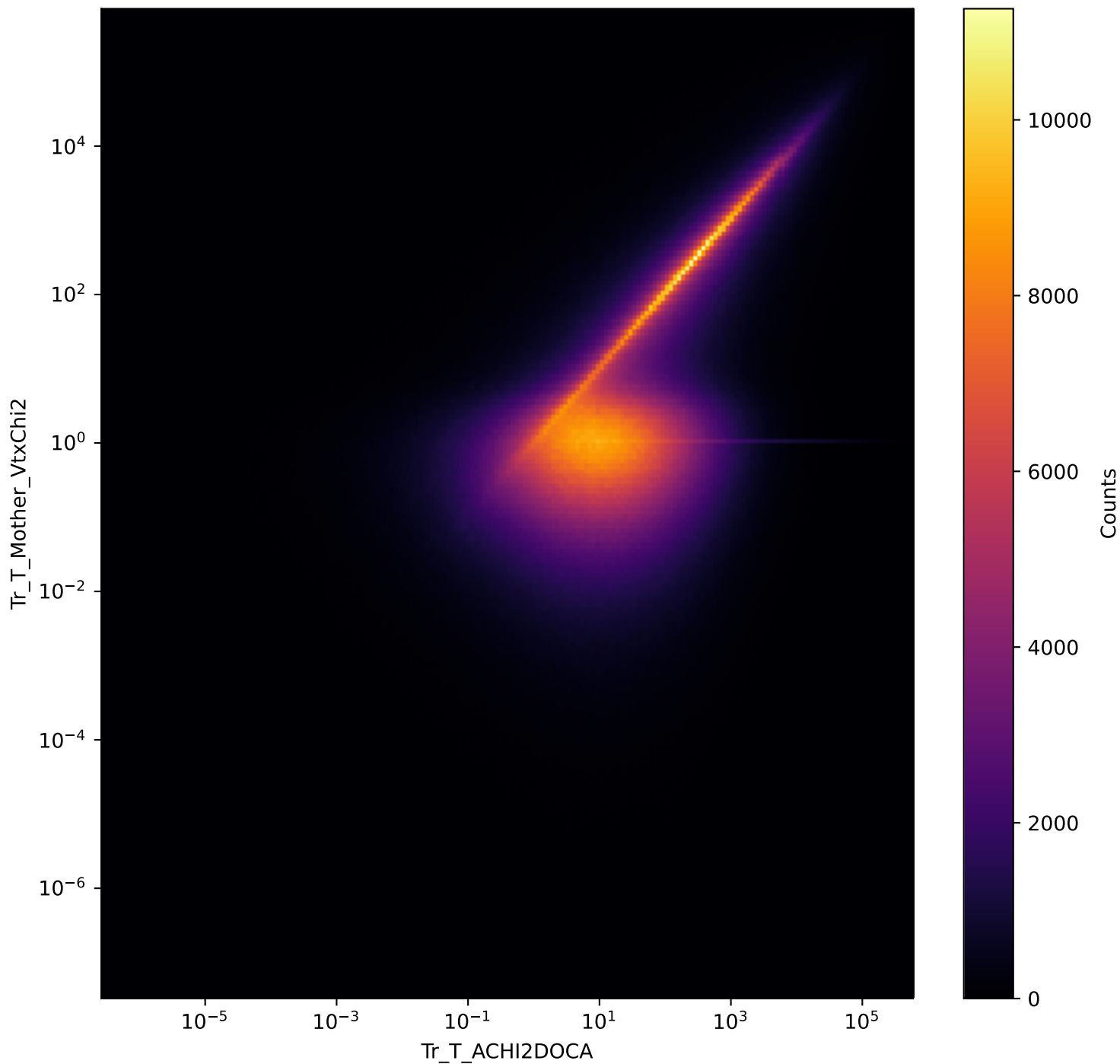
Hist2d Plot ('Tr\_T\_MinBDT\_sigtr' vs 'Tr\_T\_SumBDT\_sigtr')  
correlation: -0.45215



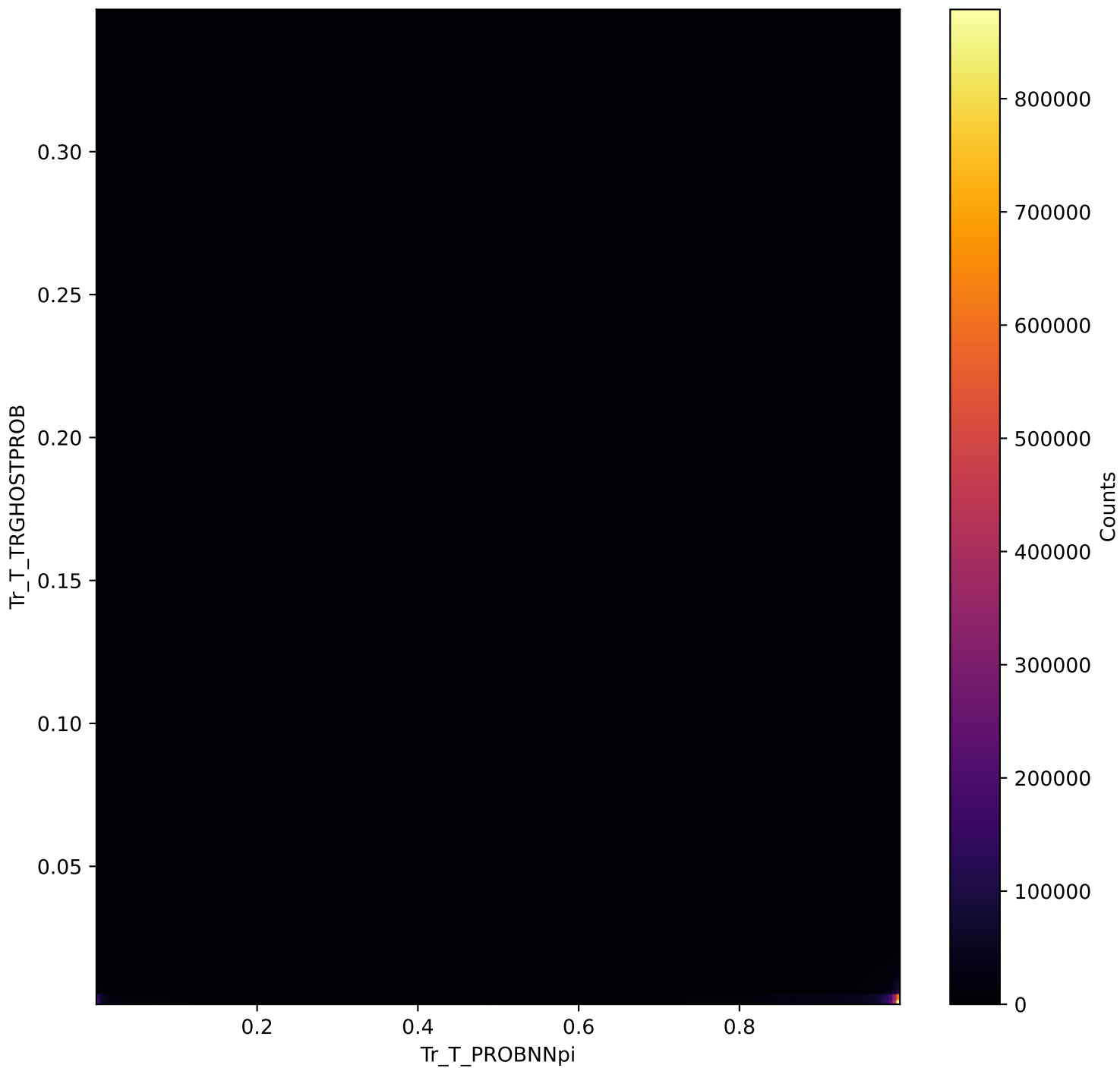
Hist2d Plot ('Tr\_T\_IP\_trPUS' vs 'Tr\_T\_SumBDT\_ult')  
correlation: 0.45160



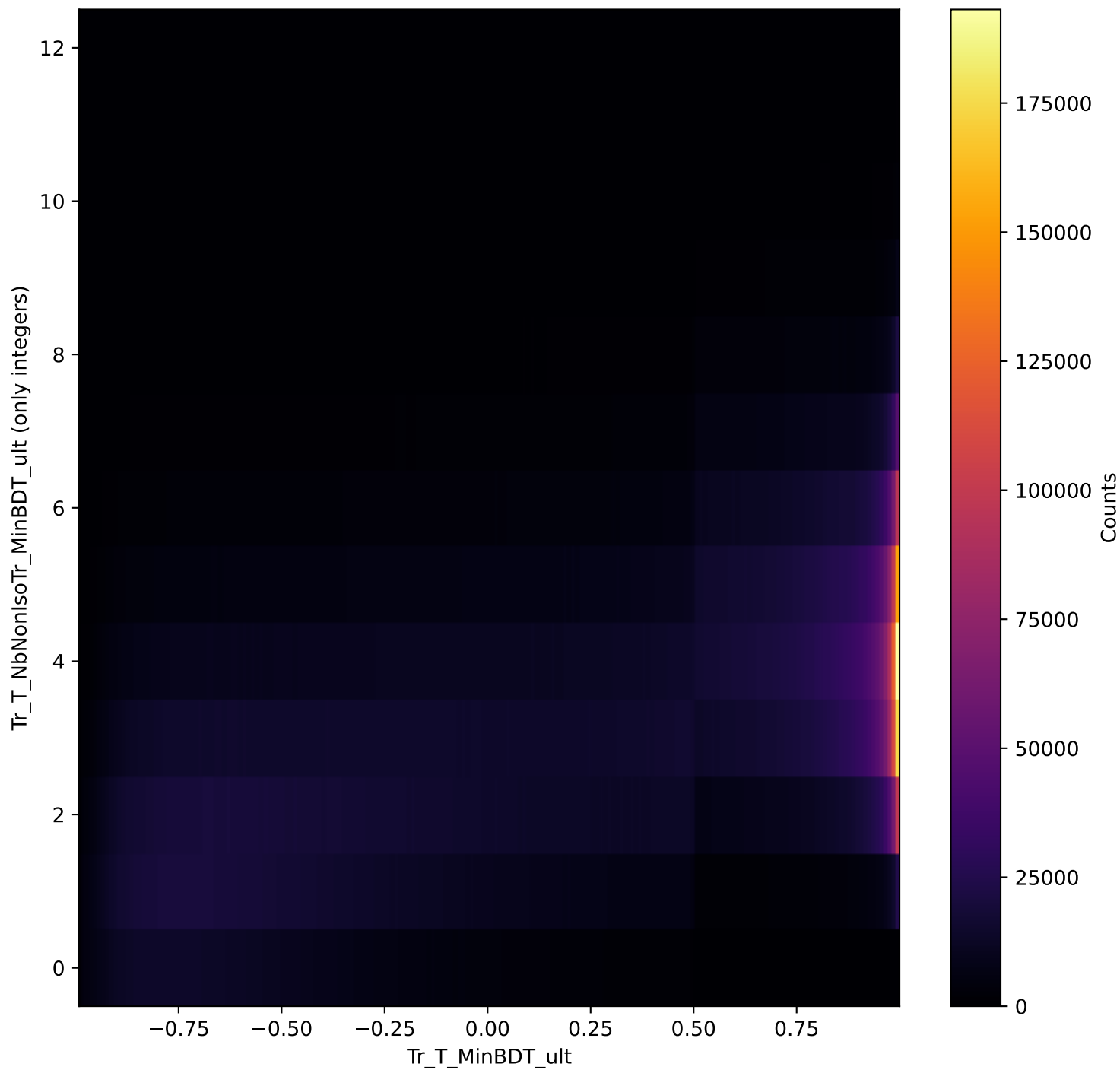
Hist2d Plot ('Tr\_T\_ACHI2DOCA' vs 'Tr\_T\_Mother\_VtxChi2')  
correlation: 0.44832



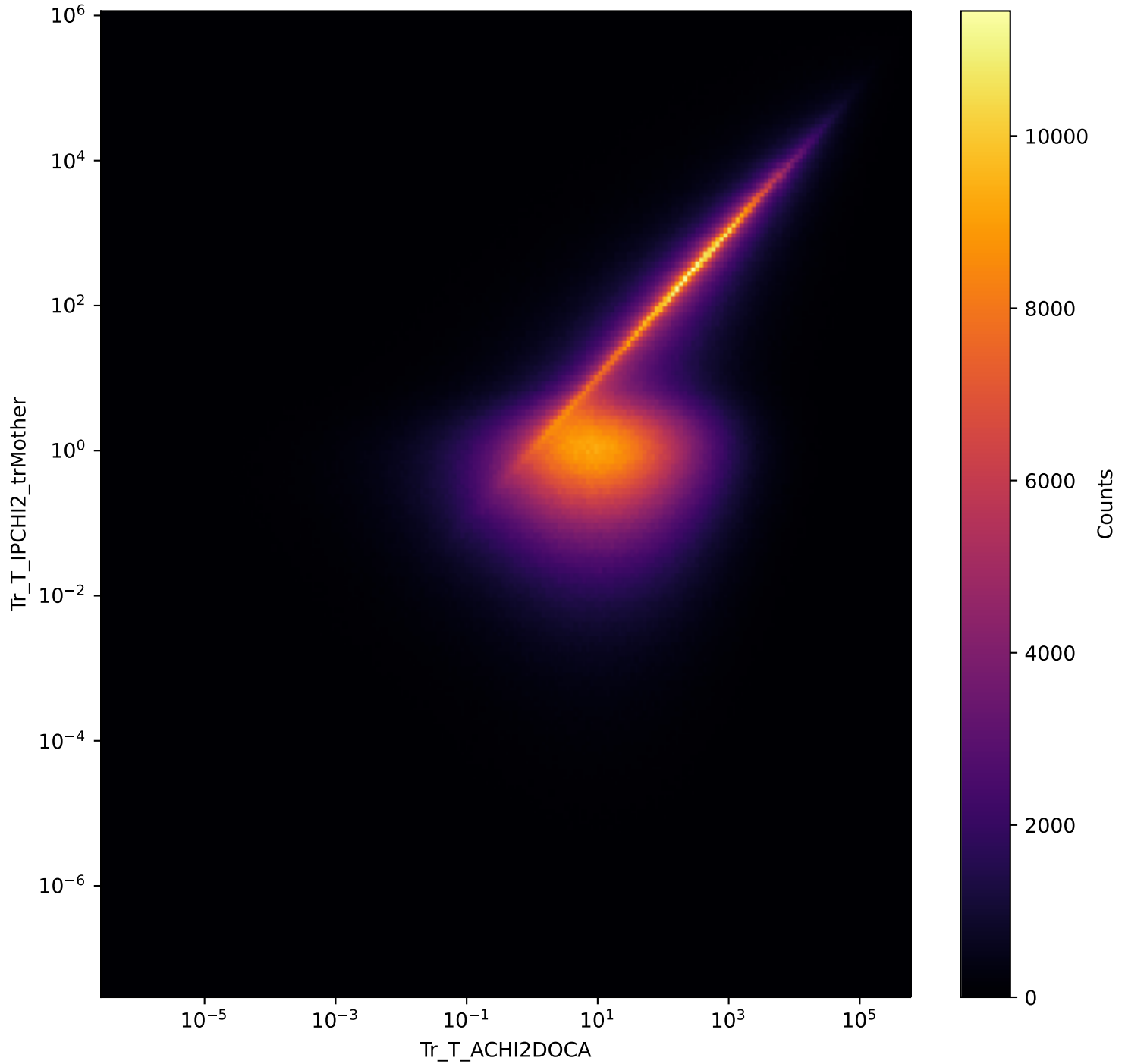
Hist2d Plot ('Tr\_T\_PROBNNpi' vs 'Tr\_T\_TRGHOSTPROB')  
correlation: -0.43398



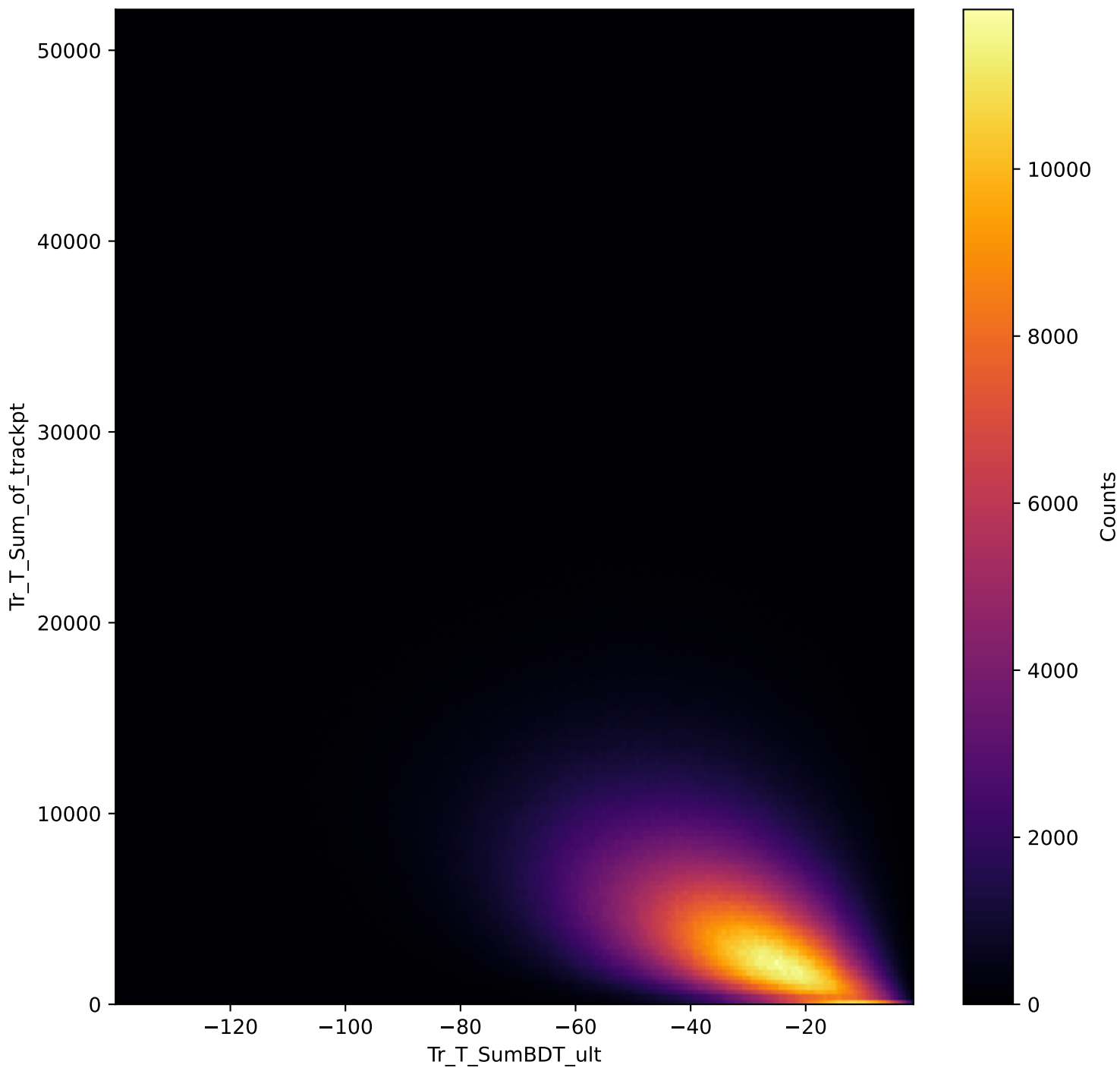
Hist2d Plot ('Tr\_T\_MinBDT\_ult' vs 'Tr\_T\_NbNonIsoTr\_MinBDT\_ult')  
correlation: 0.43364



Hist2d Plot ('Tr\_T\_ACHI2DOCA' vs 'Tr\_T\_IPCHI2\_trMother')  
correlation: 0.43267

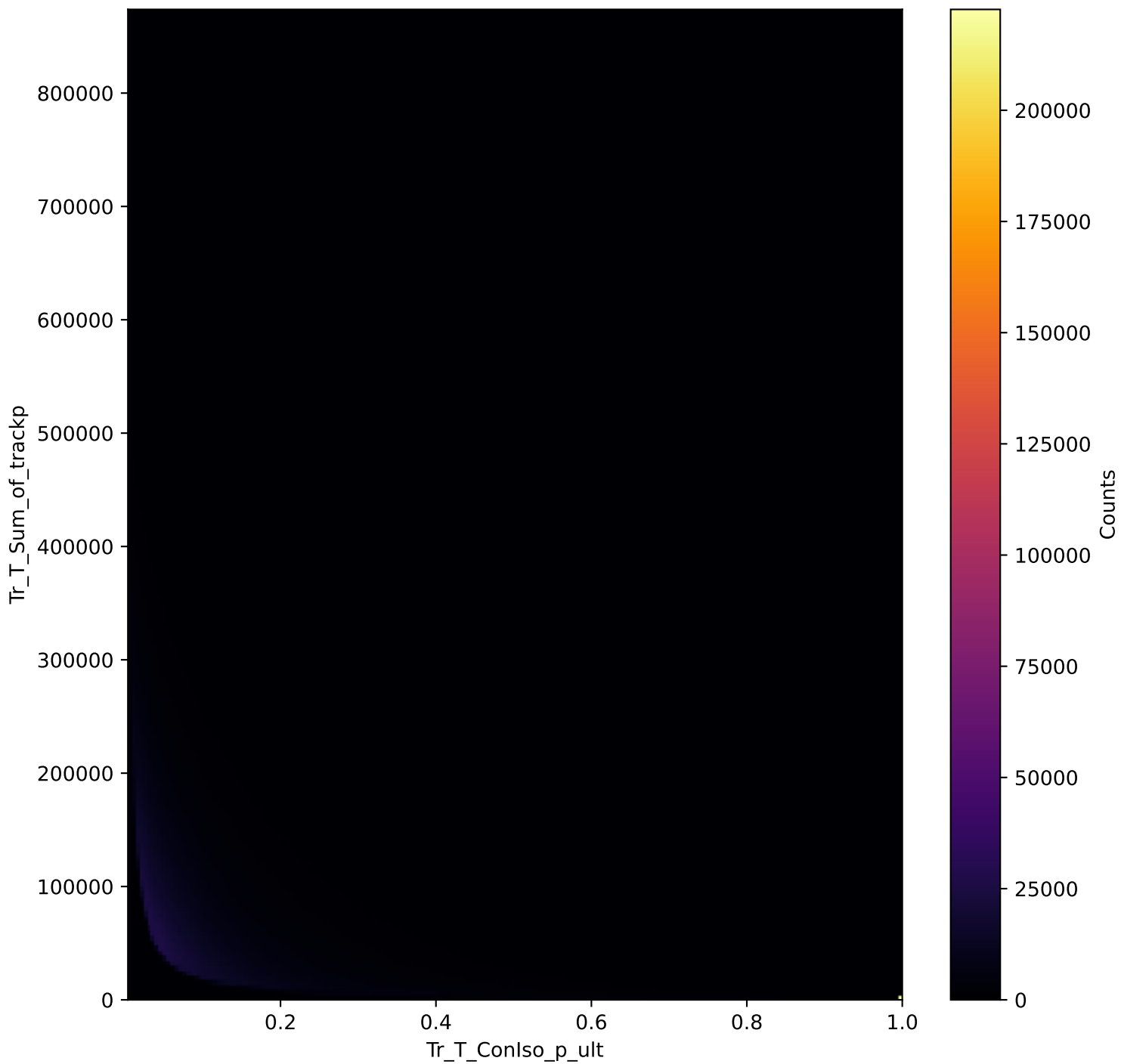


Hist2d Plot ('Tr\_T\_SumBDT\_ult' vs 'Tr\_T\_Sum\_of\_trackpt')  
correlation: -0.42911

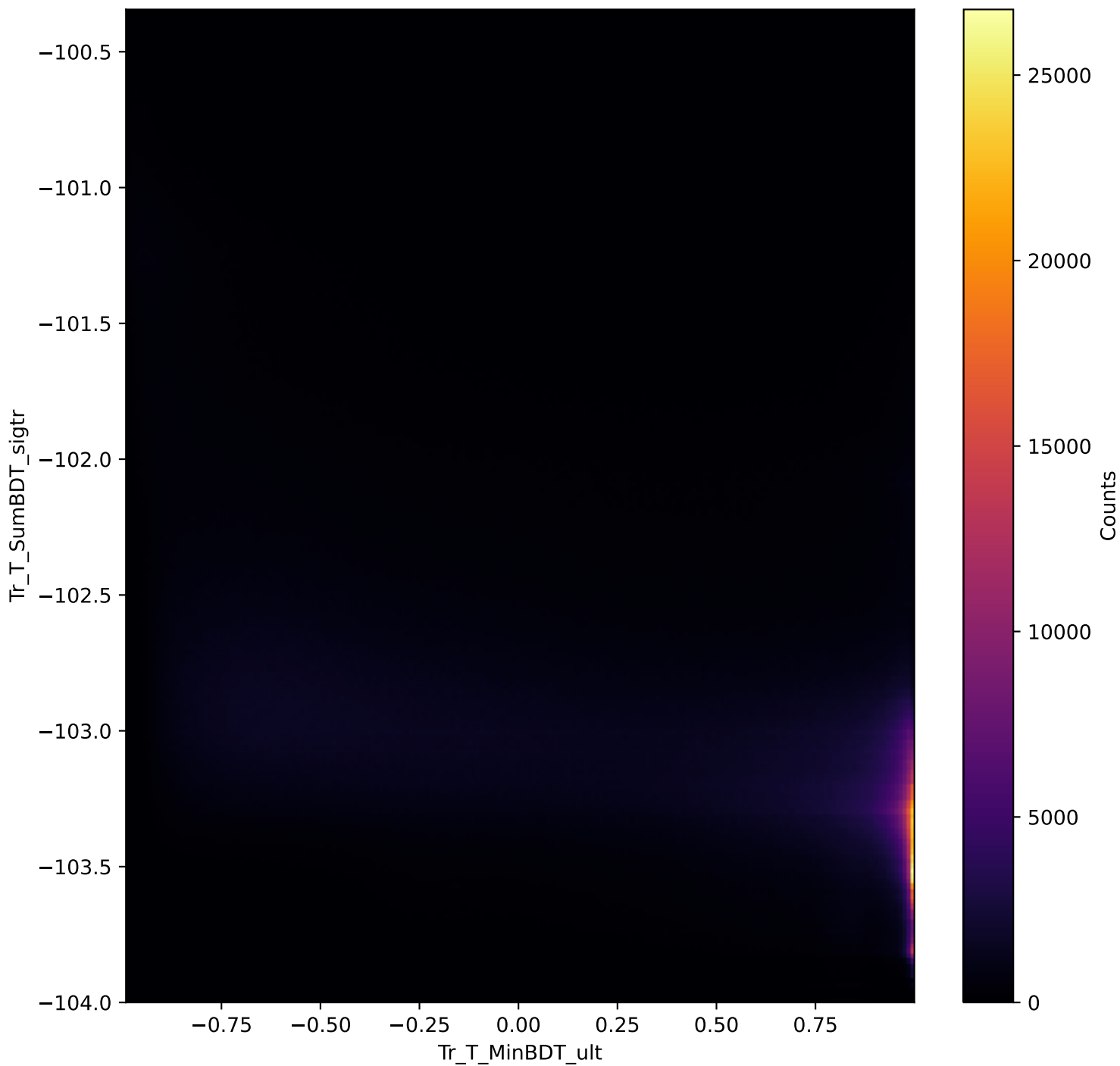




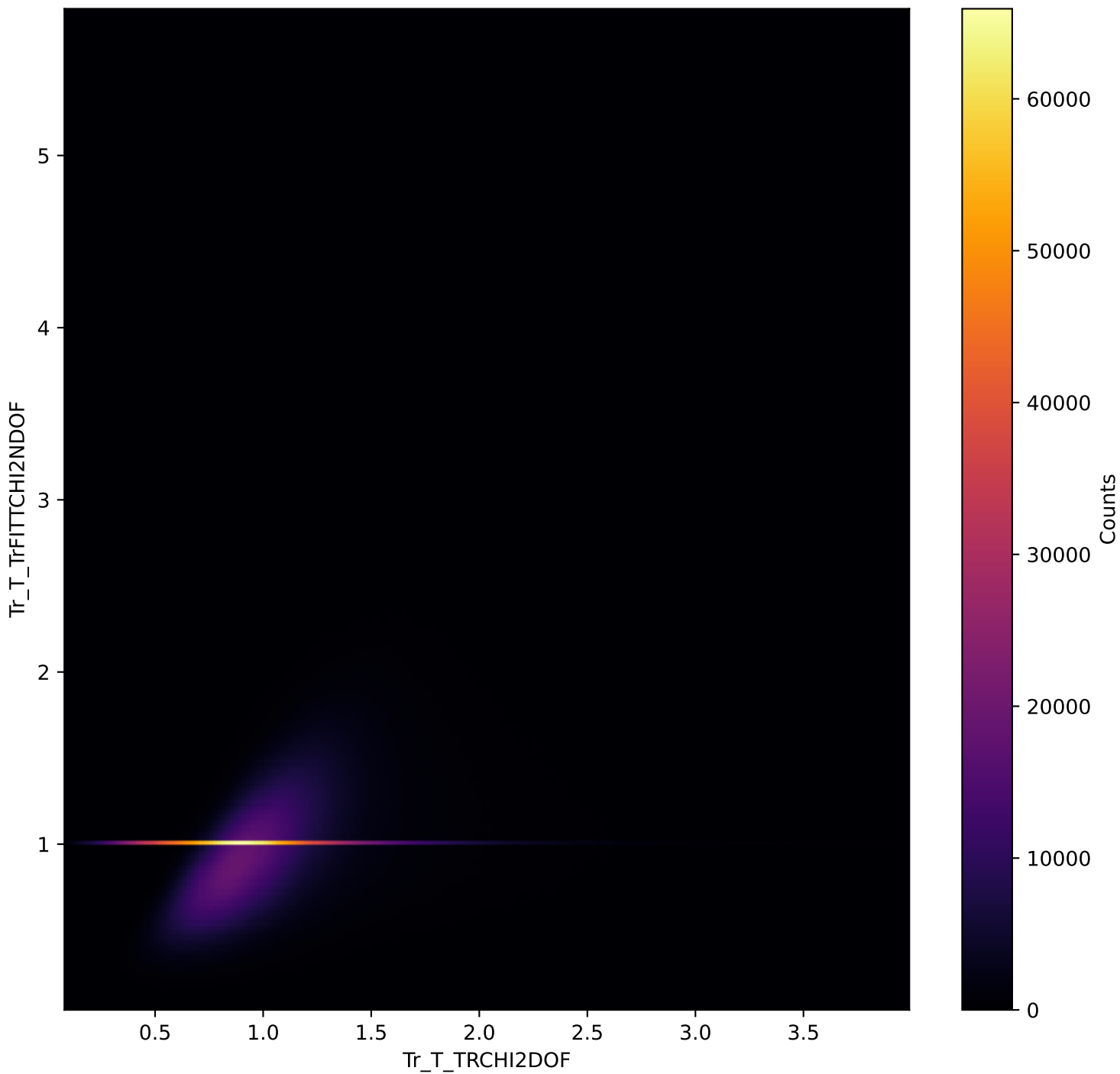
Hist2d Plot ('Tr\_T\_Conlso\_p\_ult' vs 'Tr\_T\_Sum\_of\_trackp')  
correlation: -0.42120



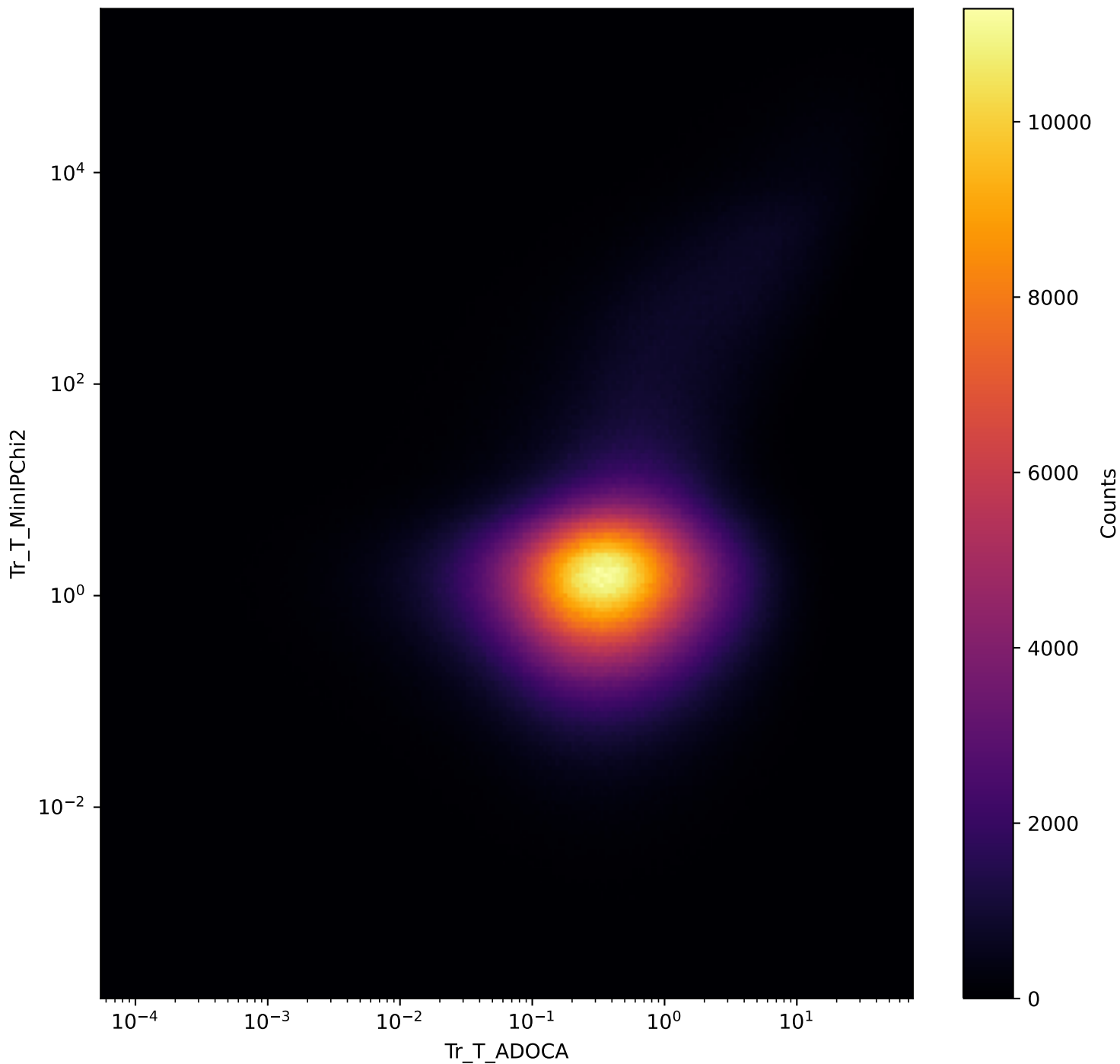
Hist2d Plot ('Tr\_T\_MinBDT\_ult' vs 'Tr\_T\_SumBDT\_sigtr')  
correlation: -0.41510



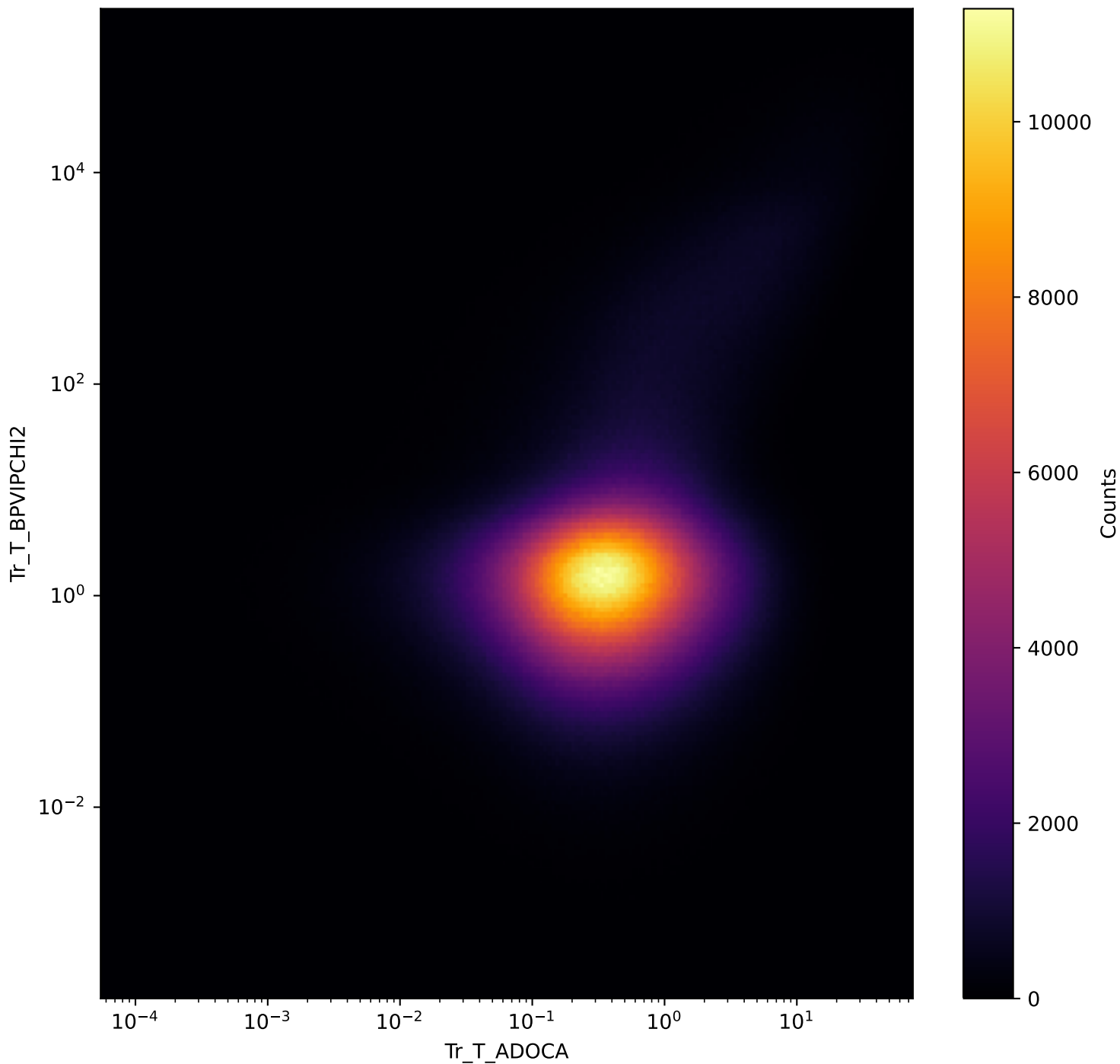
Hist2d Plot ('Tr\_T\_TRCHI2DOF' vs 'Tr\_T\_TrFITTCHI2NDOF')  
correlation: 0.40866



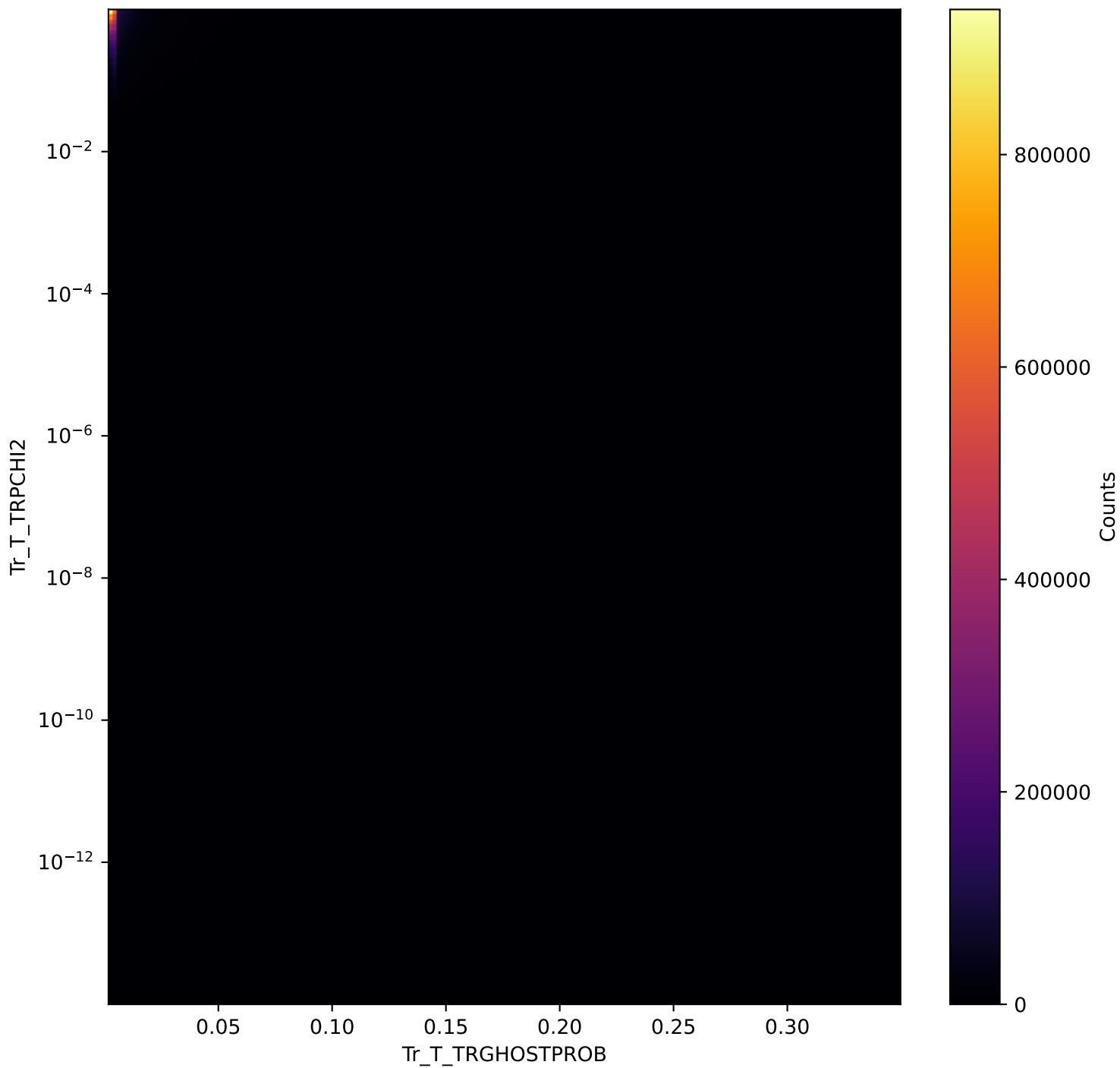
Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_MinIPChi2')  
correlation: 0.40192



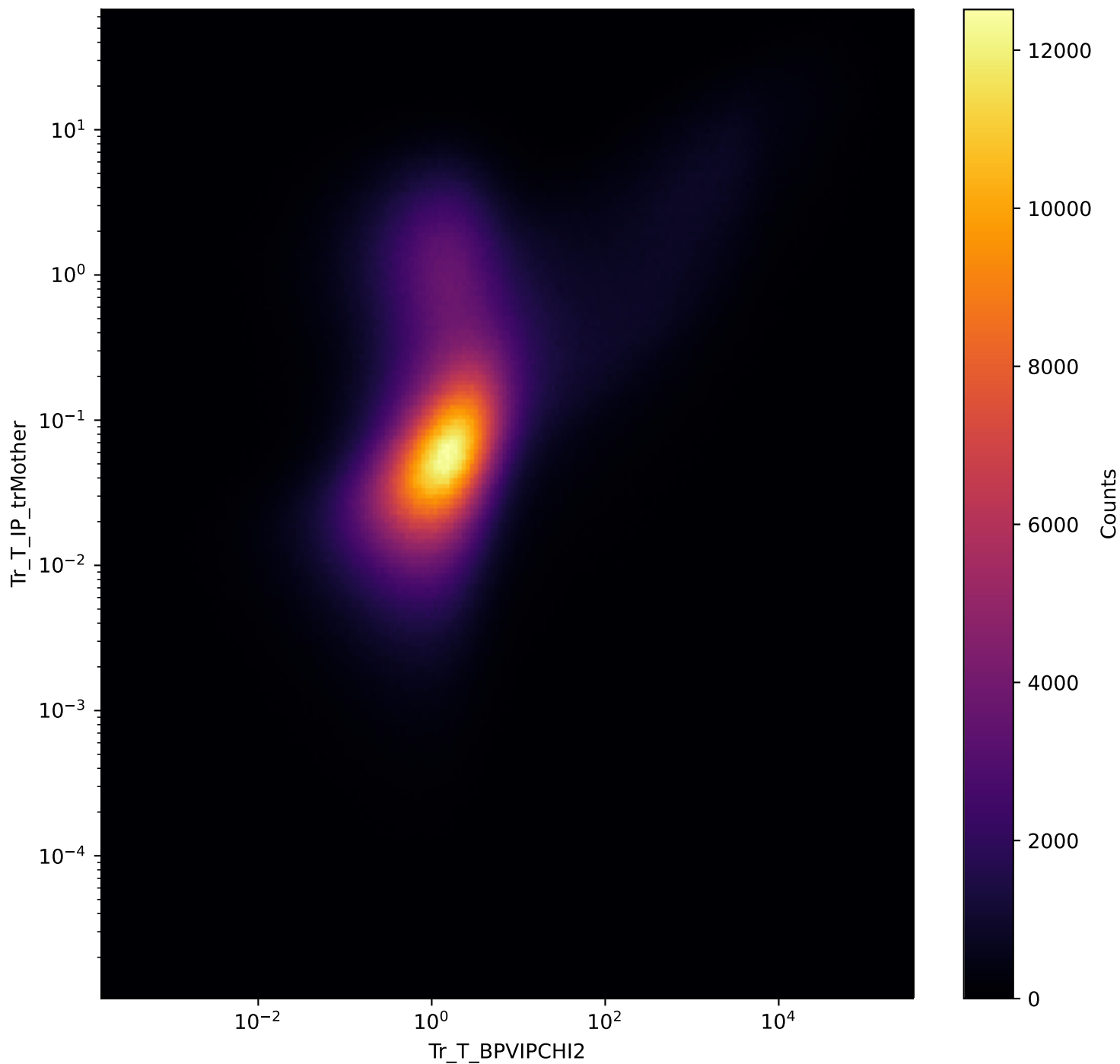
Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_BPVIPCHI2')  
correlation: 0.40192



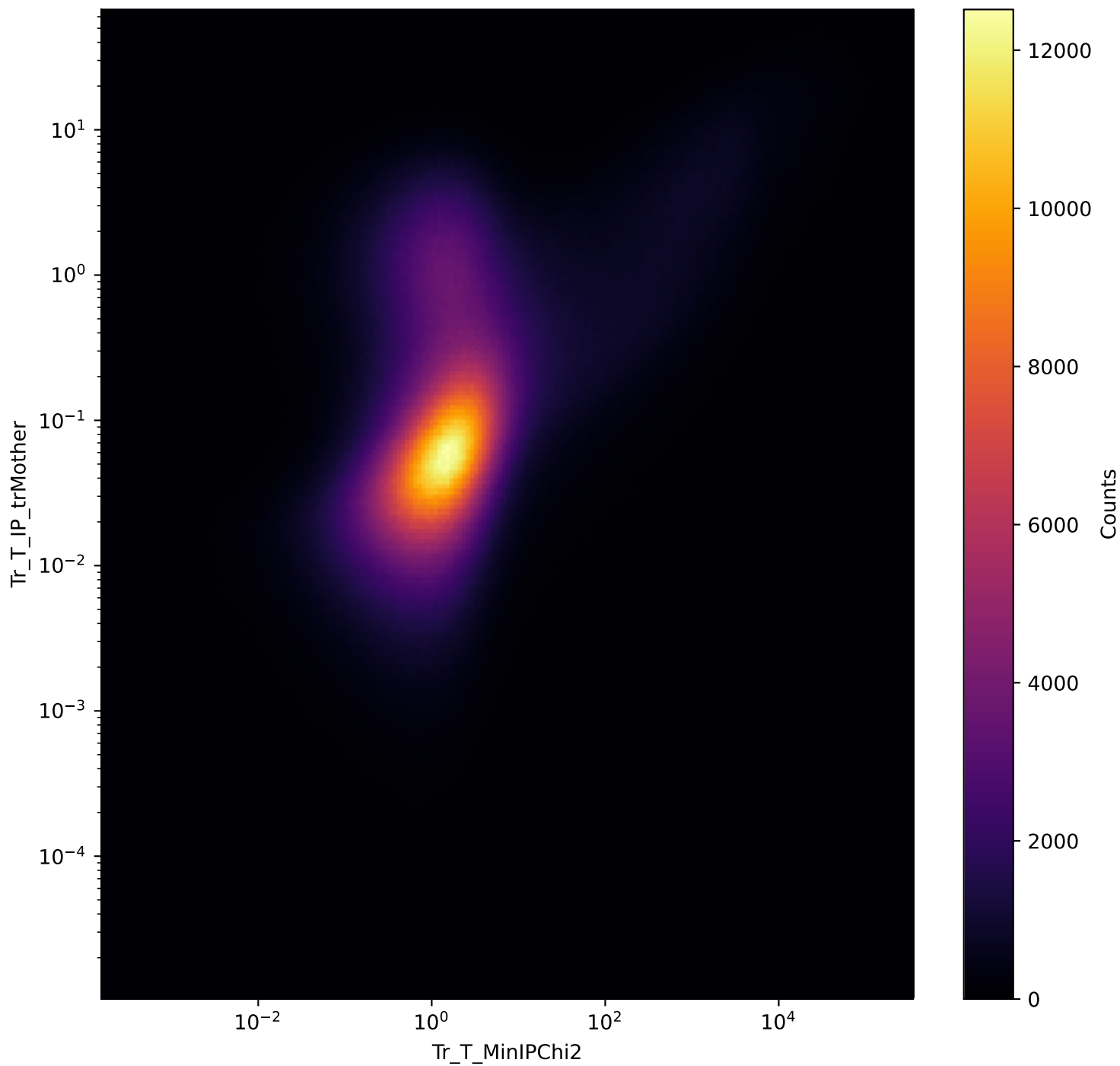
Hist2d Plot ('Tr\_T\_TRGHOSTPROB' vs 'Tr\_T\_TRPCHI2')  
correlation: -0.40139



Hist2d Plot ('Tr\_T\_BPVIPCHI2' vs 'Tr\_T\_IP\_trMother')  
correlation: 0.39416

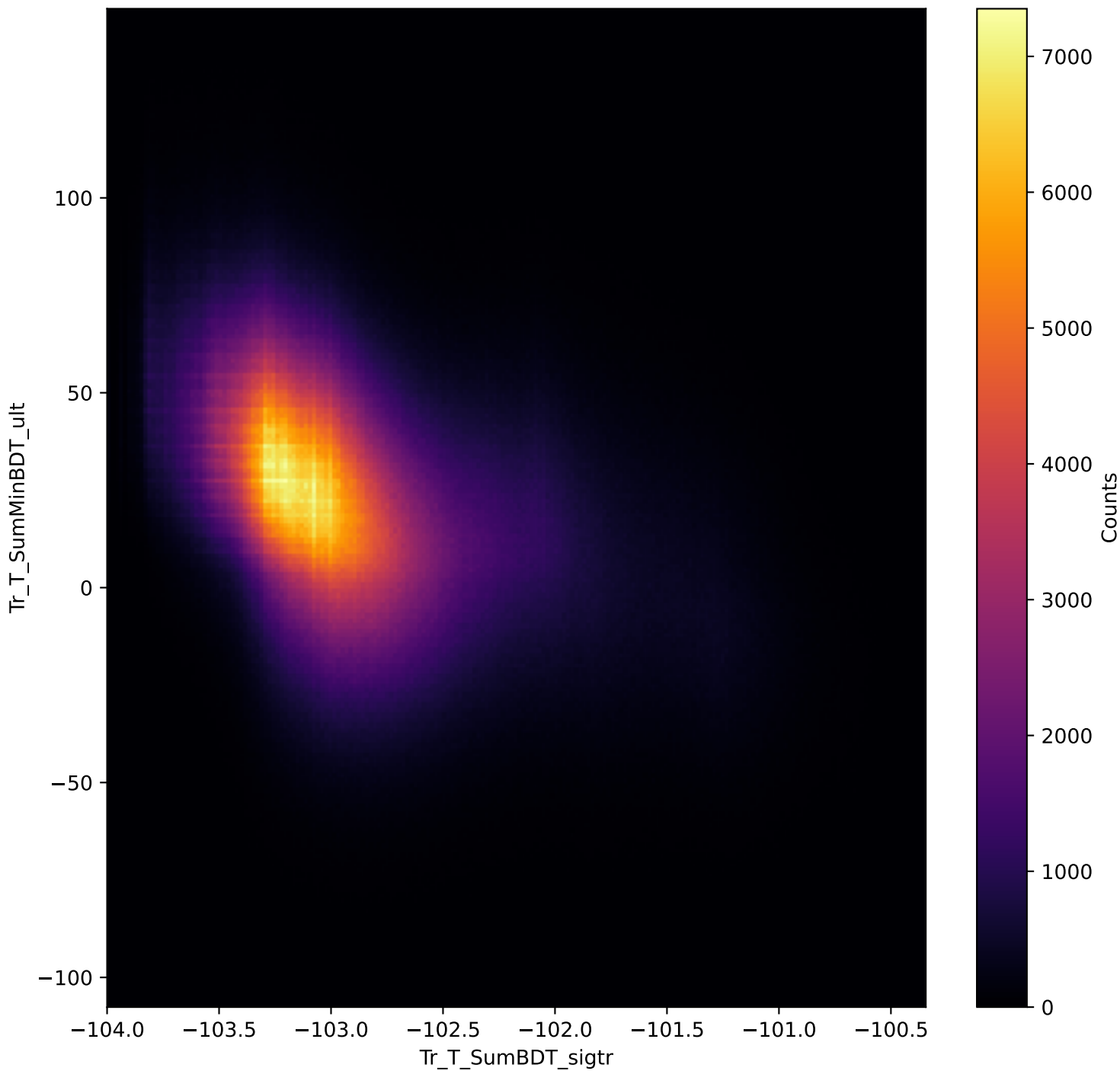


Hist2d Plot ('Tr\_T\_MinIPChi2' vs 'Tr\_T\_IP\_trMother')  
correlation: 0.39416

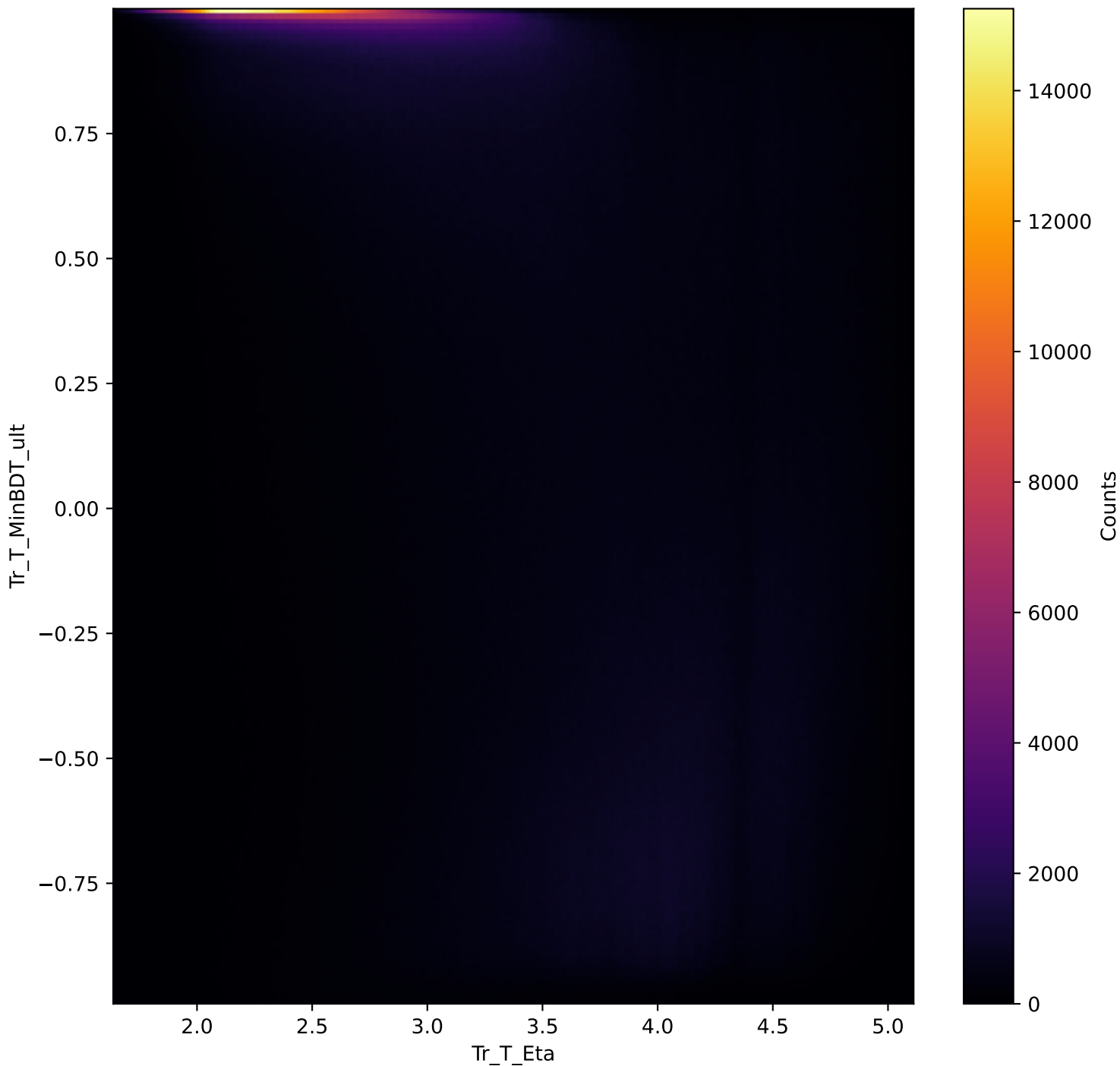




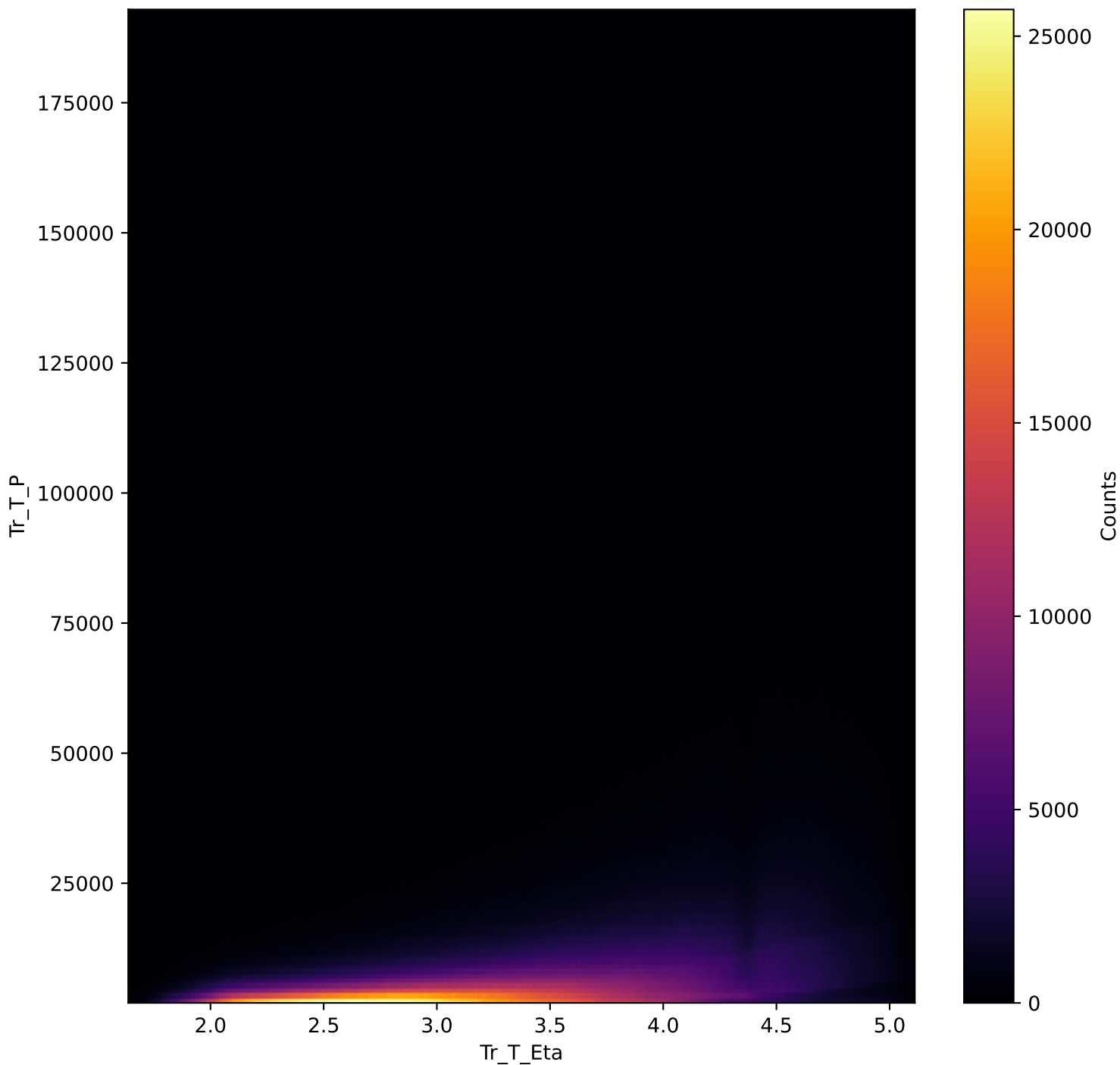
Hist2d Plot ('Tr\_T\_SumBDT\_sigtr' vs 'Tr\_T\_SumMinBDT\_ult')  
correlation: -0.39196



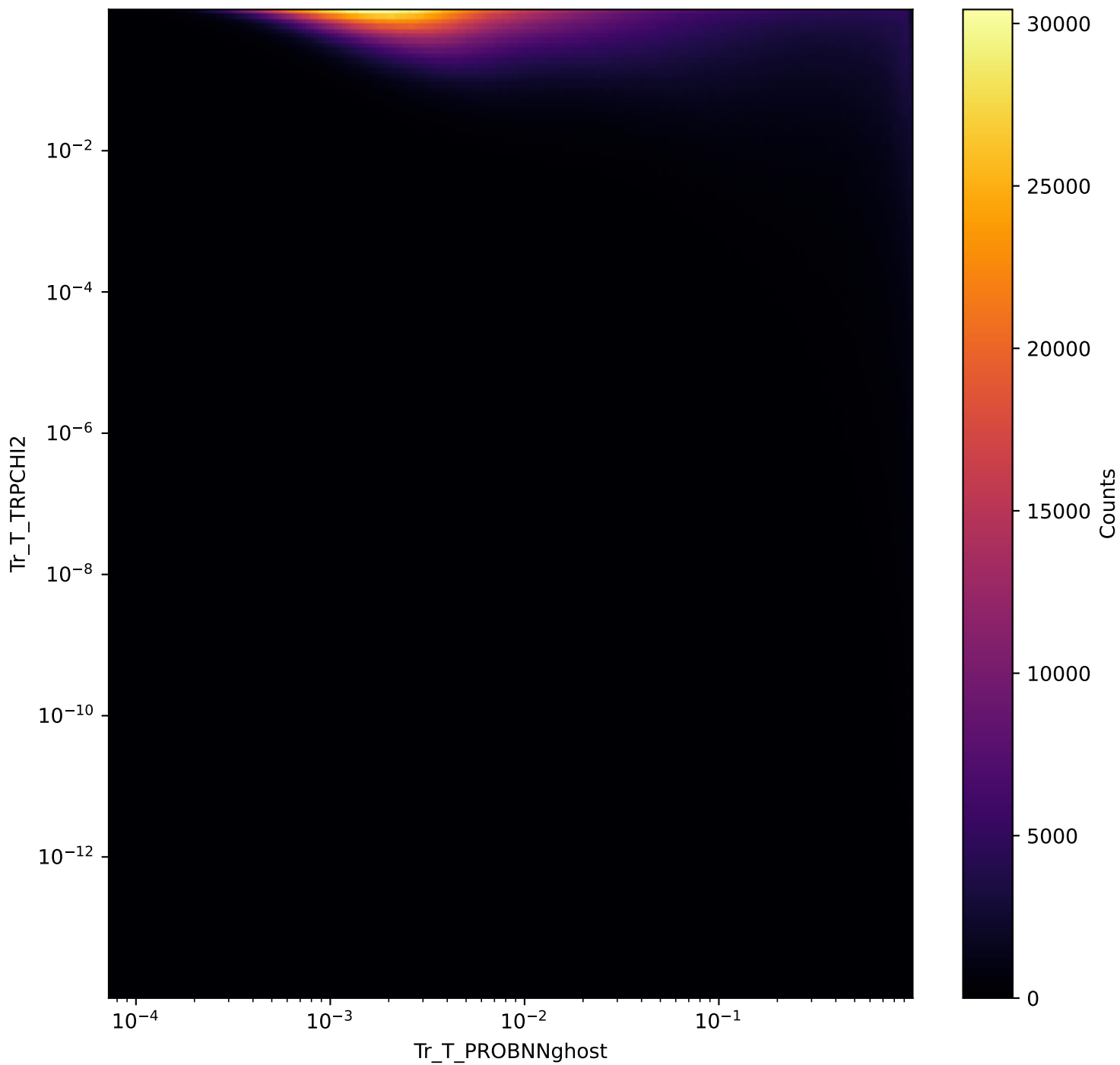
Hist2d Plot ('Tr\_T\_Eta' vs 'Tr\_T\_MinBDT\_ult')  
correlation: -0.39161



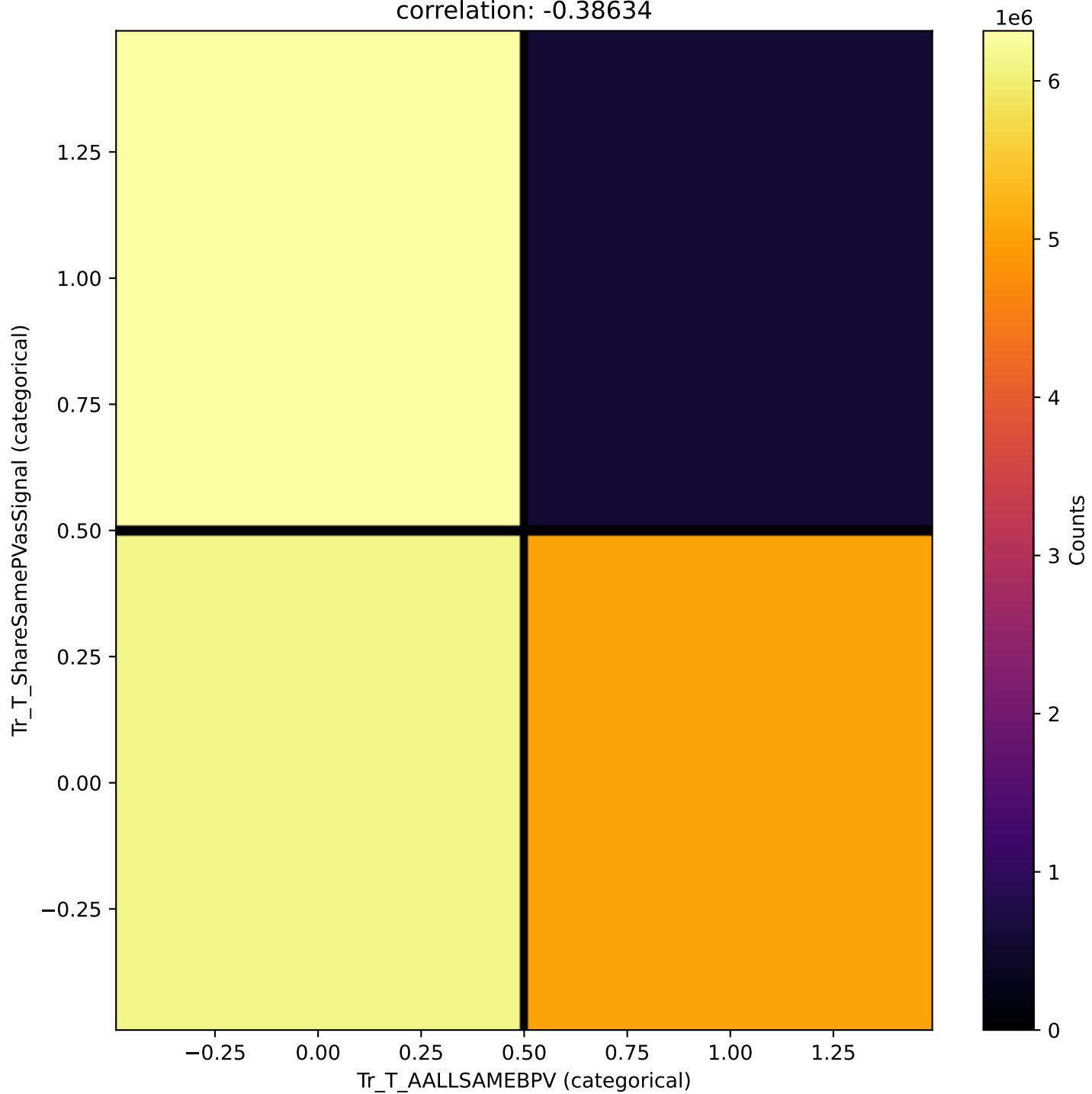
Hist2d Plot ('Tr\_T\_Eta' vs 'Tr\_T\_P')  
correlation: 0.39125



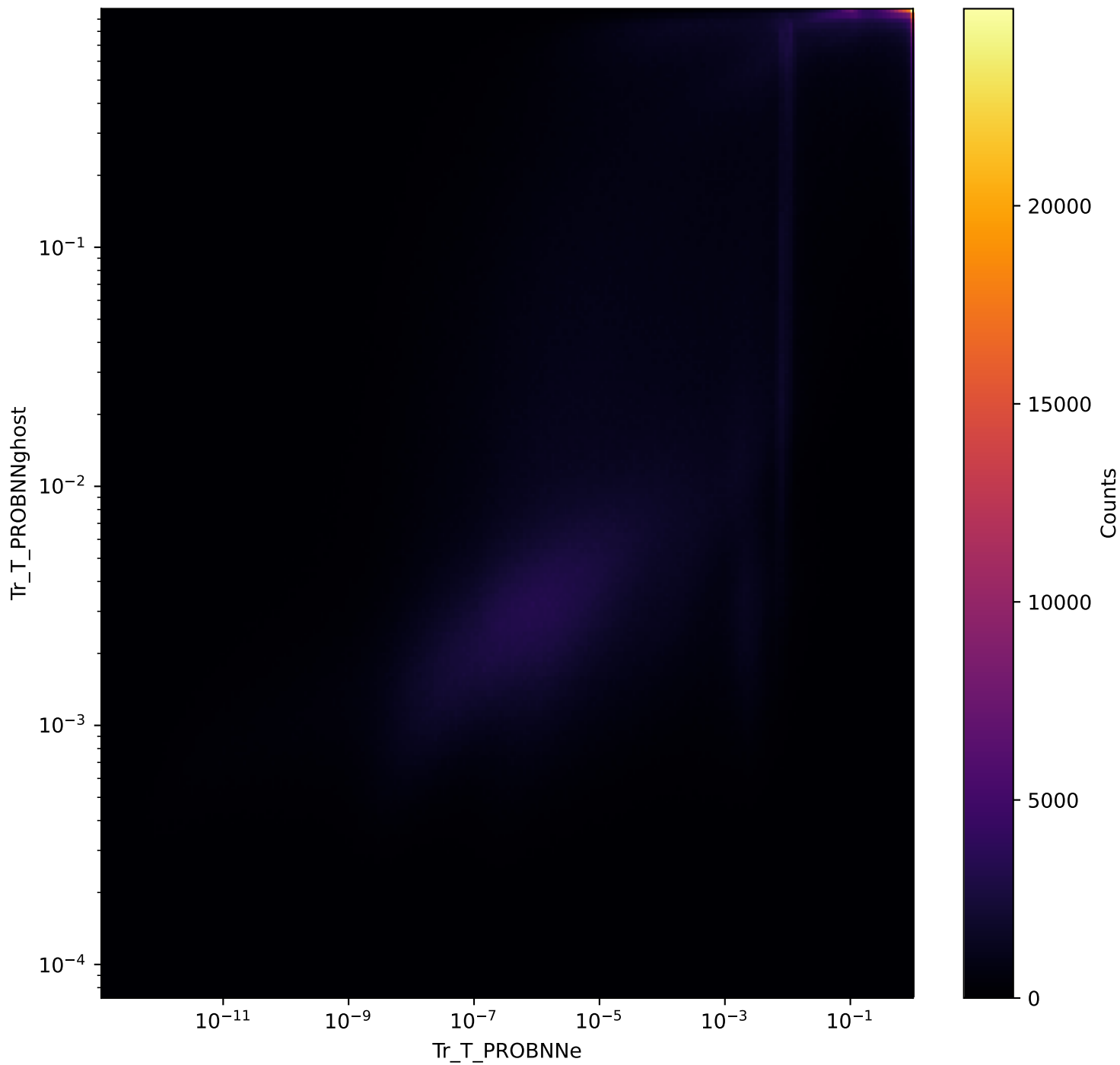
Hist2d Plot ('Tr\_T\_PROBNNghost' vs 'Tr\_T\_TRPCHI2')  
correlation: -0.38999



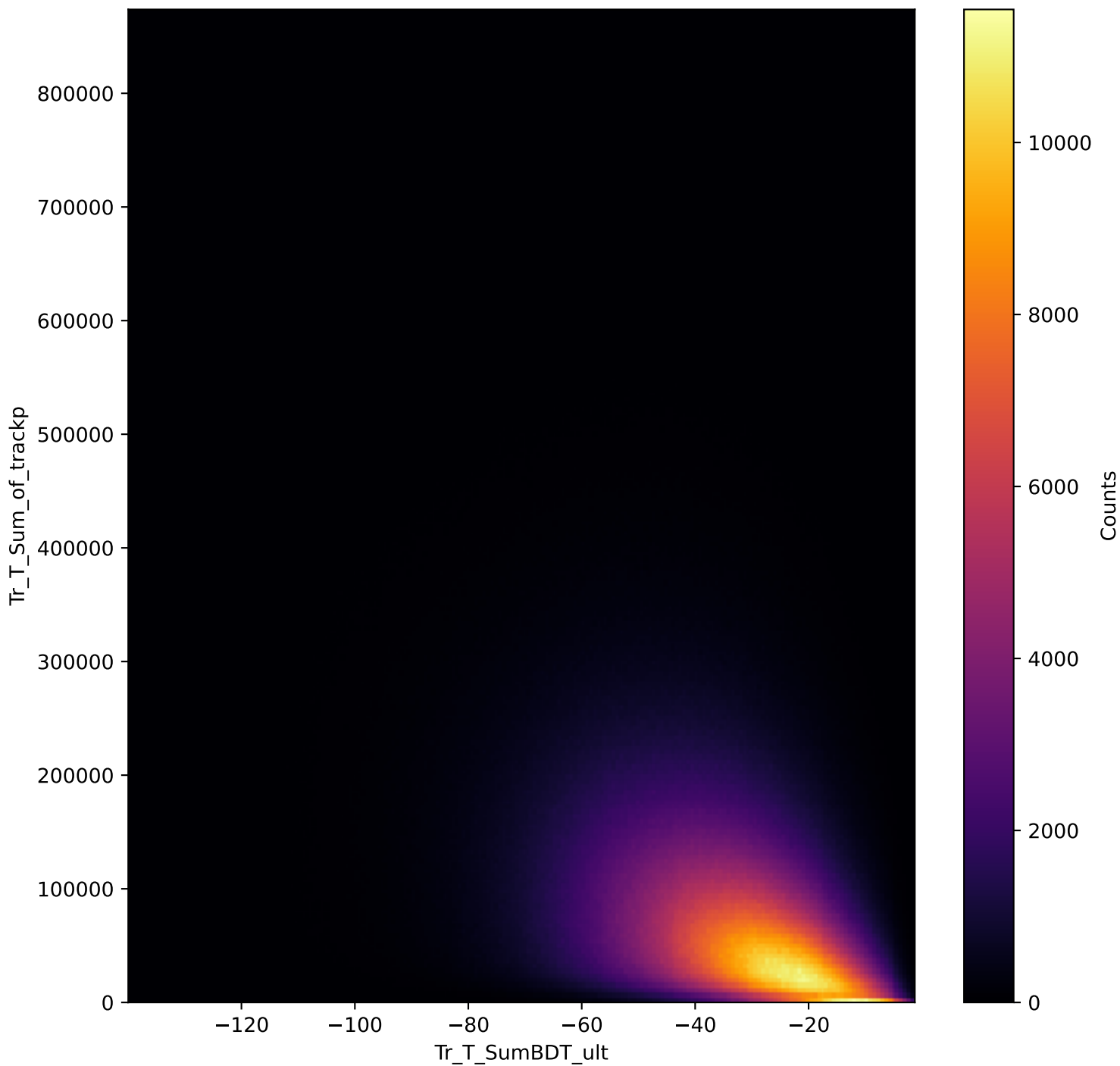
Hist2d Plot ('Tr\_T\_AALLSAMEBPV' vs 'Tr\_T\_ShareSamePVasSignal')  
correlation: -0.38634



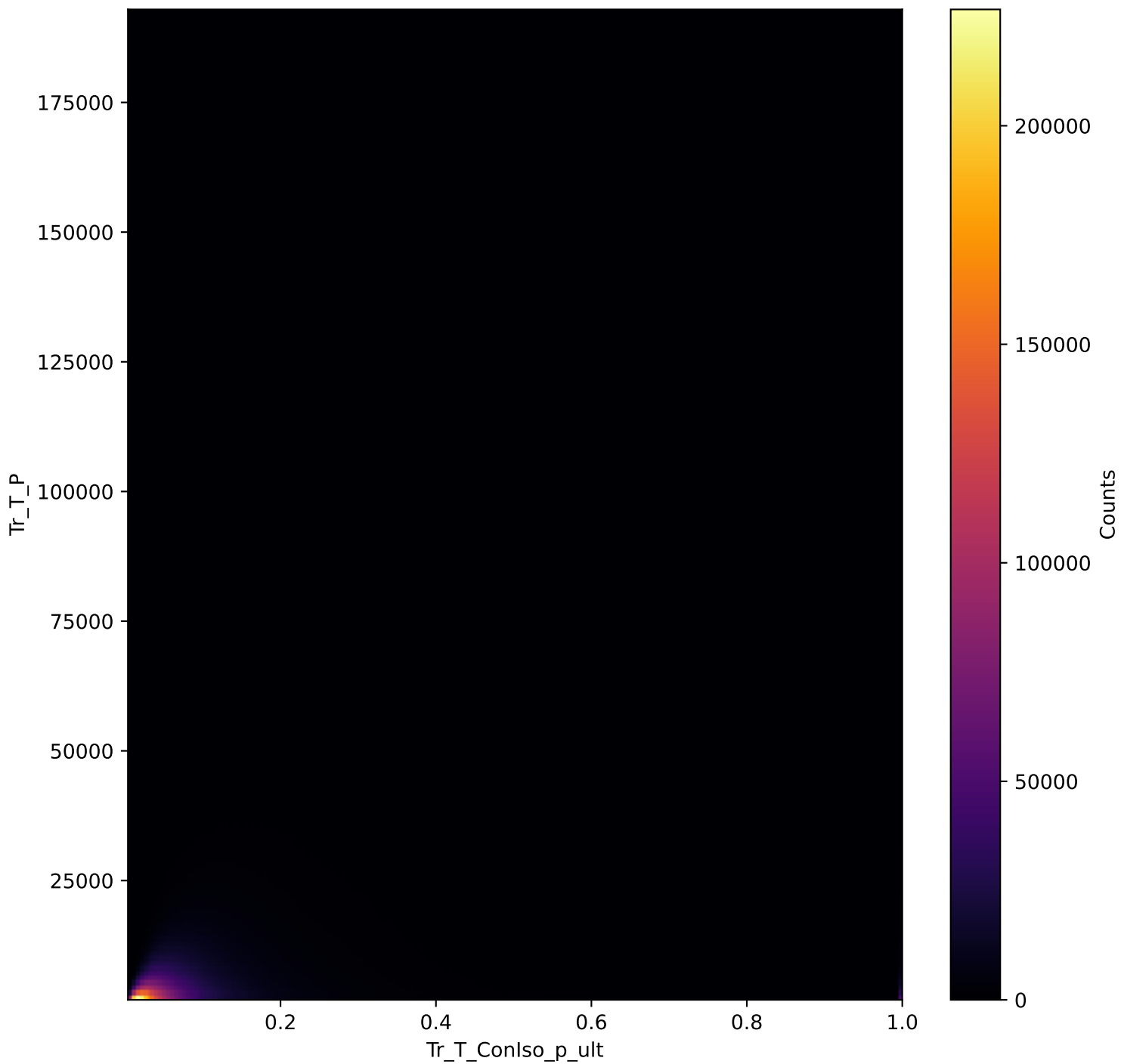
Hist2d Plot ('Tr\_T\_PROBNNNe' vs 'Tr\_T\_PROBNNghost')  
correlation: 0.38572



Hist2d Plot ('Tr\_T\_SumBDT\_ult' vs 'Tr\_T\_Sum\_of\_trackp')  
correlation: -0.38389

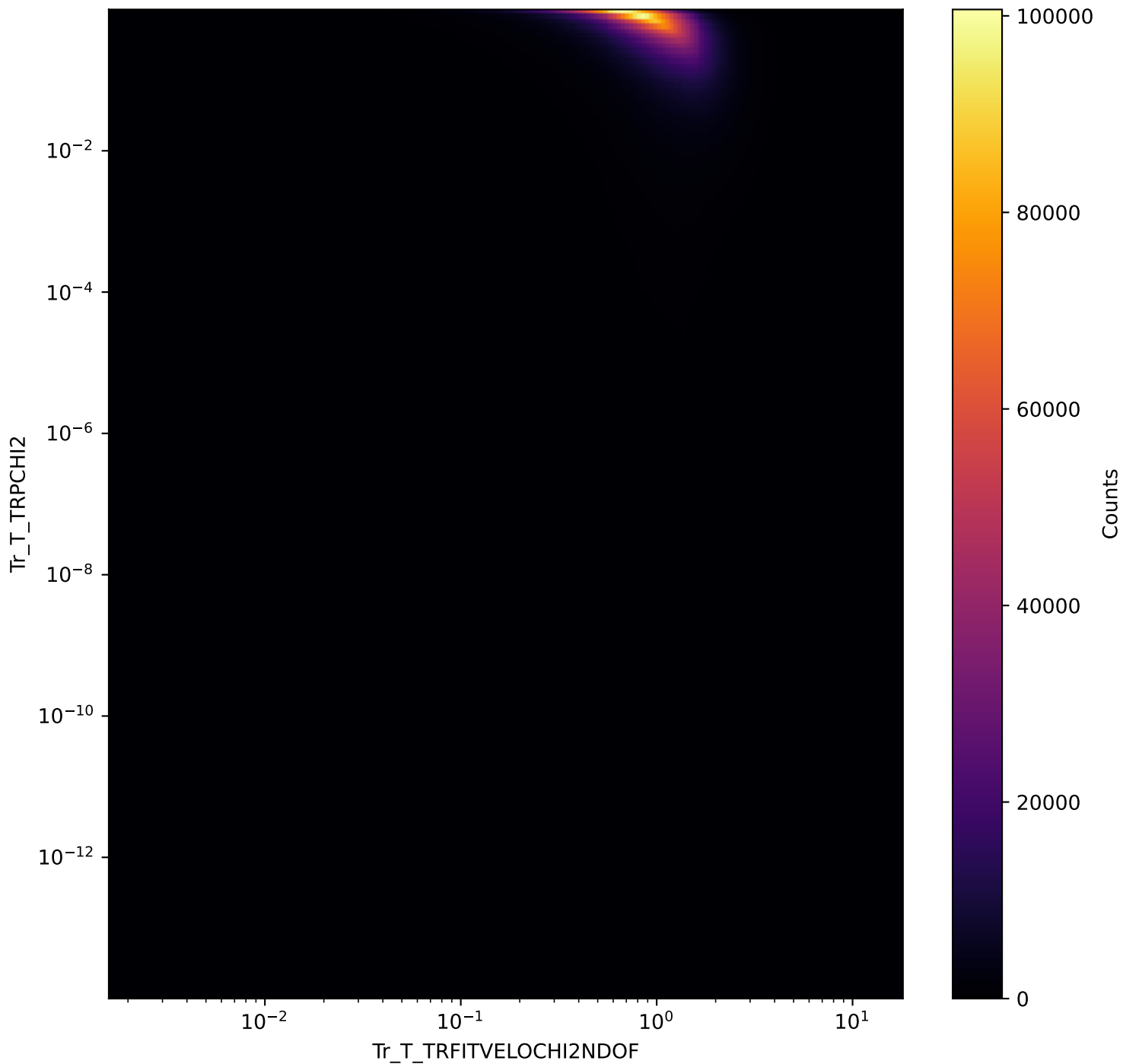


Hist2d Plot ('Tr\_T\_Conlso\_p\_ult' vs 'Tr\_T\_P')  
correlation: 0.38032

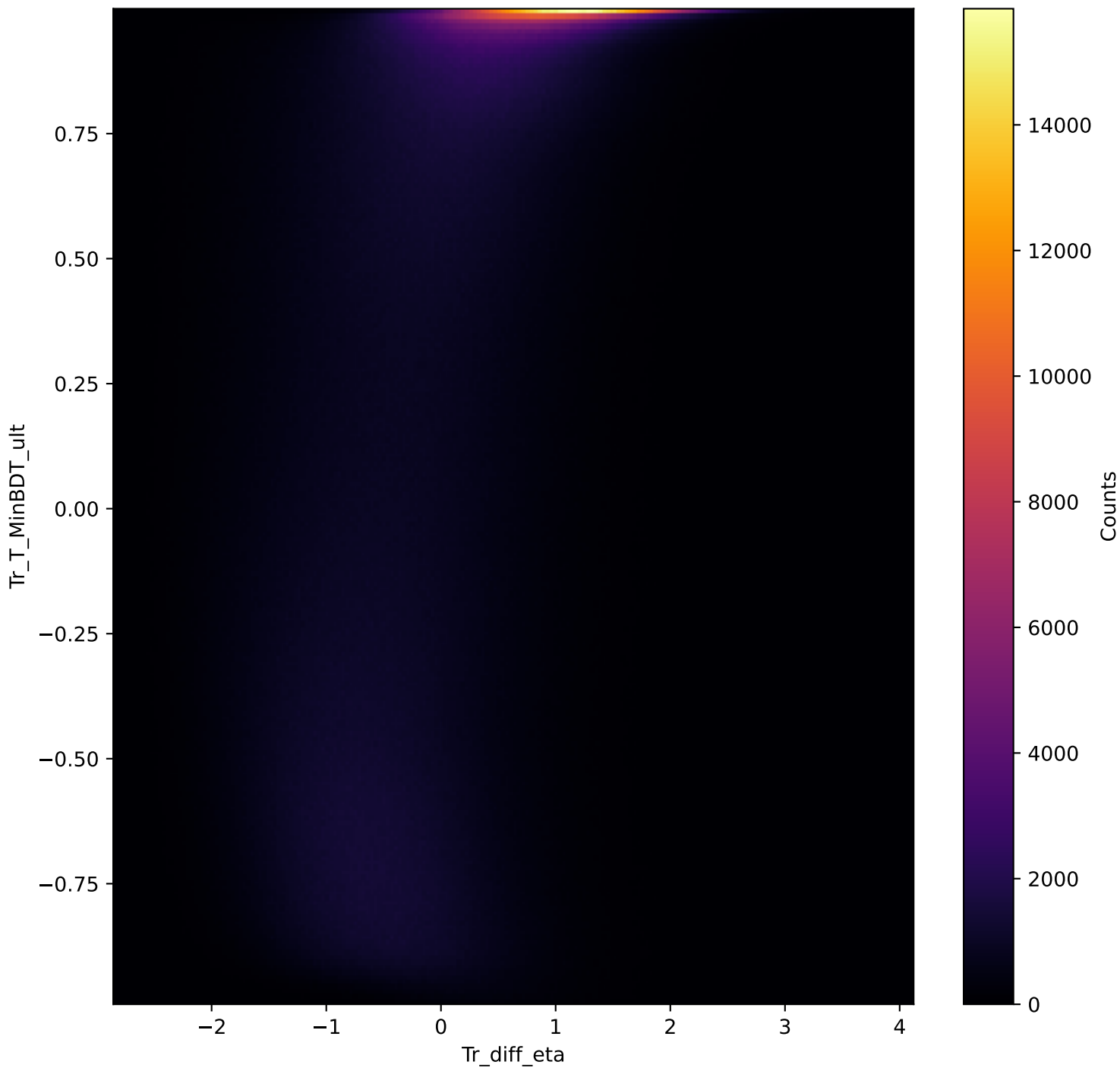




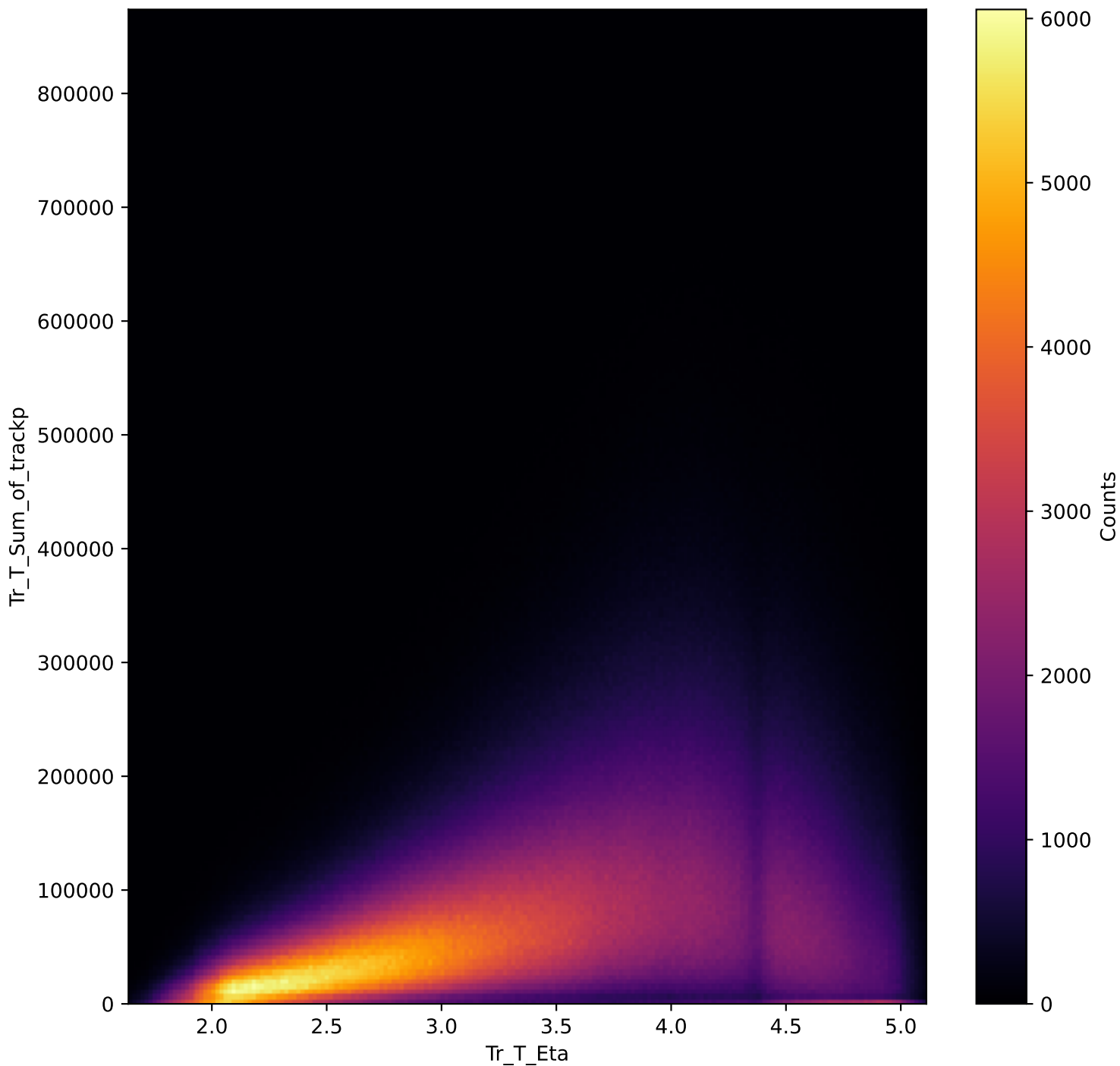
Hist2d Plot ('Tr\_T\_TRFITVELOCHI2NDOF' vs 'Tr\_T\_TRPCHI2')  
correlation: -0.37200



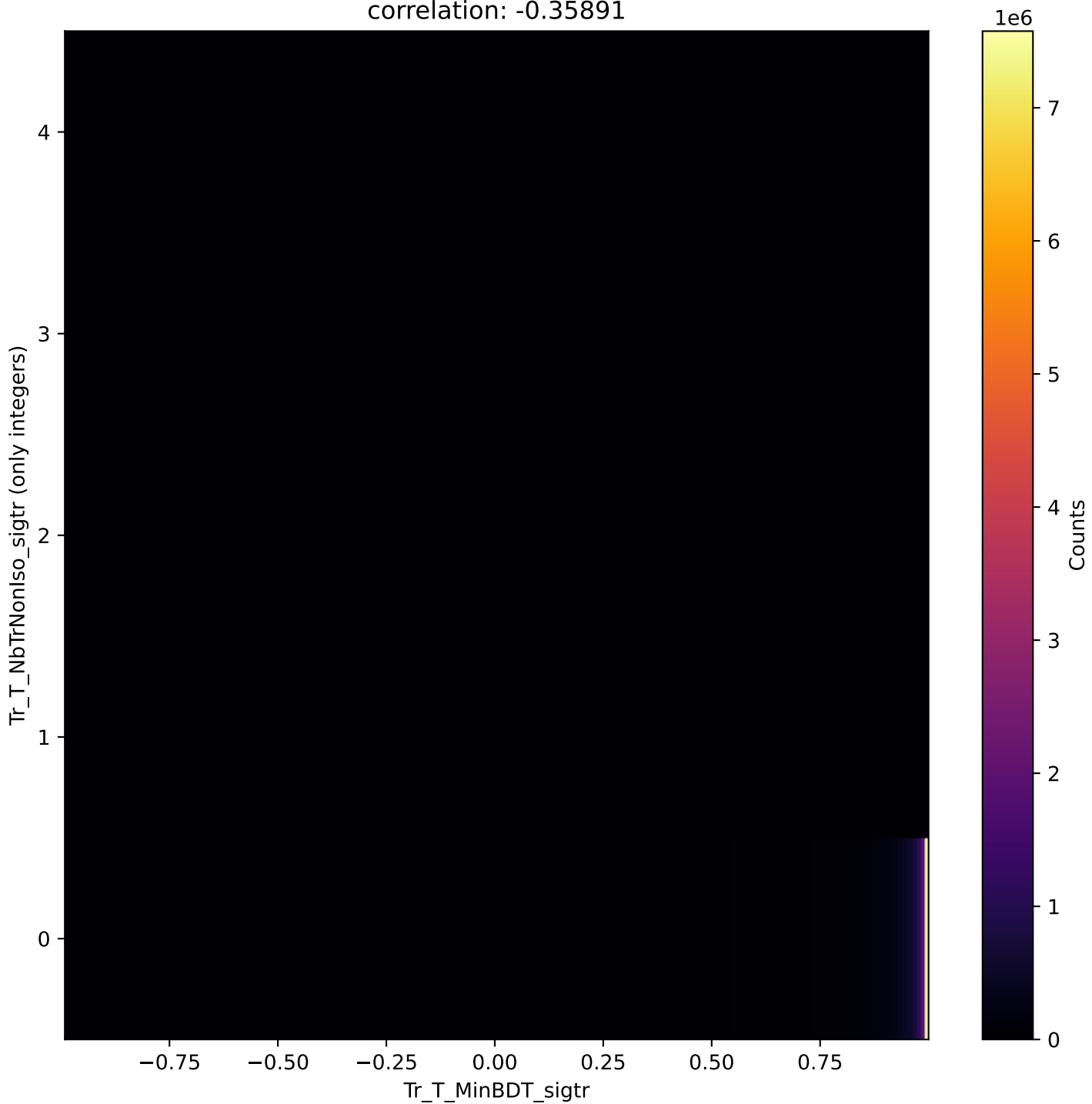
Hist2d Plot ('Tr\_diff\_eta' vs 'Tr\_T\_MinBDT\_ult')  
correlation: 0.36670



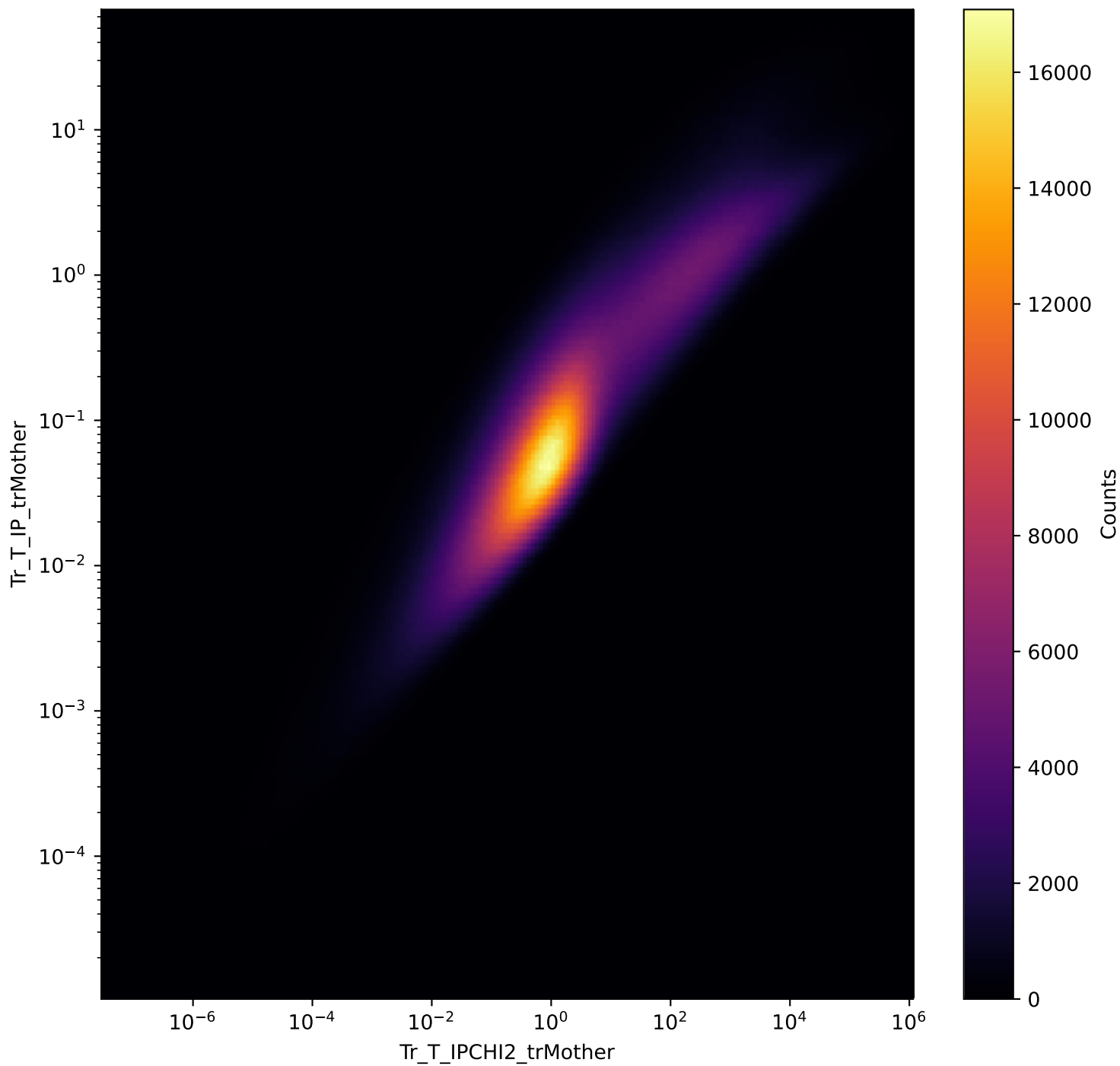
Hist2d Plot ('Tr\_T\_Eta' vs 'Tr\_T\_Sum\_of\_trackp')  
correlation: 0.36446



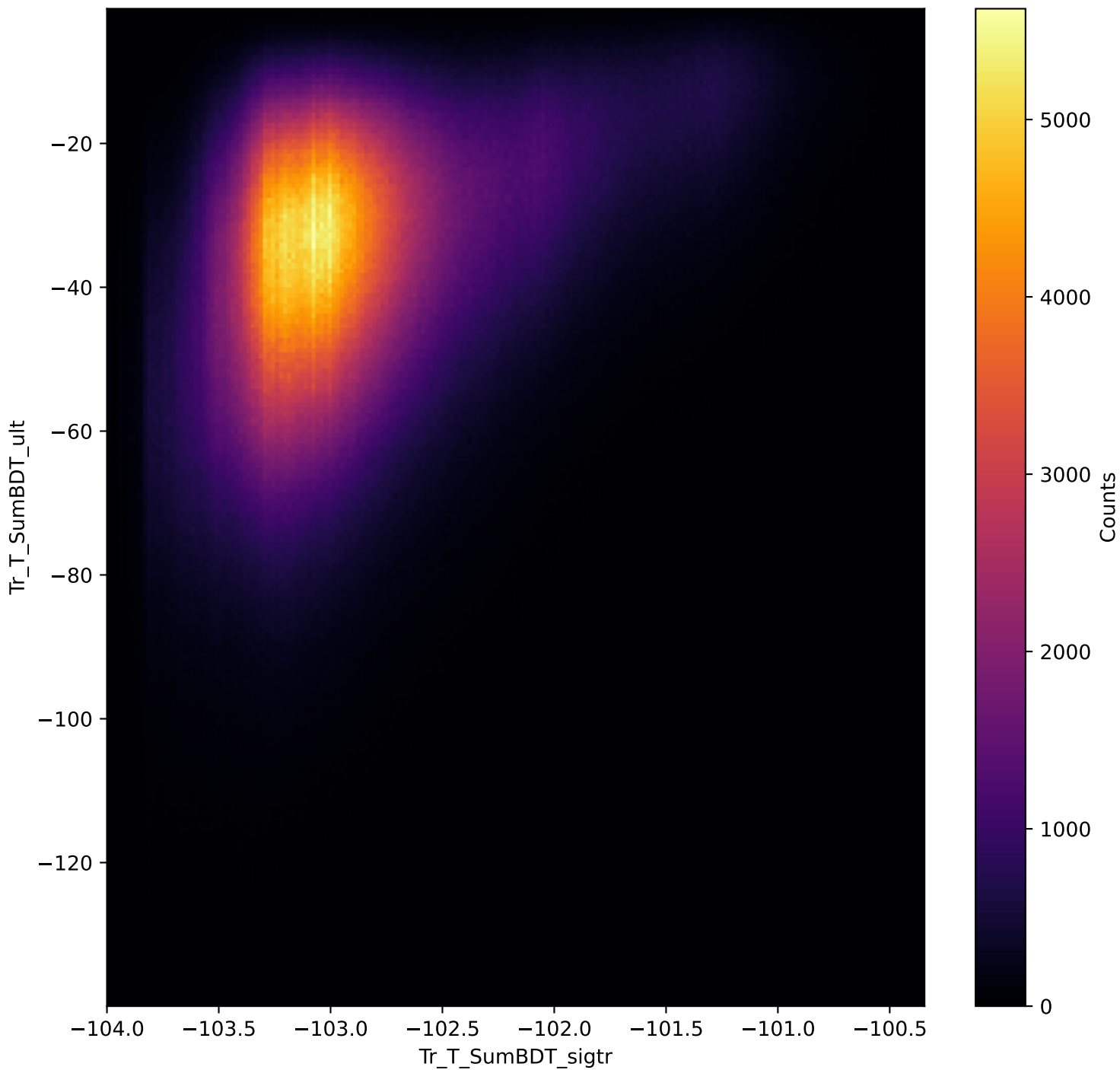
Hist2d Plot ('Tr\_T\_MinBDT\_sigtr' vs 'Tr\_T\_NbTrNonIso\_sigtr')  
correlation: -0.35891



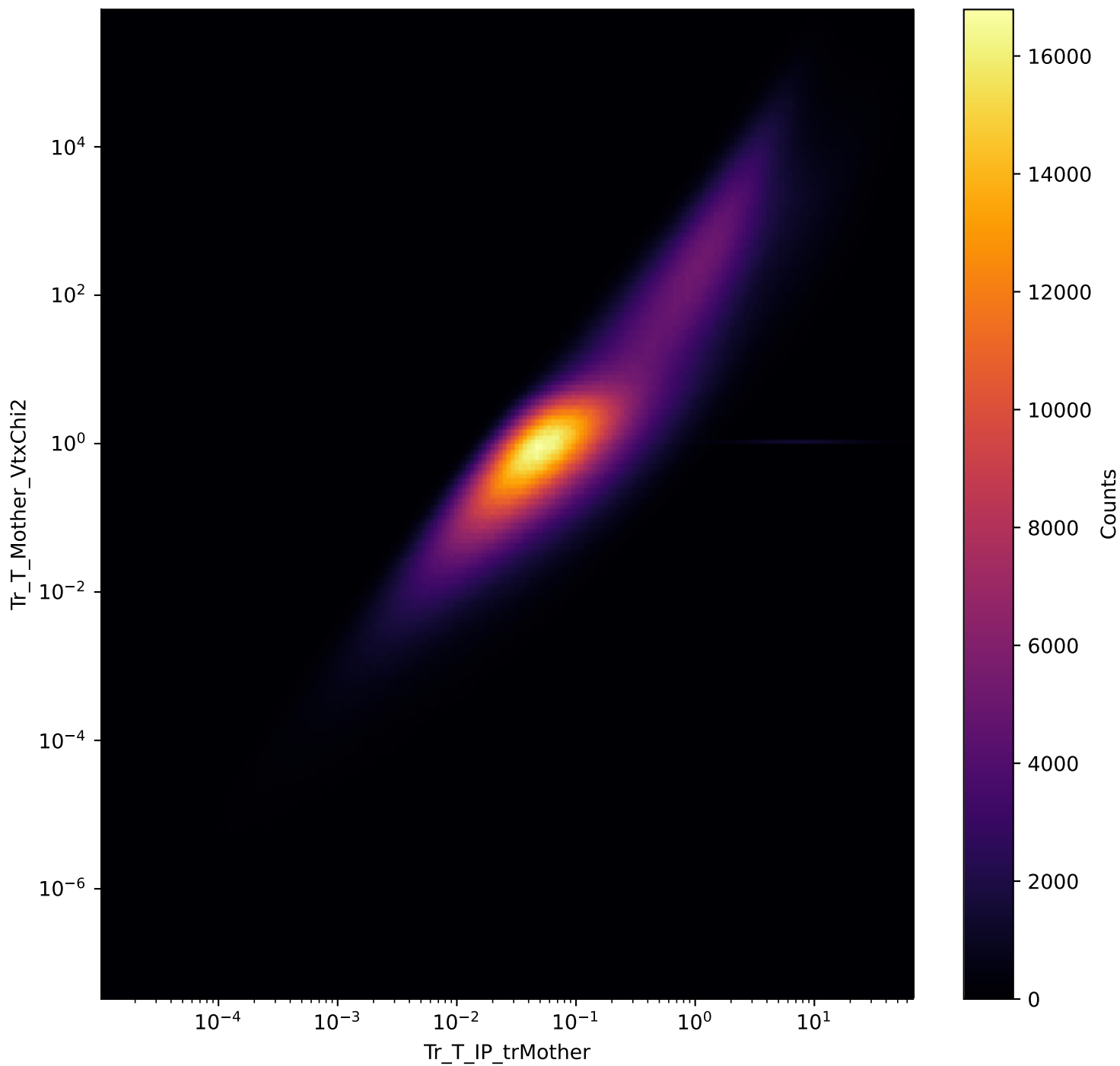
Hist2d Plot ('Tr\_T\_IPCHI2\_trMother' vs 'Tr\_T\_IP\_trMother')  
correlation: 0.35567



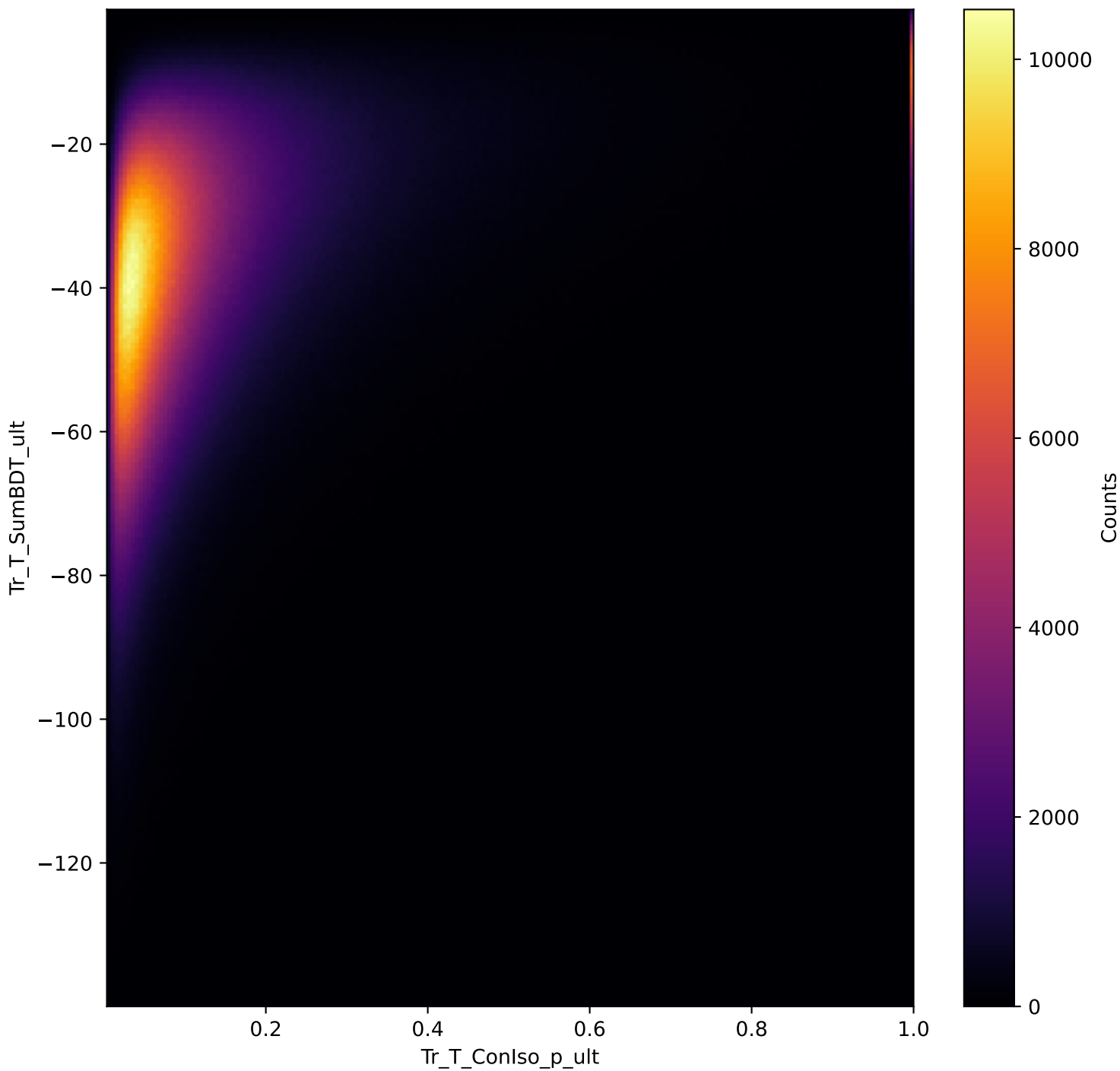
Hist2d Plot ('Tr\_T\_SumBDT\_sigtr' vs 'Tr\_T\_SumBDT\_ult')  
correlation: 0.35263



Hist2d Plot ('Tr\_T\_IP\_trMother' vs 'Tr\_T\_Mother\_VtxChi2')  
correlation: 0.34957

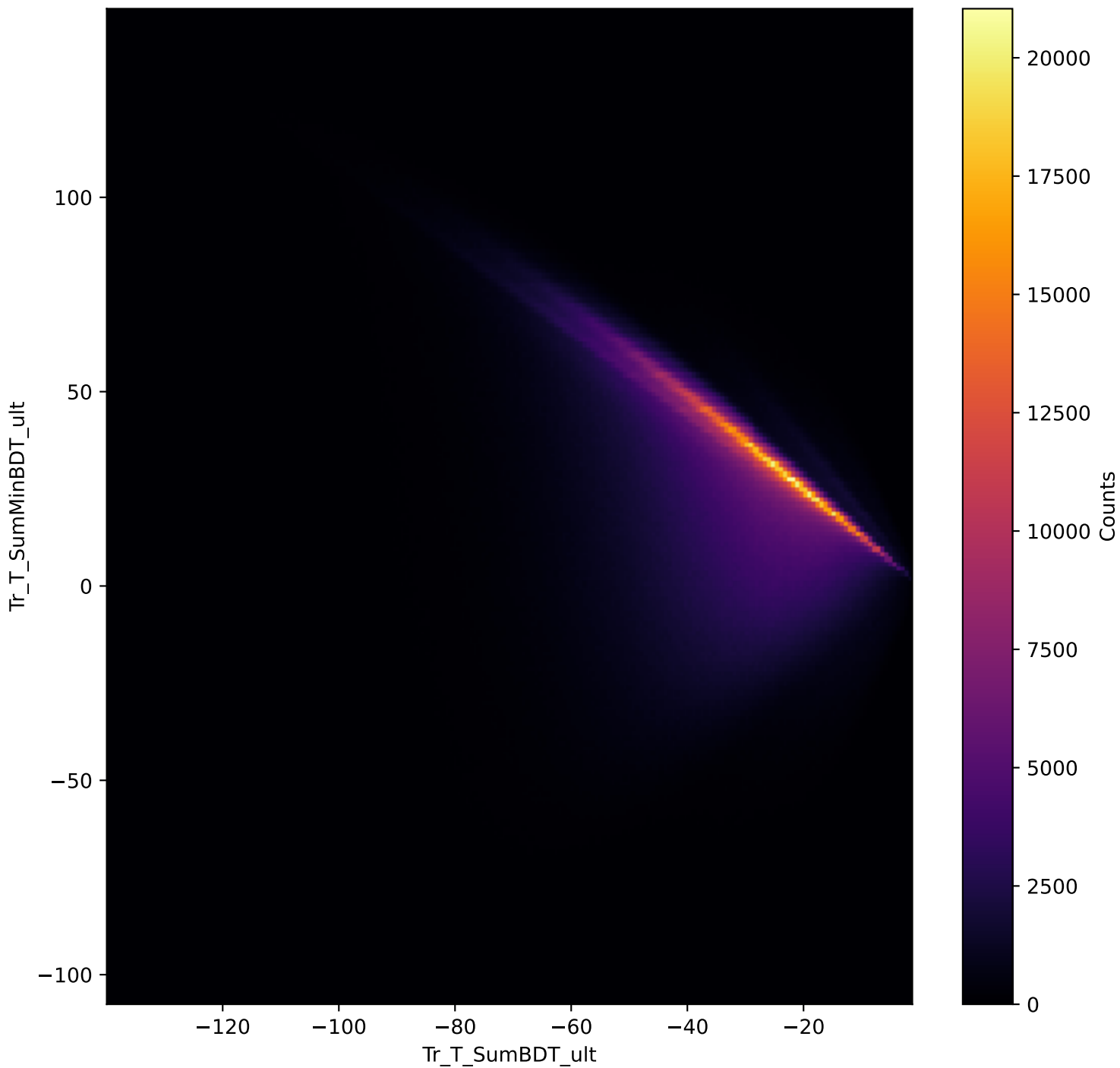


Hist2d Plot ('Tr\_T\_ConIso\_p\_ult' vs 'Tr\_T\_SumBDT\_ult')  
correlation: 0.34684

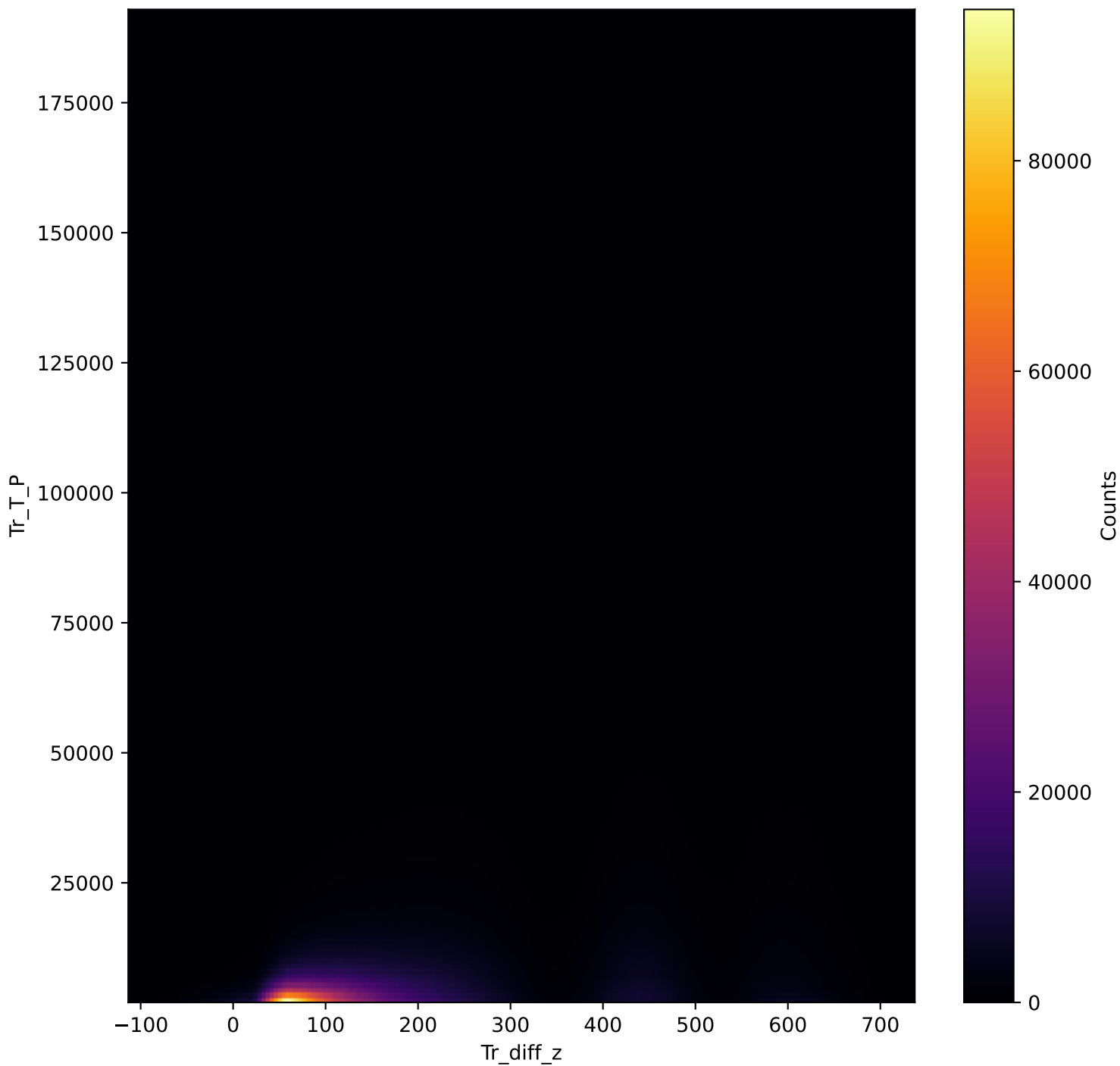




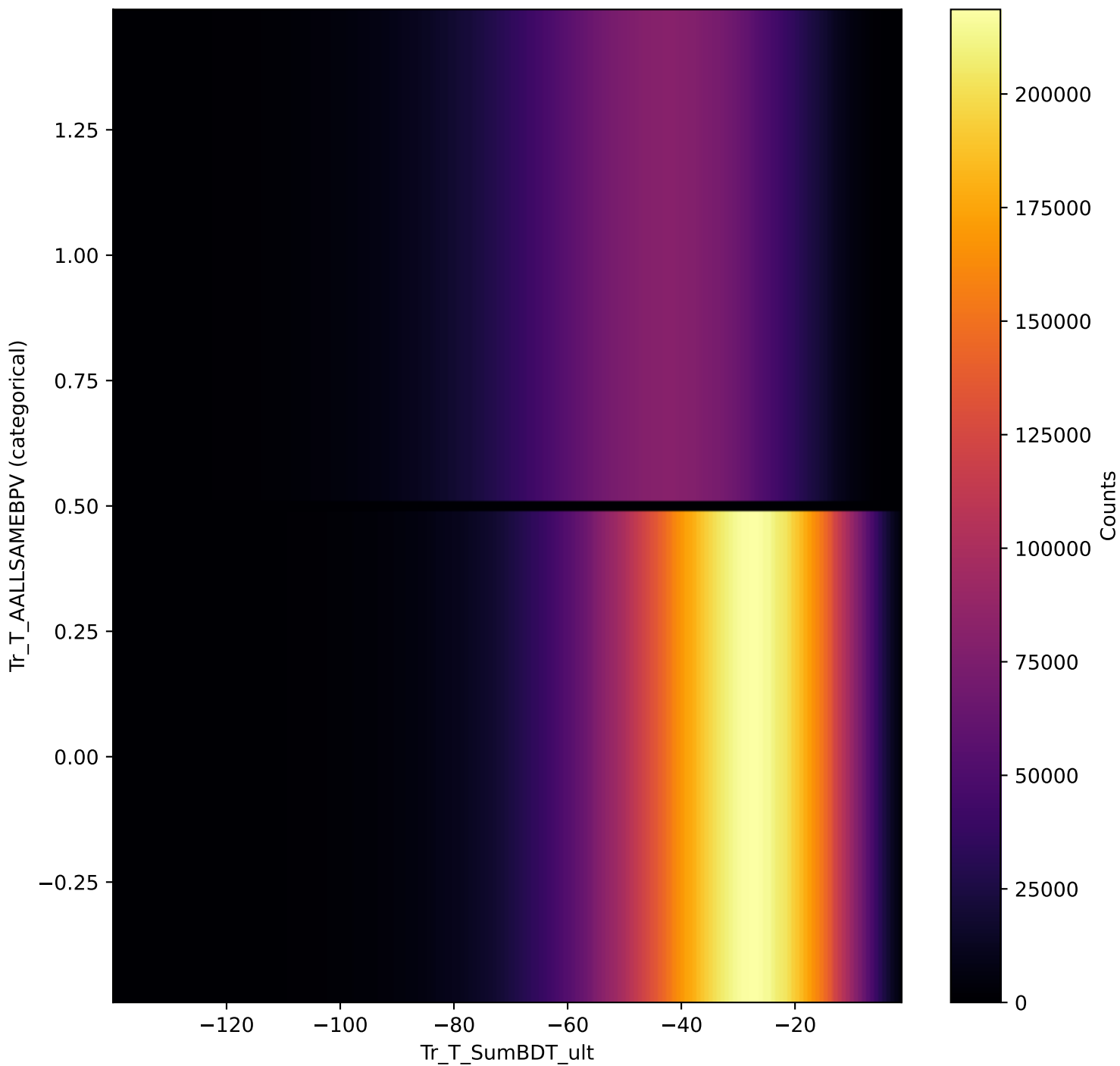
Hist2d Plot ('Tr\_T\_SumBDT\_ult' vs 'Tr\_T\_SumMinBDT\_ult')  
correlation: -0.34548



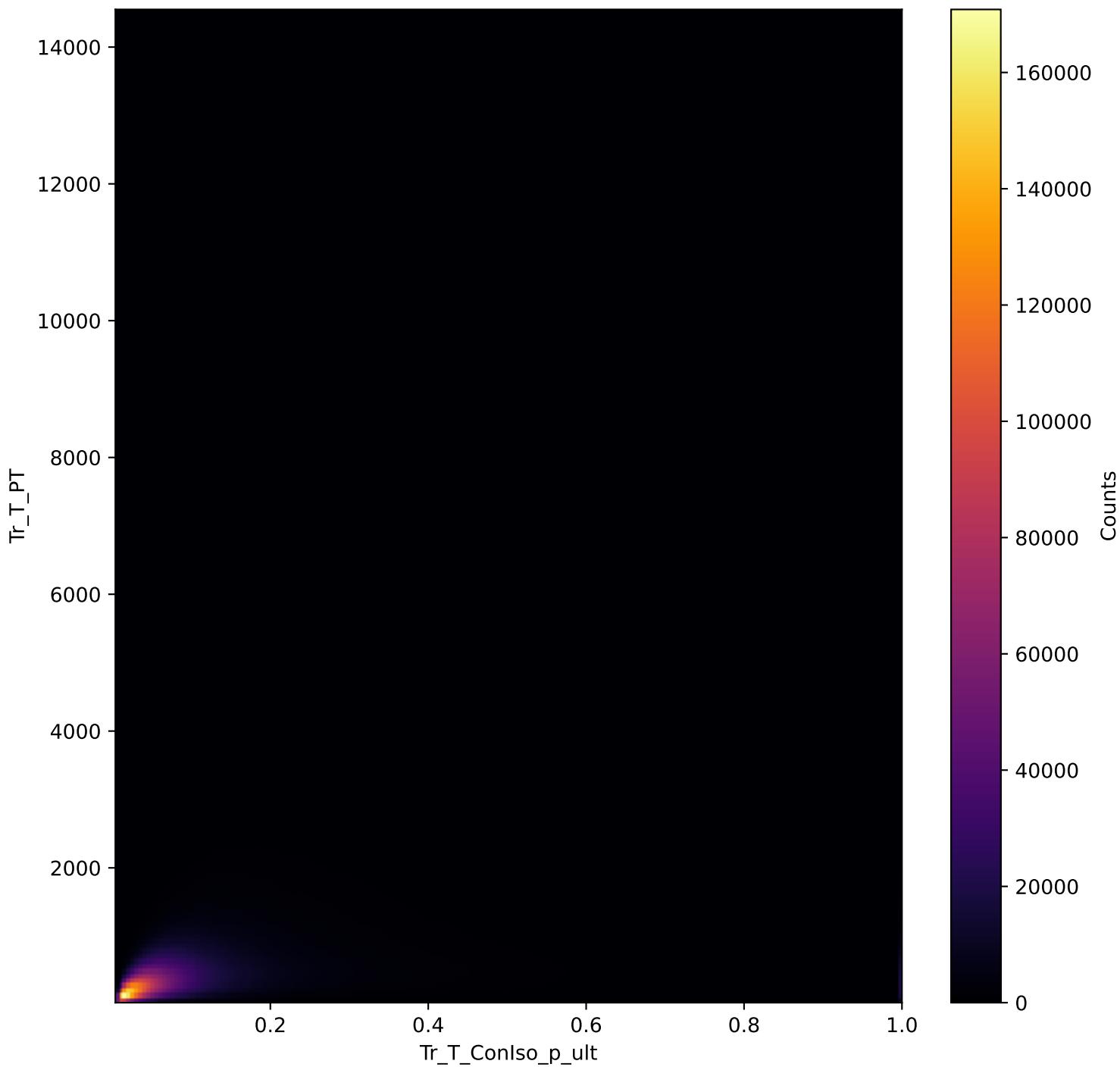
Hist2d Plot ('Tr\_diff\_z' vs 'Tr\_T\_P')  
correlation: 0.34332



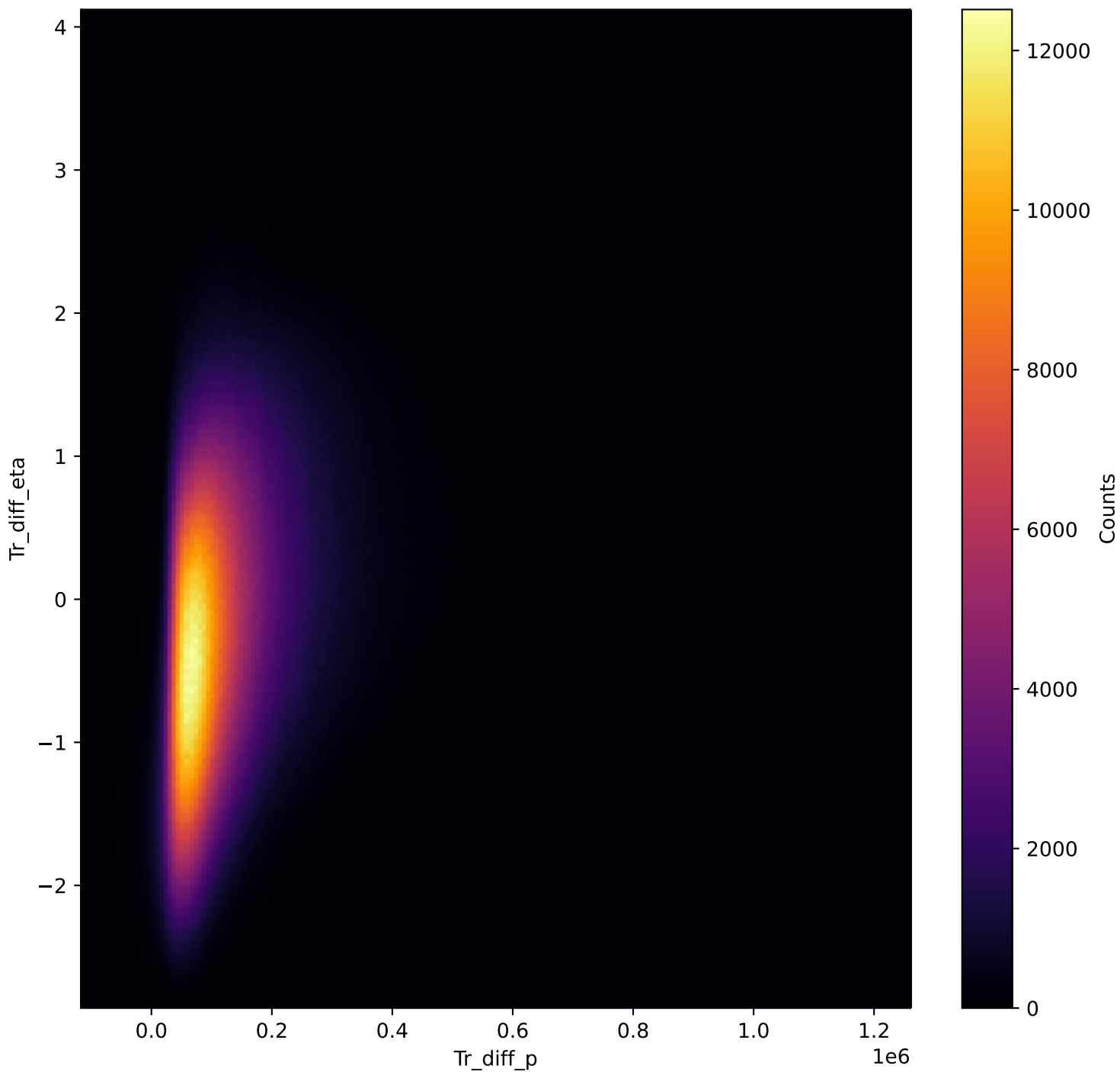
Hist2d Plot ('Tr\_T\_SumBDT\_ult' vs 'Tr\_T\_AALLSAMEBPV')  
correlation: -0.34115



Hist2d Plot ('Tr\_T\_ConIso\_p\_ult' vs 'Tr\_T\_PT')  
correlation: 0.33643

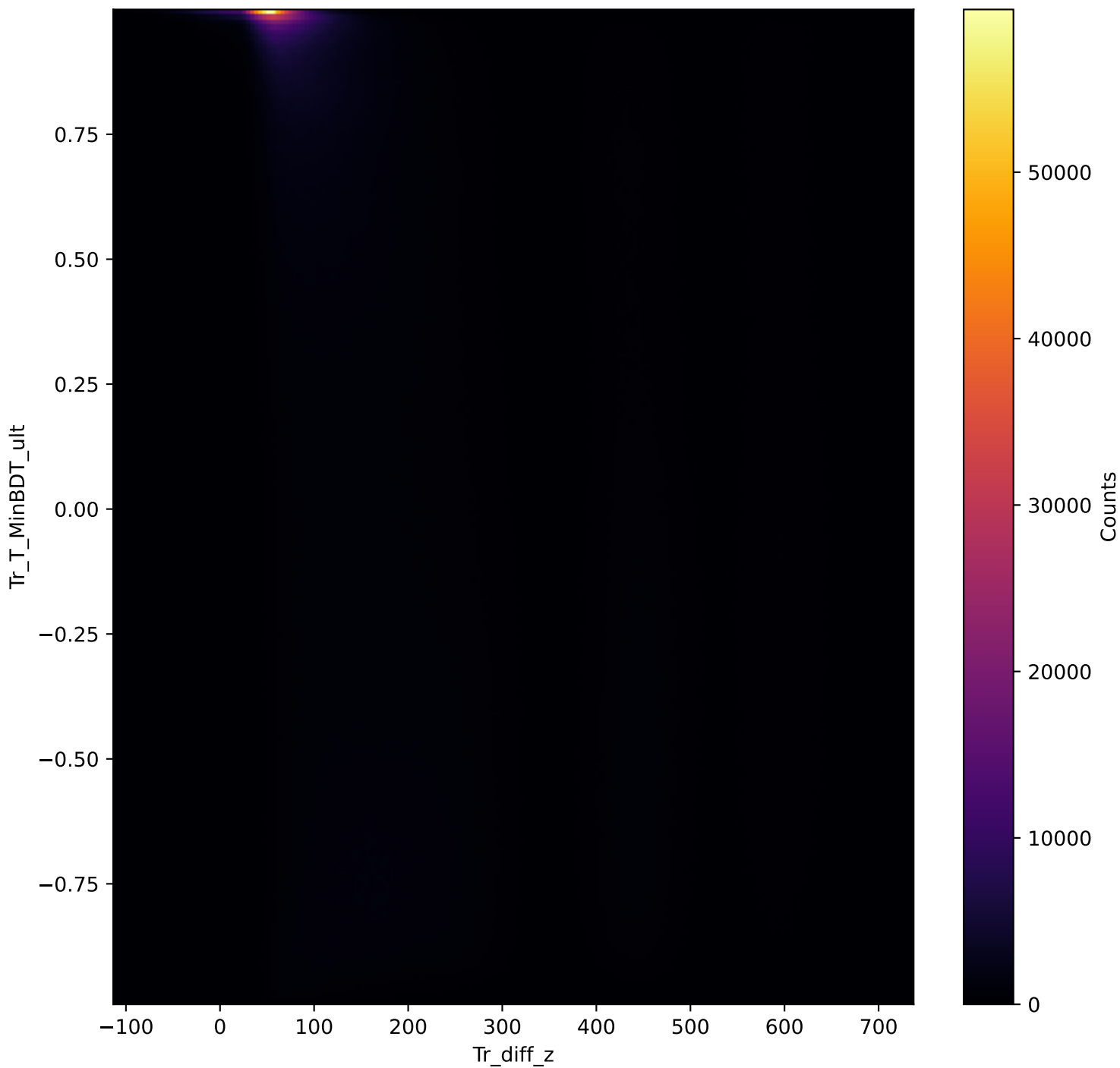


Hist2d Plot ('Tr\_diff\_p' vs 'Tr\_diff\_eta')  
correlation: 0.32782

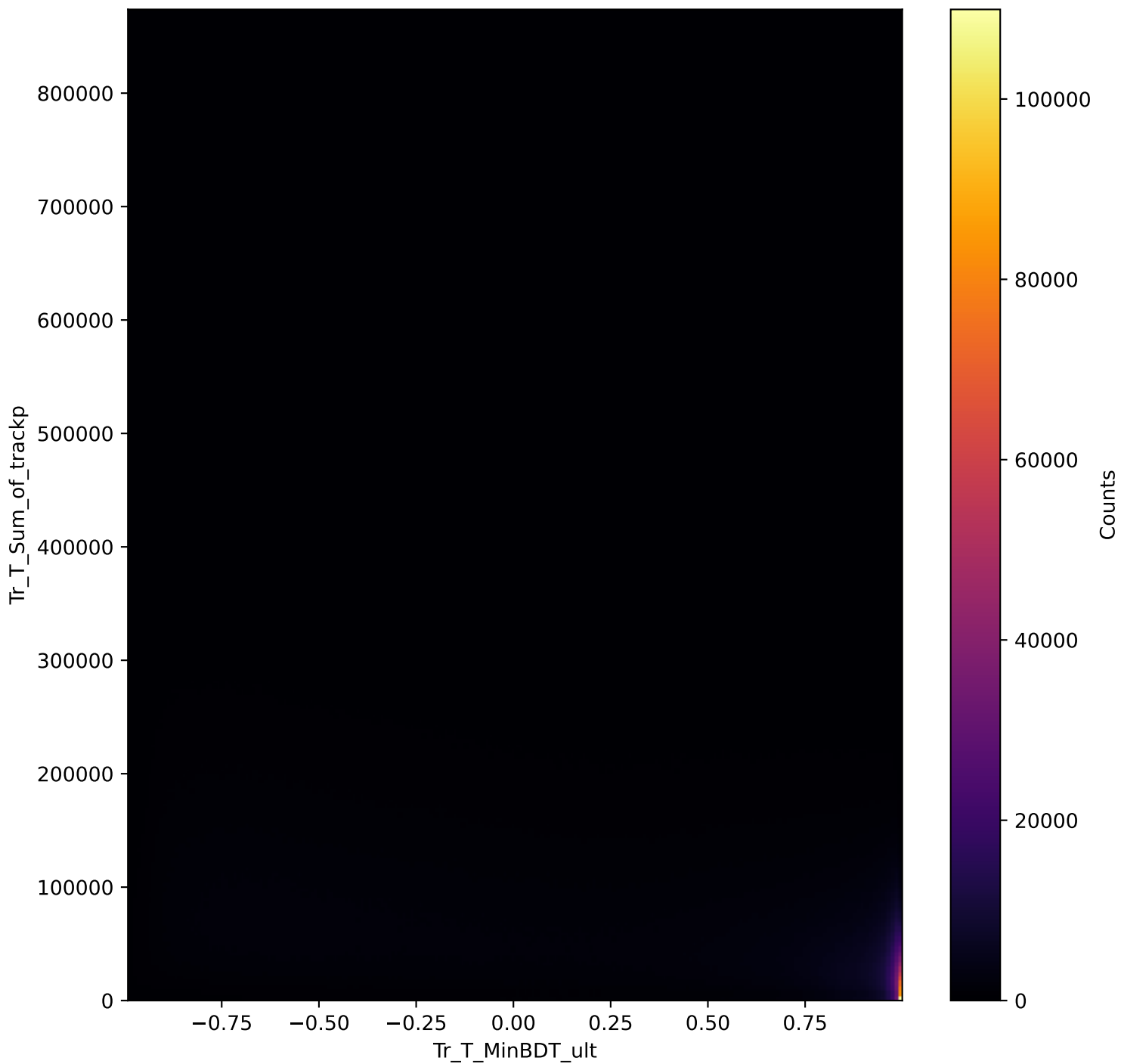


Hist2d Plot ('Tr\_diff\_z' vs 'Tr\_T\_MinBDT\_ult')

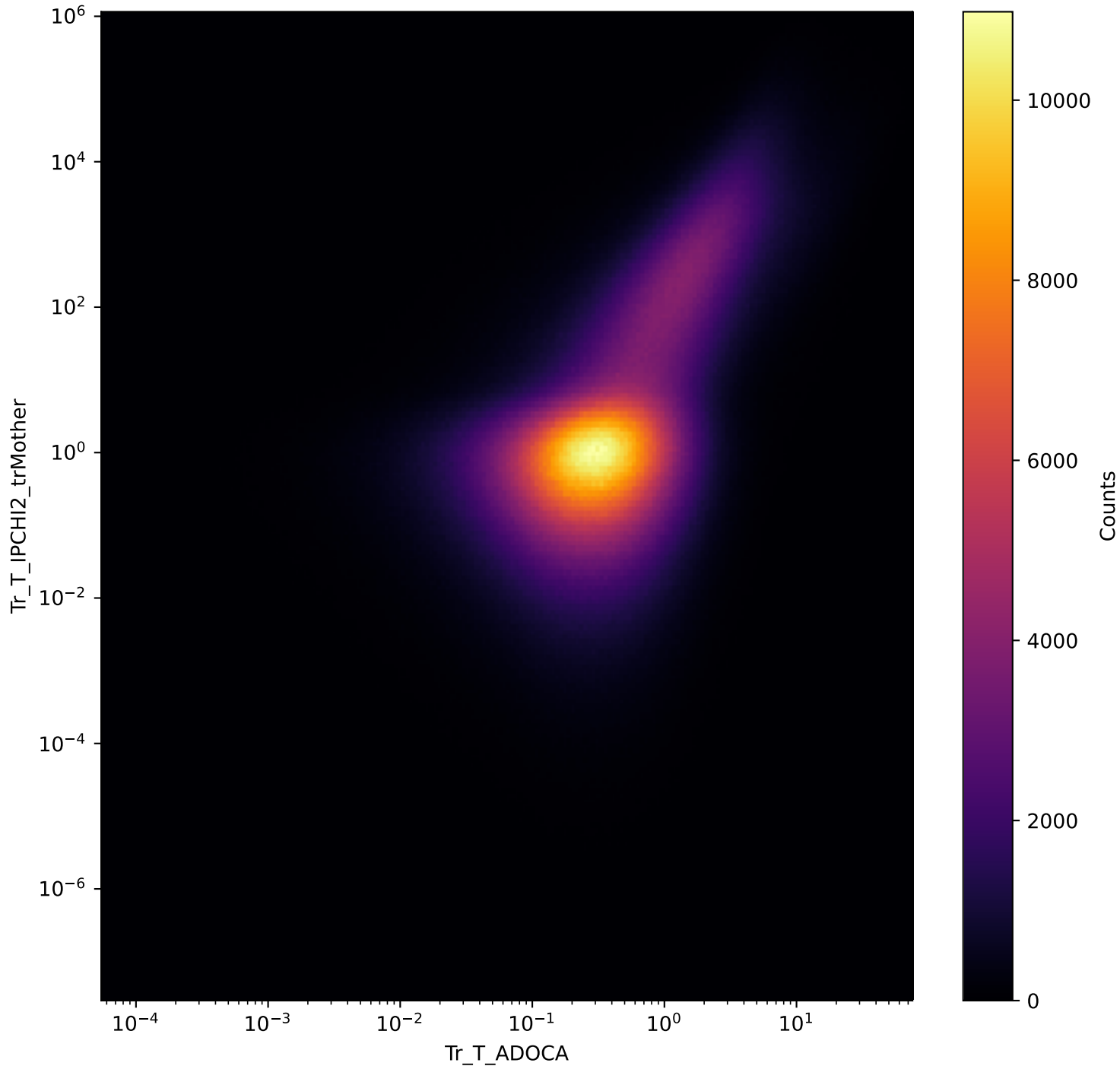
correlation: -0.32114



Hist2d Plot ('Tr\_T\_MinBDT\_ult' vs 'Tr\_T\_Sum\_of\_trackp')  
correlation: -0.31586

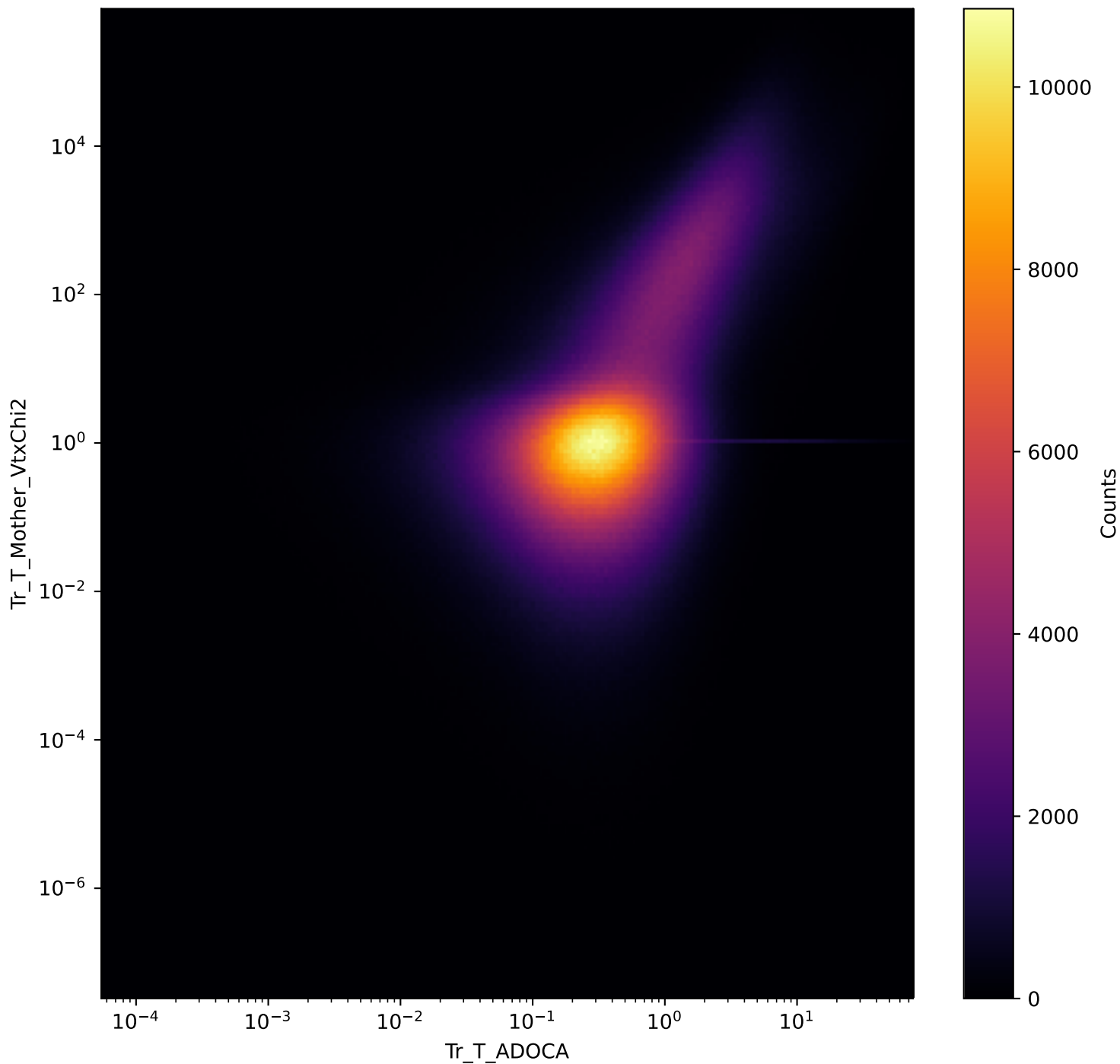


Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_IPCHI2\_trMother')  
correlation: 0.31199

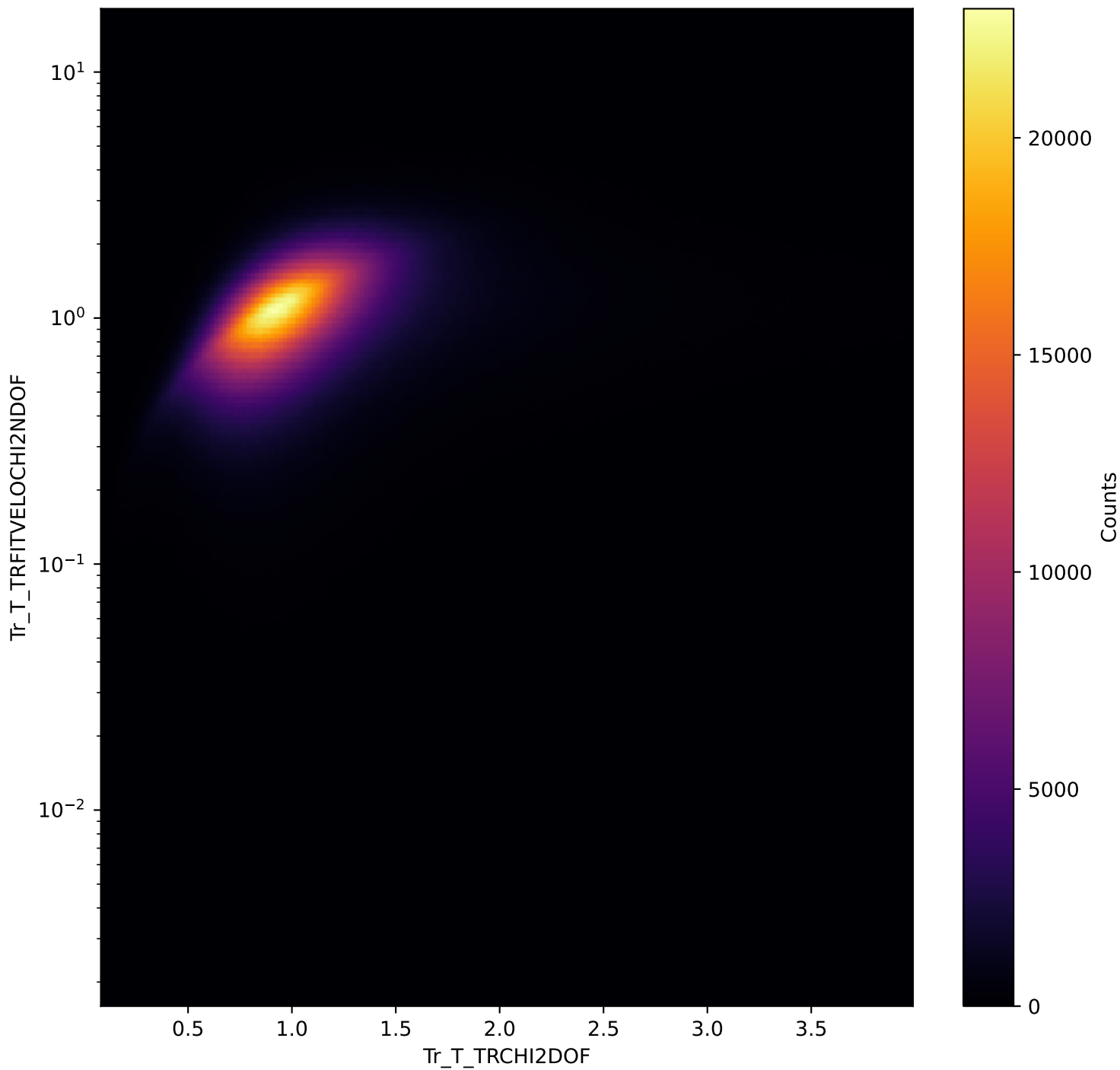




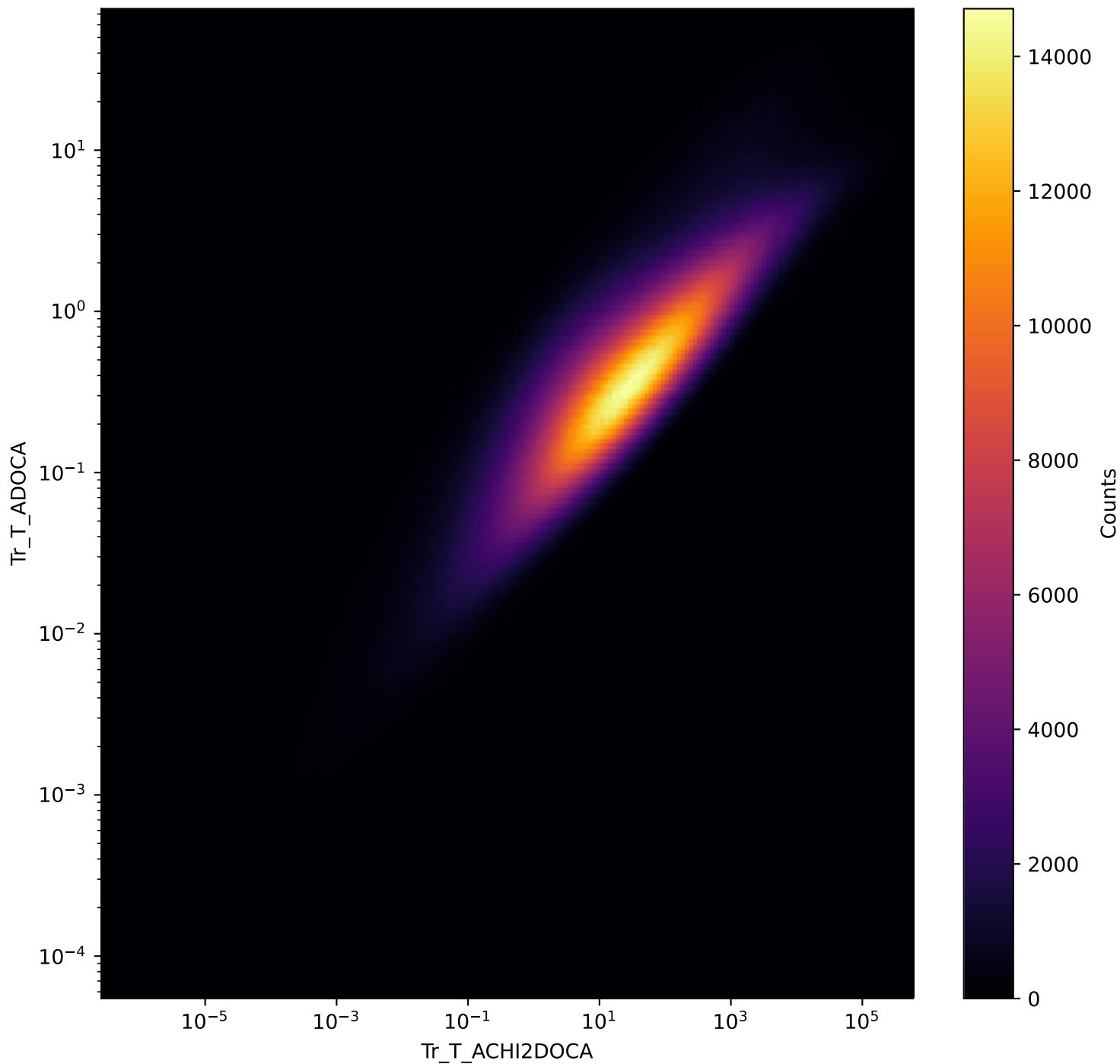
Hist2d Plot ('Tr\_T\_ADOCA' vs 'Tr\_T\_Mother\_VtxChi2')  
correlation: 0.31017



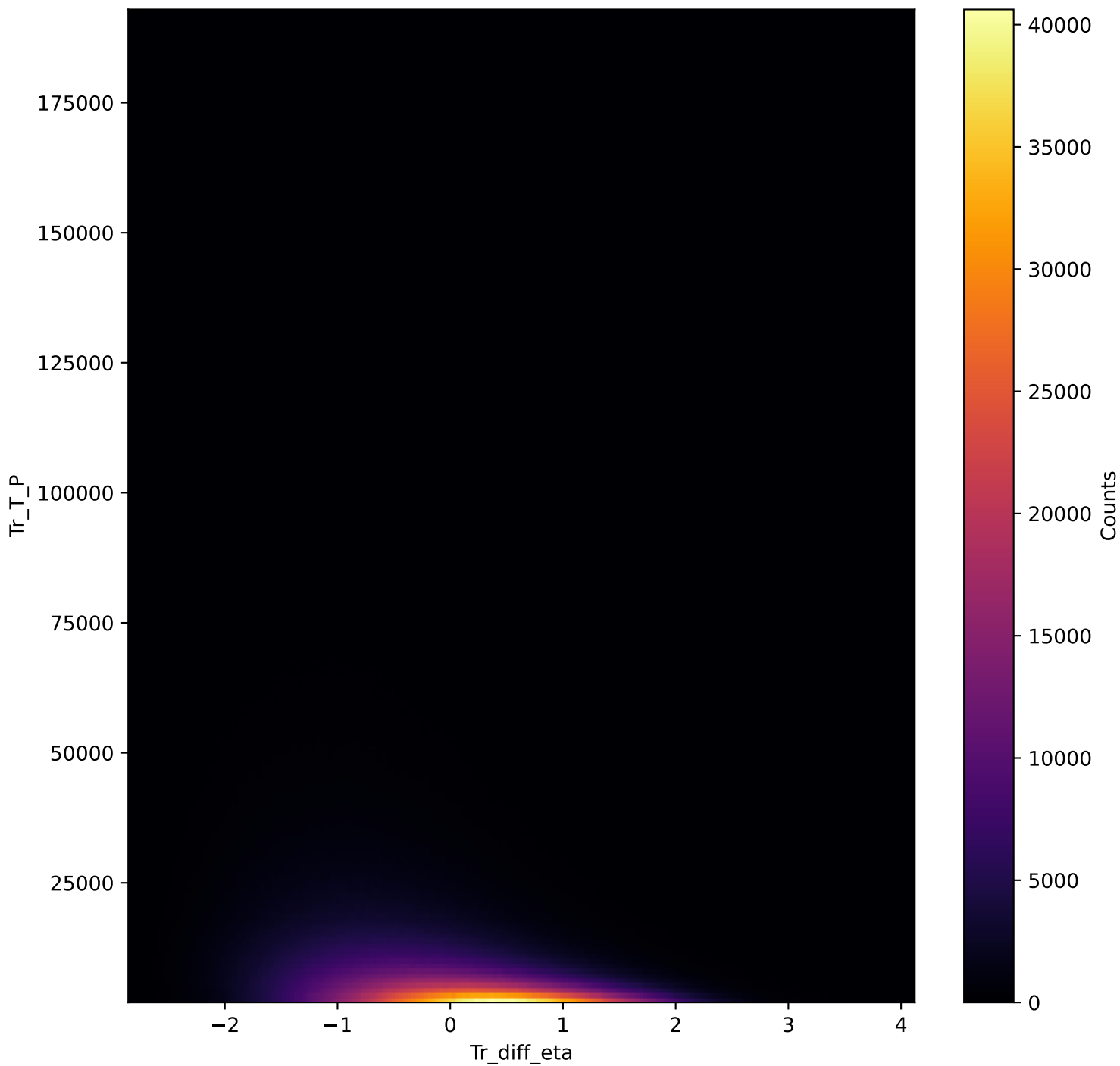
Hist2d Plot ('Tr\_T\_TRCHI2DOF' vs 'Tr\_T\_TRFITVELOCHI2NDOF')  
correlation: 0.30861



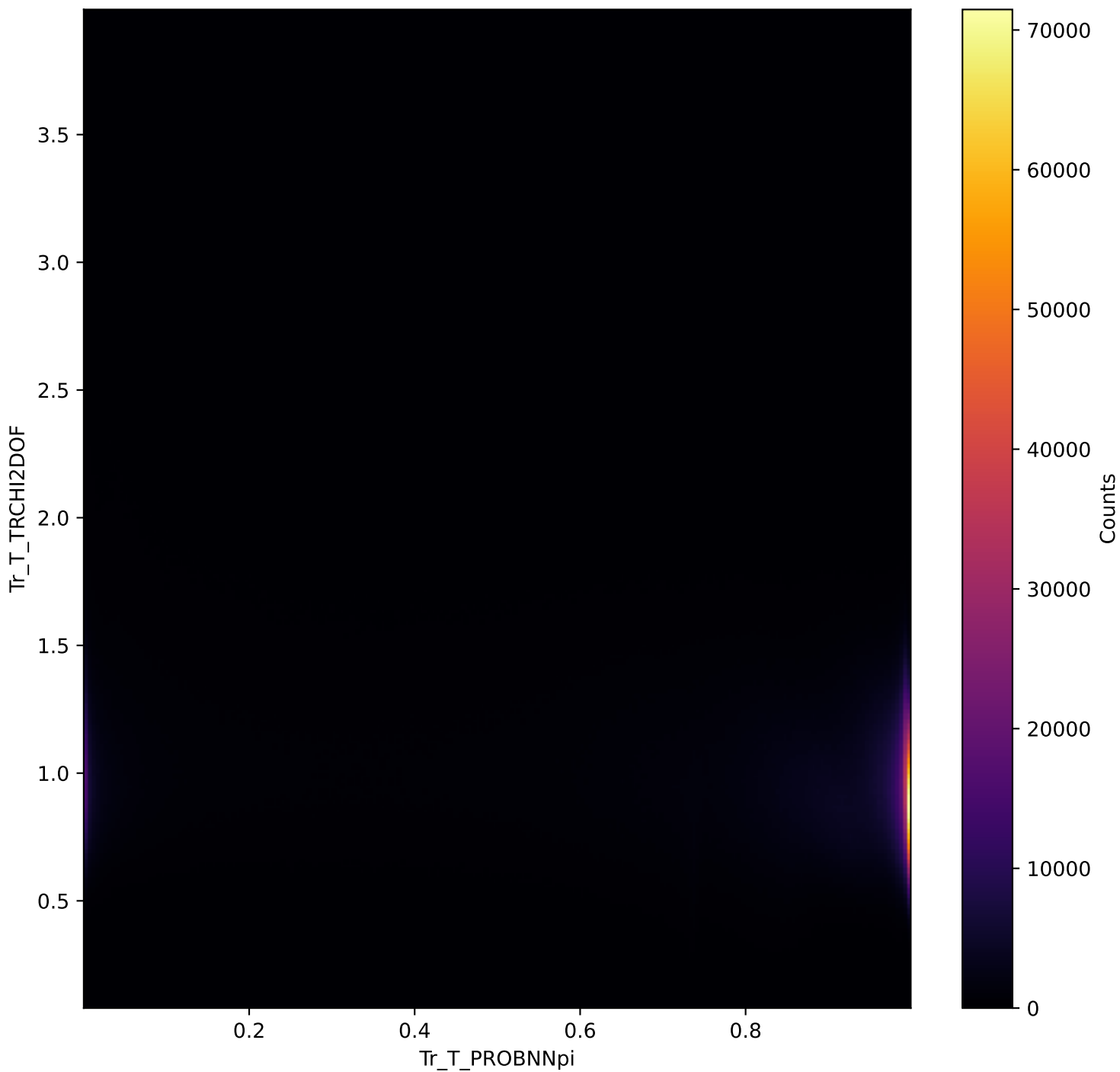
Hist2d Plot ('Tr\_T\_ACHI2DOCA' vs 'Tr\_T\_ADOCA')  
correlation: 0.30846



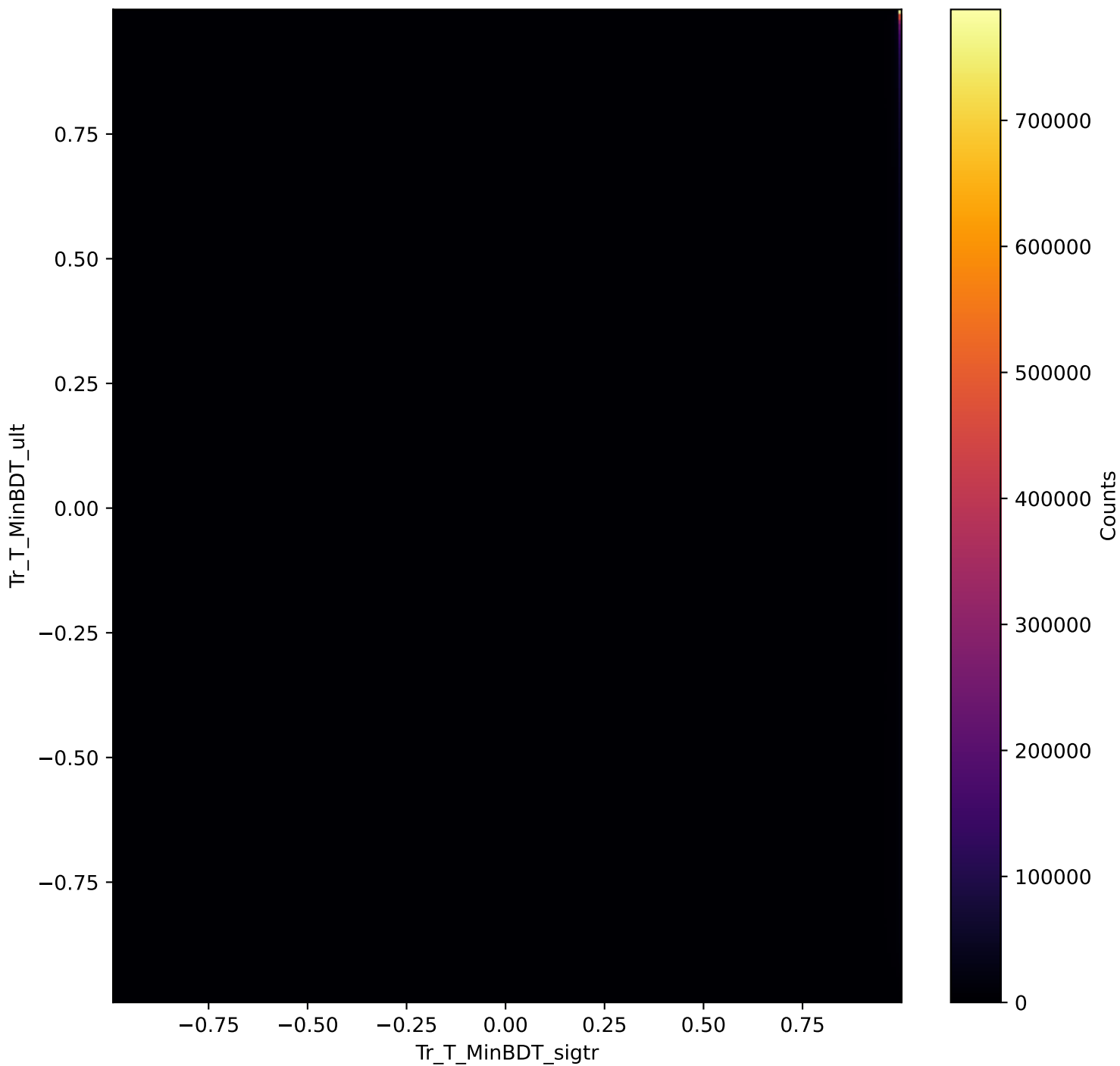
Hist2d Plot ('Tr\_diff\_eta' vs 'Tr\_T\_P')  
correlation: -0.30665



Hist2d Plot ('Tr\_T\_PROBNNpi' vs 'Tr\_T\_TRCHI2DOF')  
correlation: -0.30515



Hist2d Plot ('Tr\_T\_MinBDT\_sigtr' vs 'Tr\_T\_MinBDT\_ult')  
correlation: 0.30151



Hist2d Plot ('Tr\_T\_MinBDT\_sigtr' vs 'Tr\_T\_SumMinBDT\_ult')  
correlation: 0.30001

