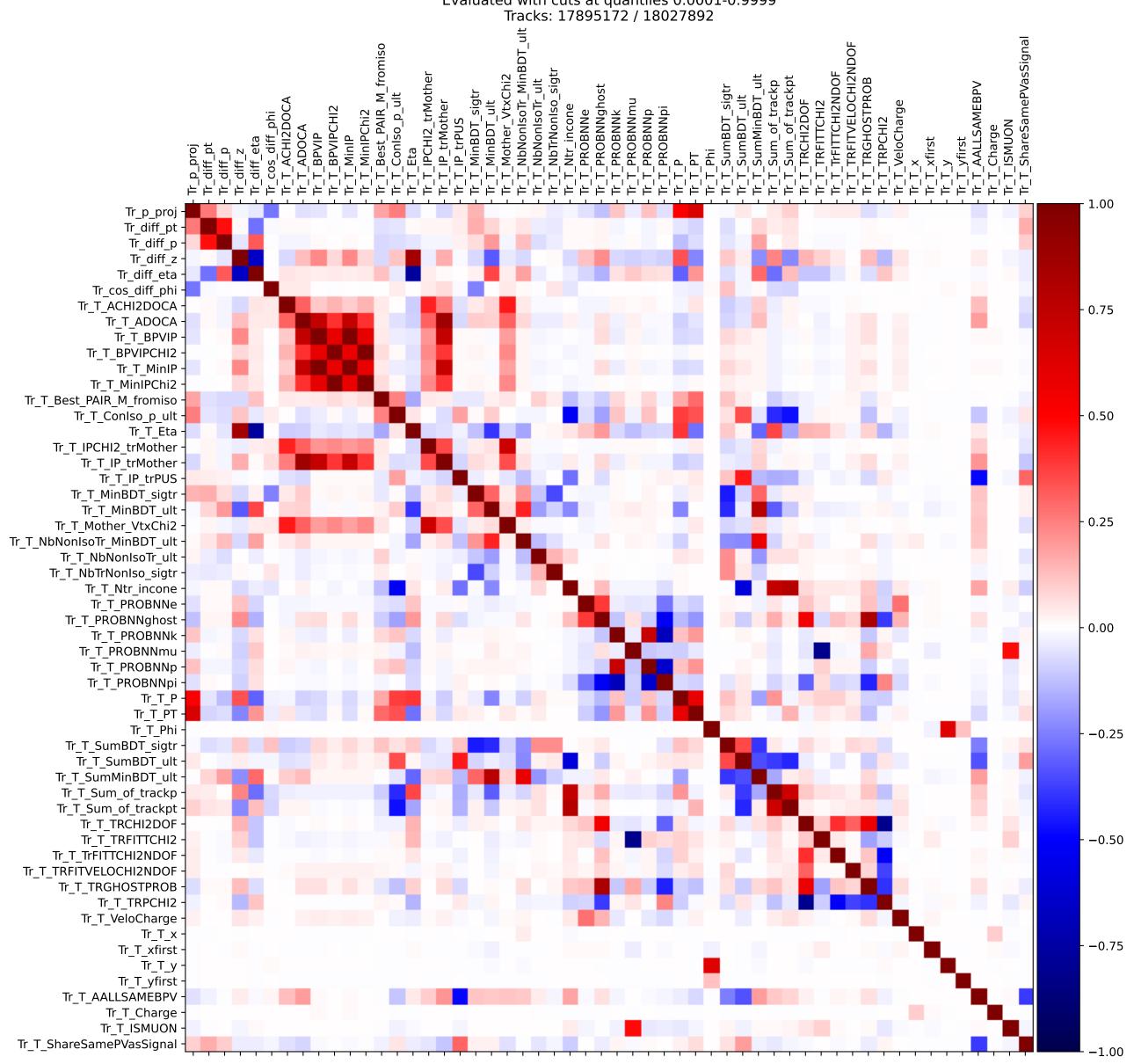
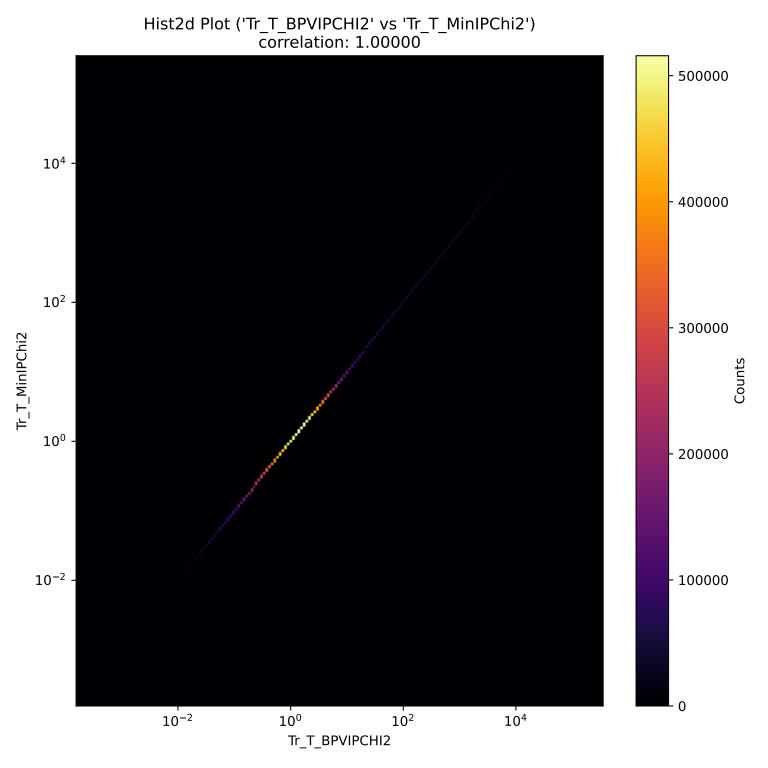
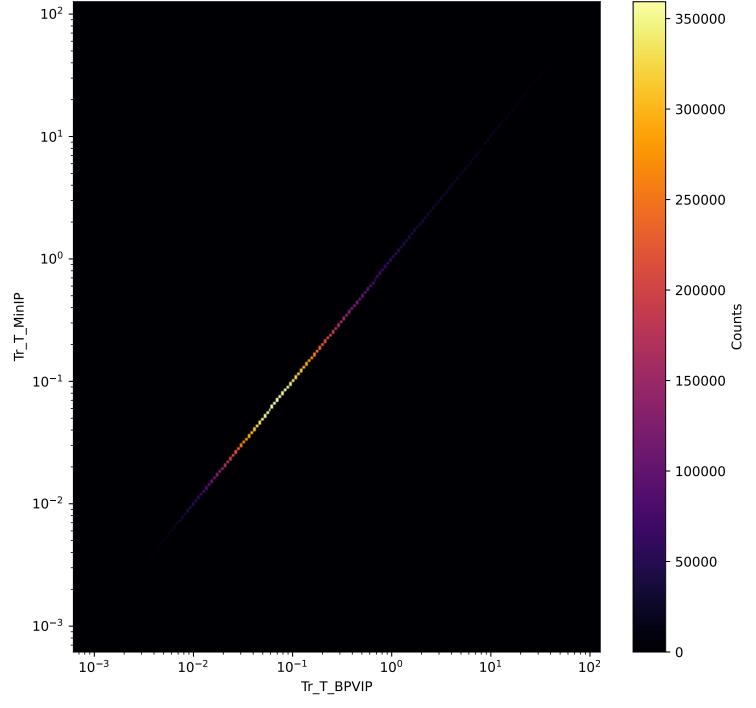
Feature Correlation
Evaluated with cuts at quantiles 0.0001-0.9999
Tracks: 17895172 / 18027892





Hist2d Plot ('Tr_T_BPVIP' vs 'Tr_T_MinIP') correlation: 0.99811



 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_ADOCA' vs 'Tr_T_IP_trMother')} \\ \mbox{correlation: } 0.87118 \end{array}$ 16000 10^1 14000 10⁰ 12000 - 10000 Tr_T_P_trMother 10-1 -8000 - 6000 10⁻³ · - 4000 10^{-4} -- 2000 10⁻³ 10-2 10^{-4} 10^{-1} 10⁰ 10^1 Tr_T_ADOCA

Hist2d Plot ('Tr_diff_z' vs 'Tr_T_Eta') correlation: 0.84483 5.0 -12000 4.5 10000 4.0 -8000 Tr_T_Eta E G 6000 3.0 -4000 2.5 -- 2000 2.0 -100 -100 200 300 600 0 400 500 700

 Tr_diff_z

Hist2d Plot ('Tr_T_PROBNNghost' vs 'Tr_T_TRGHOSTPROB') correlation: 0.82479 80000 0.30 -- 70000 60000 0.20 -50000 40000 30000 0.10 -20000 - 10000

10⁻³ 10^{-2} 10^{-1} 10^{-4} Tr_T_PROBNNghost

0.25 -

Tr_T_TRGHOSTPROB 0.12 -

0.05 -

Hist2d Plot ('Tr_T_PROBNNmu' vs 'Tr_T_TRFITTCHI2') correlation: -0.82087 - 800 60 -- 700 50 -- 600 40 -- 500 Tr_T_TRFITTCHI2 - 004 Counts 30 -- 300 20 -- 200 10 -- 100 10⁻³ 10-2 10-6 10-5 10^{-4} 10^{-1}

Tr_T_PROBNNmu

 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_TRCHI2DOF' vs 'Tr_T_TRPCHI2')} \\ \mbox{correlation: } -0.80710 \end{array}$ 400000 10-2 -- 350000 10-4 - 300000 - 250000 10^{-6} -Tr_T_TRPCHI2 - 200000 10-8 150000 10-10 -100000 10^{-12} 50000 0.5 3.0 1.0 1.5 2.0 2.5 3.5 Tr_T_TRCHI2DOF

Hist2d Plot ('Tr_T_Ntr_incone' vs 'Tr_T_Sum_of_trackpt') correlation: 0.78326 50000 -200000 175000 40000 -- 150000 30000 -- 125000 - 100000 20000 -- 75000 - 50000 10000 -- 25000 5 10 15 20 25 35 40

30

Tr_T_Ntr_incone (only integers)

Tr_T_Sum_of_trackpt

Hist2d Plot ('Tr_diff_eta' vs 'Tr_T_Eta') correlation: -0.77958 5.0 -2500 4.5 -- 2000 4.0 -Tr_T_Eta - 5.8 - 1500 s 3.0 -1000 2.5 -- 500 2.0 -2 3 <u>-</u>2 -1 0 Tr_diff_eta

Hist2d Plot ('Tr_T_MinBDT_ult' vs 'Tr_T_SumMinBDT_ult') correlation: 0.77708 25000 100 -20000 50 -Tr_T_SumMinBDT_ult - 15000 -Counts 0 -- 10000 -50 -- 5000 -100 --0.75-0.50 -0.25 0.75 0.00 0.25 0.50 Tr_T_MinBDT_ult

Hist2d Plot ('Tr_T_ADOCA' vs 'Tr_T_BPVIP') correlation: 0.72840 10² -7000 10¹ -- 6000 - 5000 10⁰ -Tr_T_BPVIP - 4000 Counts 10^{-1} 3000 2000 10^{-2} -- 1000 $10^{-3} -$ 10-2 10-3 10^{-4} 10^{-1} 10⁰ 10^{1} Tr_T_ADOCA

Hist2d Plot ('Tr_T_ADOCA' vs 'Tr_T_MinIP') correlation: 0.72835 10² $\frac{1}{4}$ 7000 10^{1} -6000 5000 10⁰ -Tr_T_MinIP - 4000 Connts 10^{-1} - 3000 2000 10^{-2} -- 1000 $10^{-3} -$ 10-2 10⁻³ 10^{-4} 10^{-1} 10⁰ 10^{1}

Tr_T_ADOCA

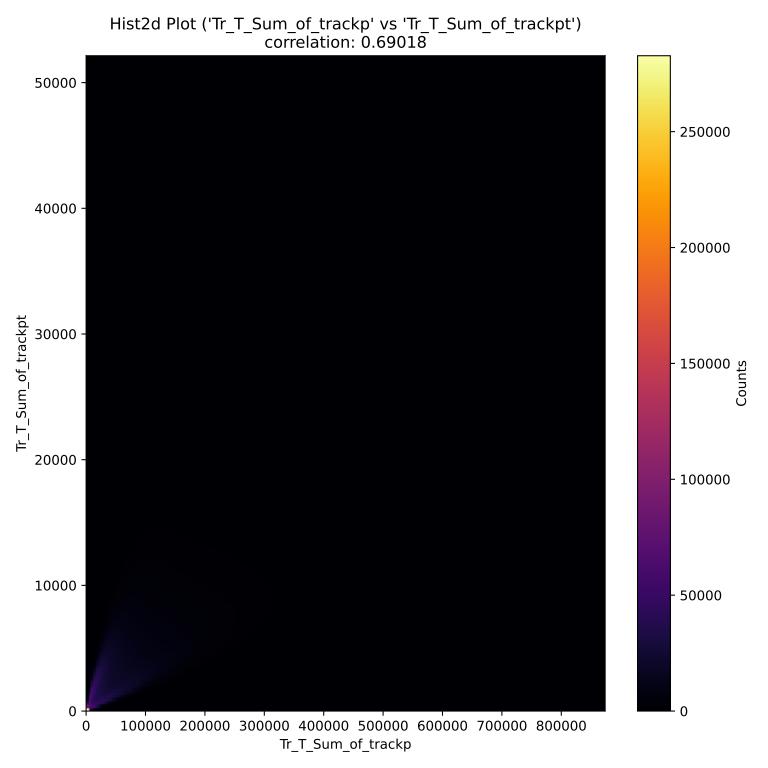
Hist2d Plot ('Tr_T_Ntr_incone' vs 'Tr_T_Sum_of_trackp') correlation: 0.72802 800000 -200000 700000 -- 175000 600000 -- 150000 Tr_T_Sum_of_trackp 500000 -- 125000 400000 -- 100000 300000 -- 75000 200000 -- 50000 100000 -- 25000 0 -5 10 20 25 30 35 15 40 Tr_T_Ntr_incone (only integers)

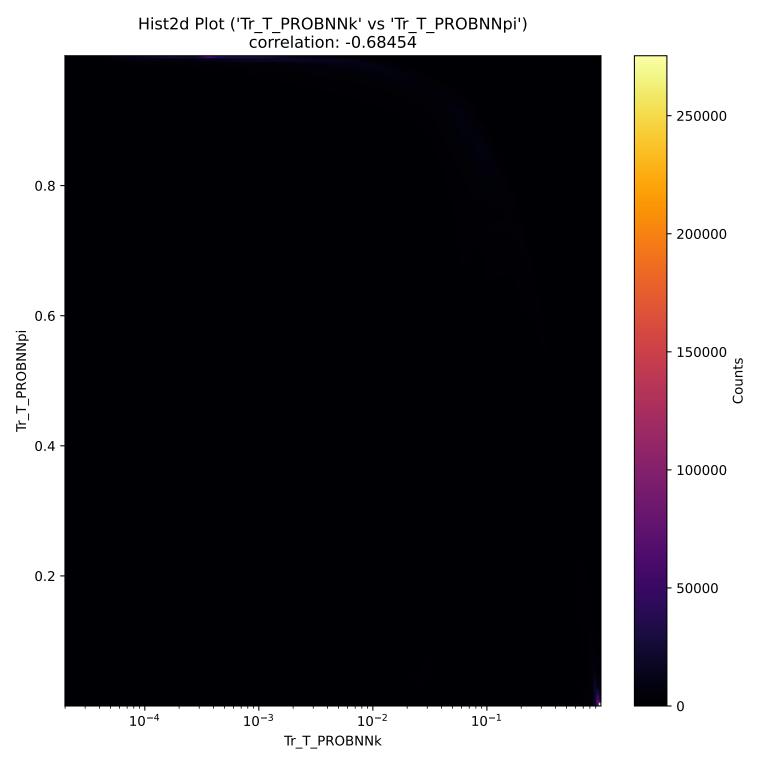
Hist2d Plot ('Tr_T_BPVIP' vs 'Tr_T_IP_trMother') correlation: 0.72587 10^{1} 20000 10⁰ · - 15000 Tr T P trMother 10-2 10-1 - 10000 10-3 5000 10^{-4} -10⁻³ 10-2 10^{-1} 10⁰ 10¹ 10² Tr_T_BPVIP

Hist2d Plot ('Tr_T_MinIP' vs 'Tr_T_IP_trMother') correlation: 0.72539 10^{1} 20000 10⁰ · 15000 Tr T P trMother 10-2 10-1 10000 10-3 5000 10^{-4} = 10⁻³ 10⁻¹ 10-2 10⁰ 10¹ 10² Tr_T_MinIP

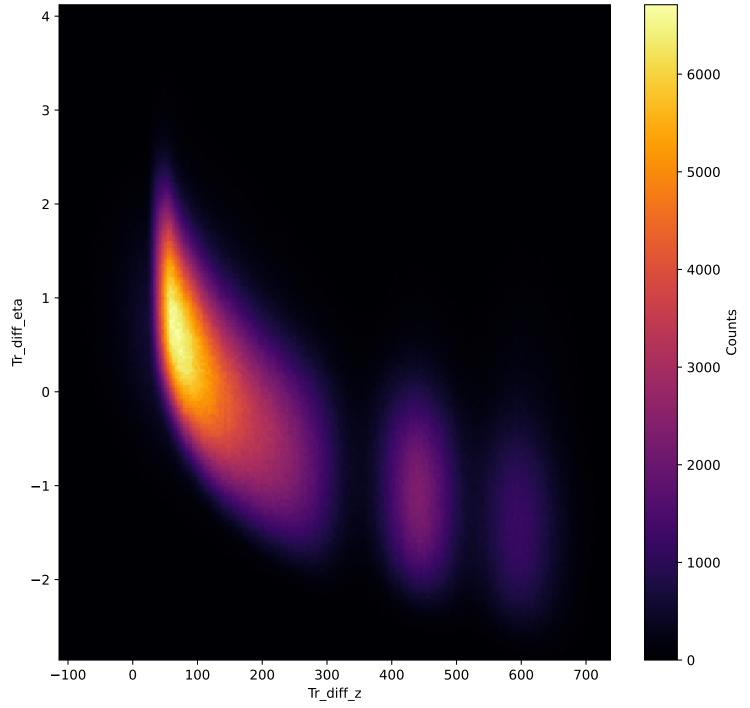
Hist2d Plot ('Tr_T_PROBNNk' vs 'Tr_T_PROBNNp') correlation: 0.71319 100000 10^{-1} -80000 10-2 -Tr_T_PROBNNp 60000 10^{-3} 10^{-4} -40000 10^{-5} 20000 10^{-6} 10-3 10^{-2} 10^{-1} 10^{-4} $Tr_T_PROBNNk$

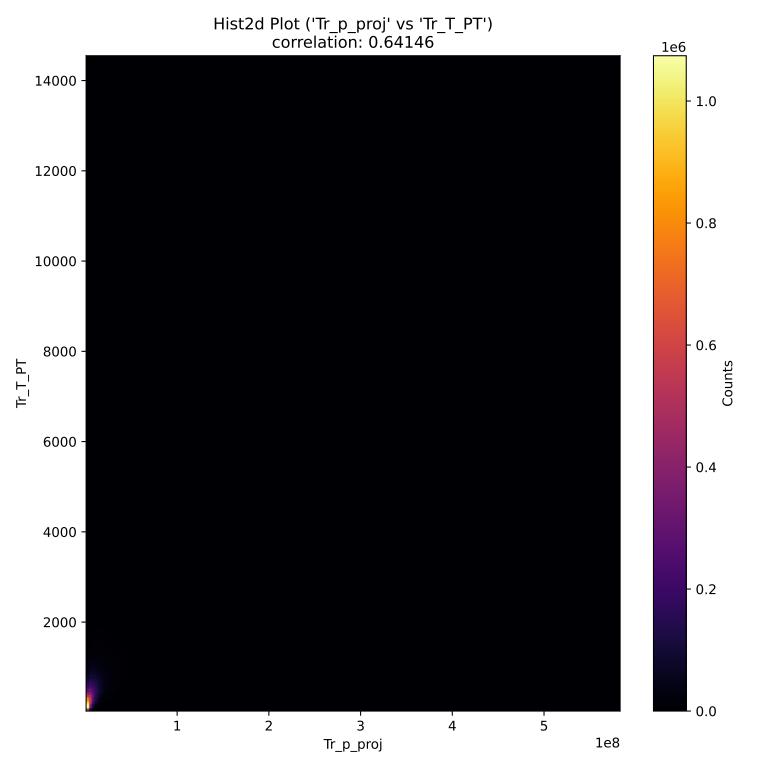
Hist2d Plot ('Tr_T_IPCHI2_trMother' vs 'Tr_T_Mother_VtxChi2') correlation: 0.69296 250000 104 -200000 10^{2} -Tr_Mother_VtxChi2 150000 100000 10^{-4} -- 50000 10^{-6} -10² 10-4 10-2 100 104 10-6 10^{6} $Tr_T_IPCHI2_trMother$



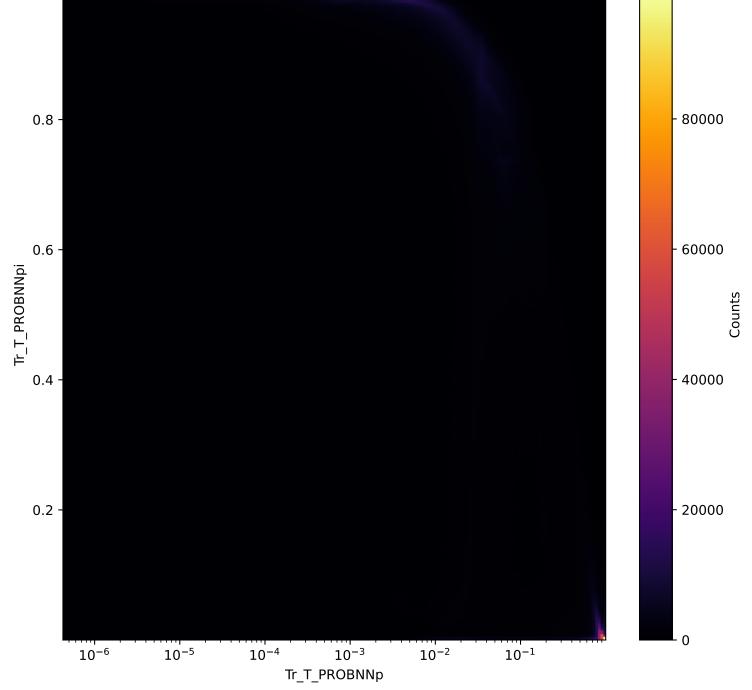


Hist2d Plot ('Tr_diff_z' vs 'Tr_diff_eta') correlation: -0.65793





Hist2d Plot ('Tr_T_PROBNNp' vs 'Tr_T_PROBNNpi') correlation: -0.63348



Hist2d Plot ('Tr_T_Phi' vs 'Tr_T_y') correlation: 0.61765 600 -40000 - 35000 400 -- 30000 200 -- 25000 - 20000 -Counts 0 --200 -- 15000 10000 -400 -- 5000 -600 -_ _2 -3 -10 2 1 3

Tr_T_Phi

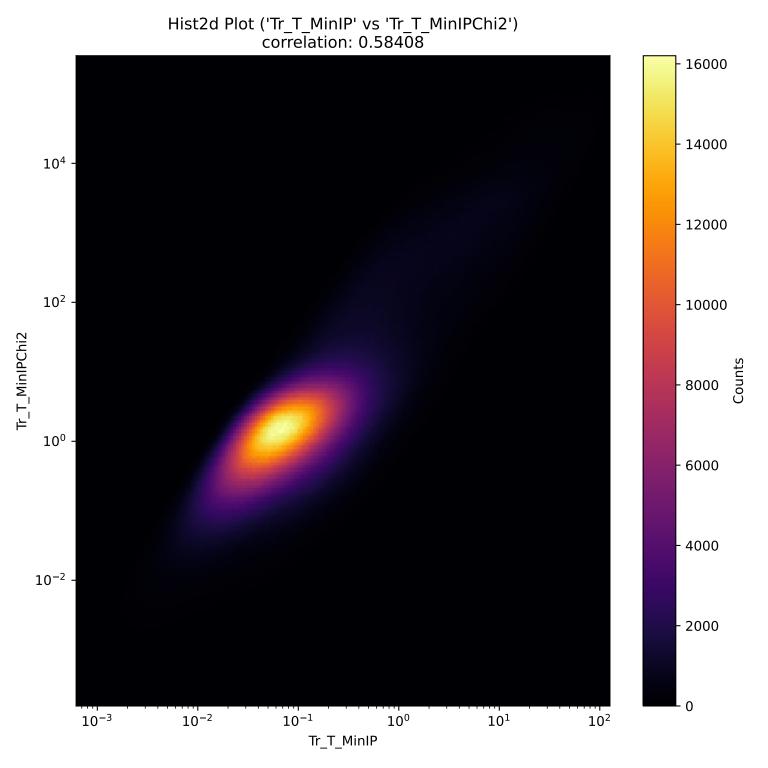
Hist2d Plot ('Tr_T_Ntr_incone' vs 'Tr_T_SumBDT_ult') correlation: -0.60055 30000 **-20** -- 25000 **-**40 -- 20000 Tr_T_SumBDT_ult -60 -- 15000 -Counts -80 -10000 -100 -- 5000 -120 -20 0 5 10 15 25 30 35 40

Tr_T_Ntr_incone (only integers)

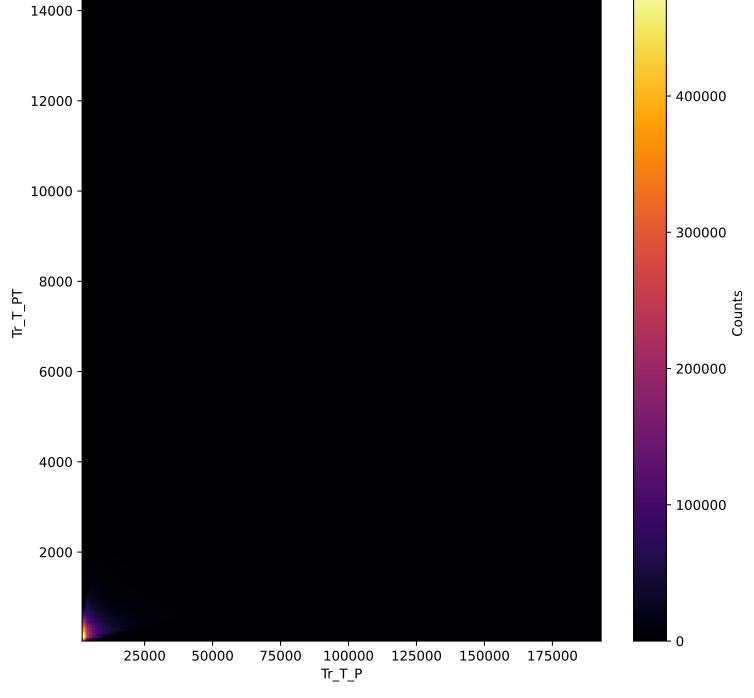
Hist2d Plot ('Tr_T_BPVIP' vs 'Tr_T_BPVIPCHI2') correlation: 0.58601 16000 - 14000 104 ¬ 12000 10² -10000 Tr_T_BPVIPCHI2 8000 10⁰ -6000 4000 10-2 -2000 10-3 10^{-1} 10-2 10⁰ 10¹ 10^{2} Tr_T_BPVIP

Hist2d Plot ('Tr_T_BPVIP' vs 'Tr_T_MinIPChi2') correlation: 0.58601 16000 - 14000 104 ¬ 12000 10² -10000 Tr_T_MinIPChi2 8000 10⁰ -6000 4000 10-2 -2000 10⁻³ 10^{-1} 10-2 10⁰ 10¹ 10^{2} Tr_T_BPVIP

Hist2d Plot ('Tr_T_BPVIPCHI2' vs 'Tr_T_MinIP') correlation: 0.58408 16000 10² -14000 10^{1} -- 12000 - 10000 10⁰ -Tr_T_MinIP 8000 10^{-1} 6000 4000 10^{-2} - 2000 10^{-3} -104 10² 10-2 100 Tr_T_BPVIPCHI2



Hist2d Plot ('Tr_T_P' vs 'Tr_T_PT') correlation: 0.58058

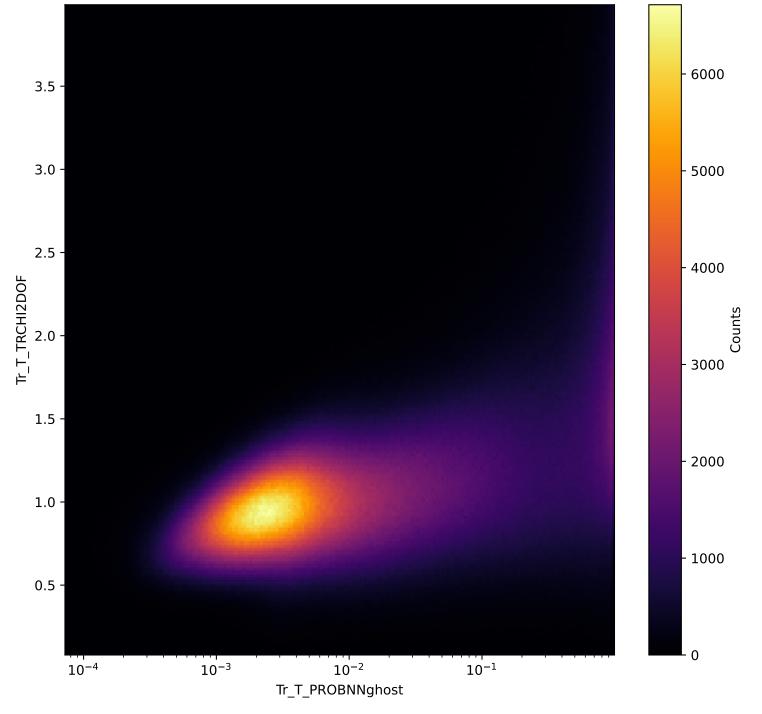


Hist2d Plot ('Tr_T_NbNonIsoTr_MinBDT_ult' vs 'Tr_T_SumMinBDT_ult') correlation: 0.57290 80000 100 -- 70000 60000 50 -Tr_T_SumMinBDT_ult - 50000 40000 0 -30000 20000 **-**50 -- 10000 -100 -2 0 6 12 10 $Tr_T_NbNonIsoTr_MinBDT_ult \ (only \ integers)$

Hist2d Plot ('Tr_T_TRCHI2DOF' vs 'Tr_T_TRGHOSTPROB') correlation: 0.56801 140000 0.30 -- 120000 0.25 -100000 Tr_TRGHOSTPROB 0.10 -80000 - 60000 0.10 -- 40000 0.05 -- 20000 0.5 1.0 2.0 3.0 3.5 1.5 2.5

Tr_T_TRCHI2DOF

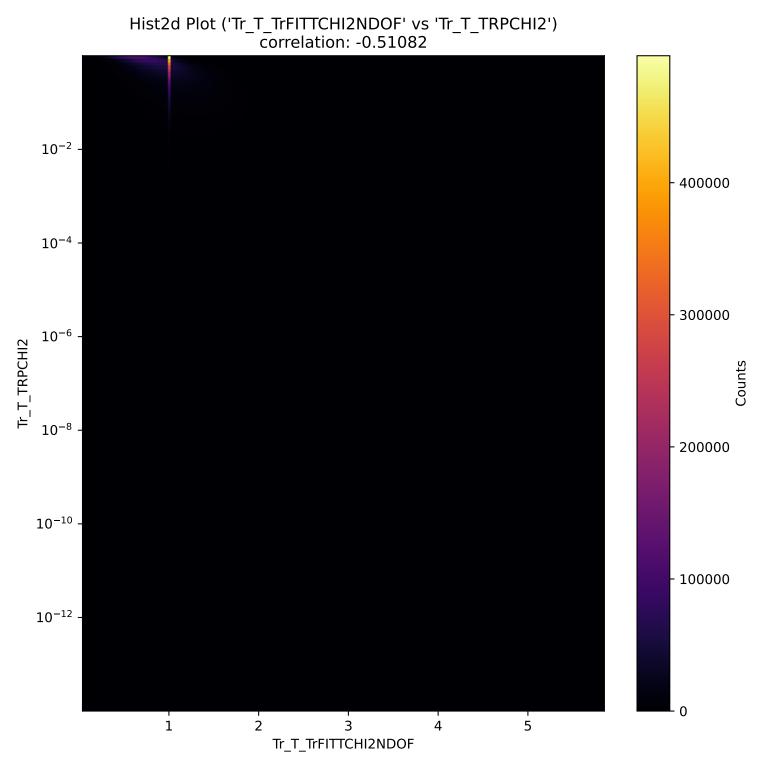
Hist2d Plot ('Tr_T_PROBNNghost' vs 'Tr_T_TRCHI2DOF') correlation: 0.54012

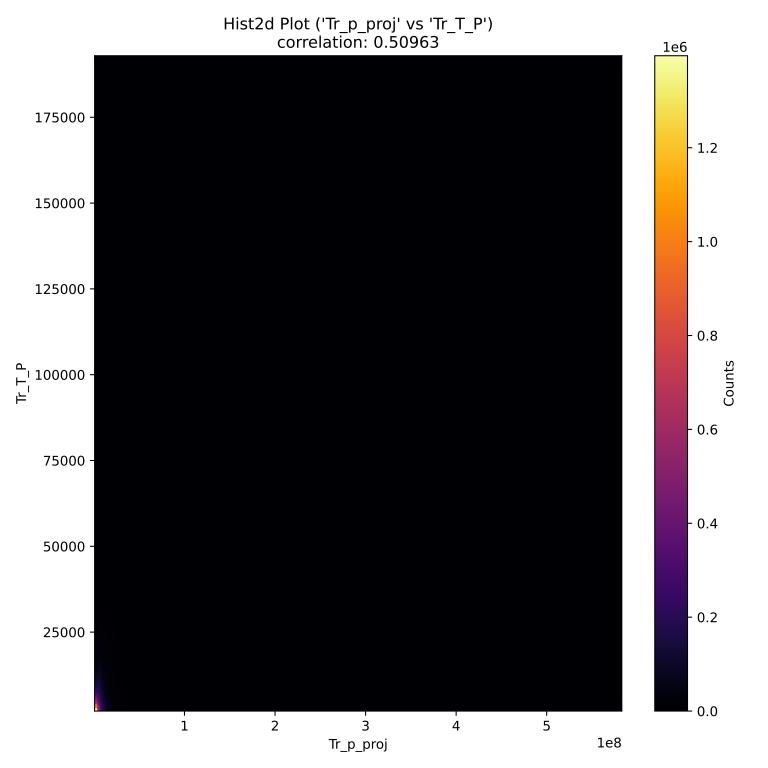


Hist2d Plot ('Tr_T_PROBNNghost' vs 'Tr_T_PROBNNpi') correlation: -0.52628 0.8 -40000 0.6 -30000 - 20000 0.4 -0.2 -10000 10-4 10-2 10^{-1} 10⁻³ $Tr_T_PROBNNghost$

Tr_T_PROBNNpi

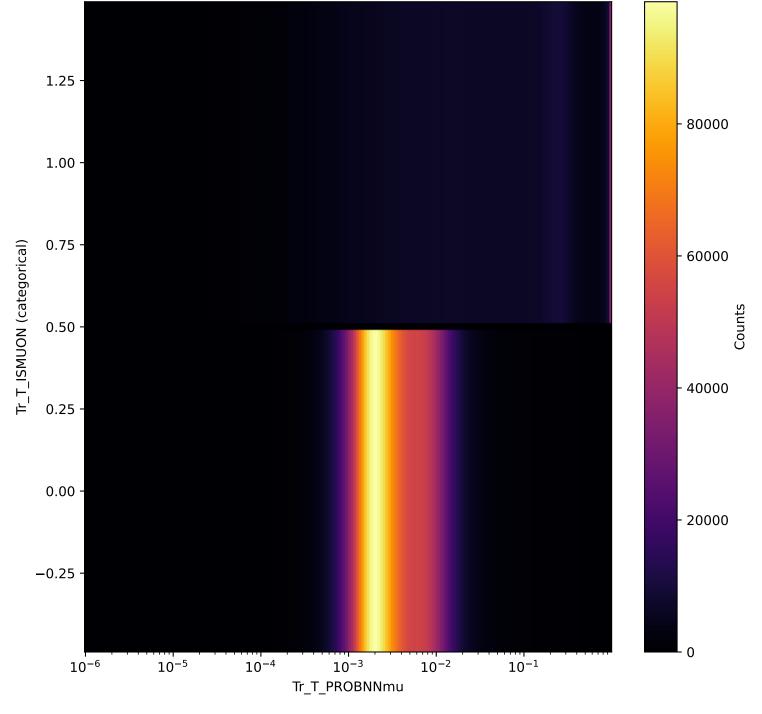
Hist2d Plot ('Tr_T_Conlso_p_ult' vs 'Tr_T_Ntr_incone') correlation: -0.52484 40 -200000 35 -- 175000 30 -- 150000 Tr_T_Ntr_incone (only integers) 25 -- 125000 20 -- 100000 15 -- 75000 10 -- 50000 5 -- 25000 0 0.2 0.4 0.8 0.6 1.0 Tr_T_ConIso_p_ult



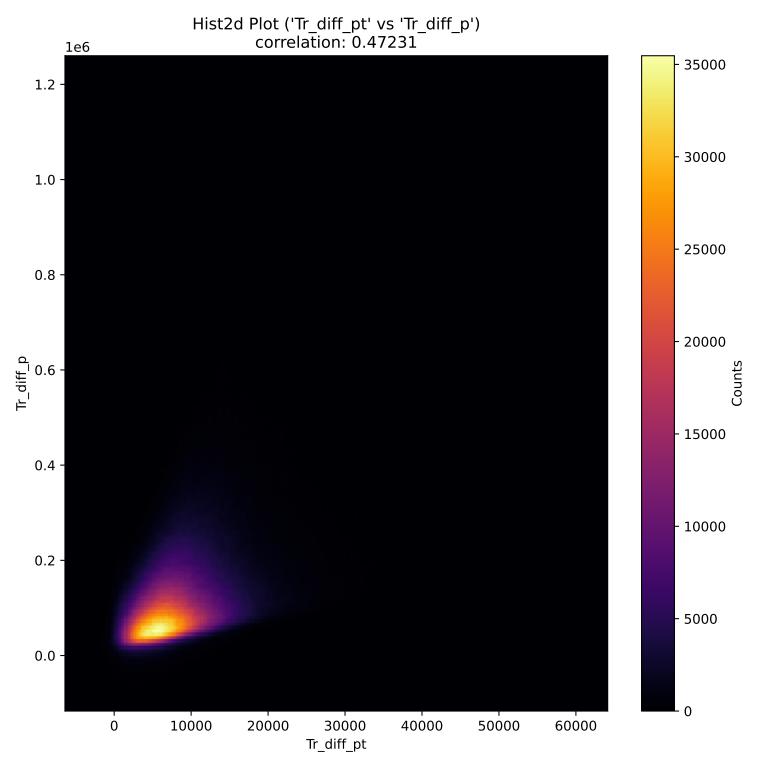


Hist2d Plot ('Tr_T_IP_trPUS' vs 'Tr_T_AALLSAMEBPV') correlation: -0.48567 140000 1.25 -120000 1.00 -- 100000 Tr_T_AALLSAMEBPV (categorical) 0.75 -80000 0.50 -60000 0.25 40000 0.00 -20000 -0.25 -10⁰ 10² 10^{-1} 10^{1} 10^{3} Tr_T_IP_trPUS

Hist2d Plot ('Tr_T_PROBNNmu' vs 'Tr_T_ISMUON') correlation: 0.47997

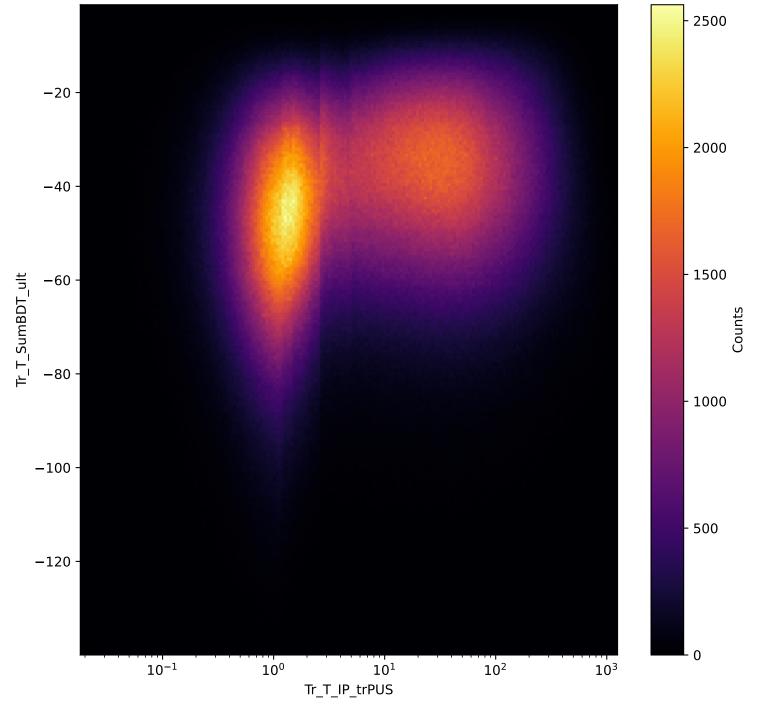


Hist2d Plot ('Tr_T_Conlso_p_ult' vs 'Tr_T_Sum_of_trackpt') correlation: -0.47477 50000 -200000 175000 40000 -- 150000 Tr_T_Sum_of_trackpt 30000 -- 125000 - 100000 20000 -- 75000 - 50000 10000 -- 25000 0.8 0.2 0.4 0.6 1.0 Tr_T_ConIso_p_ult



Hist2d Plot ('Tr_T_MinBDT_sigtr' vs 'Tr_T_SumBDT_sigtr') correlation: -0.45215 **-100.5** · -101.0 -- 200000 -101.5 -- 150000 Tr_T_SumBDT_sigtr -102.0 --102.5 · - 100000 -103.0 -- 50000 -103.5 --104.0-0.75-0.25 -0.500.00 0.50 0.75 0.25 Tr_T_MinBDT_sigtr

Hist2d Plot ('Tr_T_IP_trPUS' vs 'Tr_T_SumBDT_ult') correlation: 0.45160



 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_ACHI2DOCA' vs 'Tr_T_Mother_VtxChi2')} \\ \mbox{correlation: } 0.44832 \end{array}$ 10000 104 -10² -8000 Tr_T_Mother_VtxChi2 - 6000 - 4000 10^{-4} -2000 10^{-6} -10-5 10-3 10 -1 10³ 10⁵ 10^1 Tr_T_ACHI2DOCA

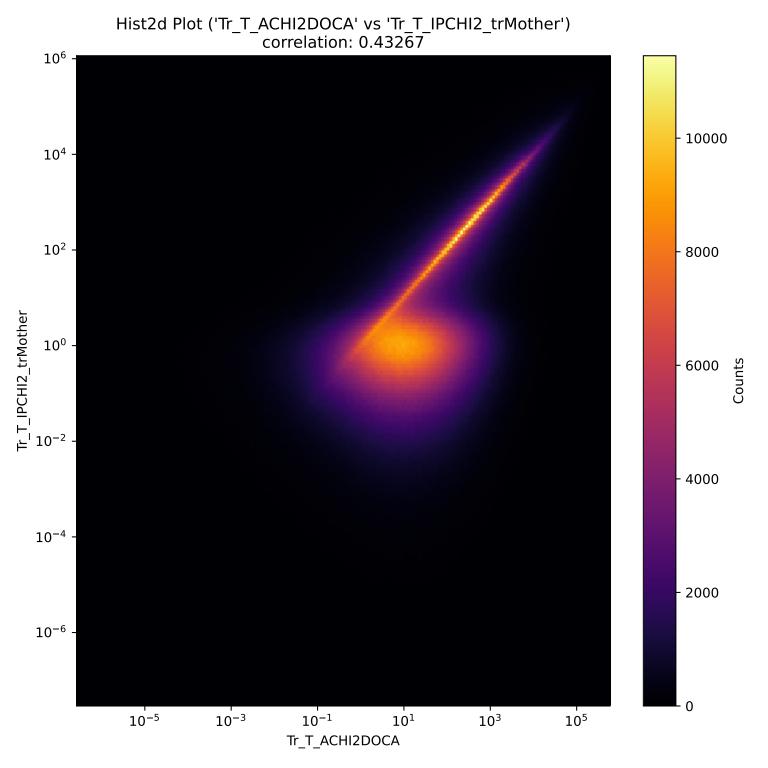
Hist2d Plot ('Tr_T_PROBNNpi' vs 'Tr_T_TRGHOSTPROB') correlation: -0.43398 800000 0.30 -700000 0.25 -600000 Tr TRGHOSTPROB 0.12 -- 500000 - 400000 300000 0.10 -200000 0.05 -- 100000 0.2 0.4 0.6 8.0

Tr_T_PROBNNpi

Hist2d Plot ('Tr_T_MinBDT_ult' vs 'Tr_T_NbNonIsoTr_MinBDT_ult') correlation: 0.43364 12 -- 175000 10 -- 150000 8 -- 125000 Counts 6 -- 75000 50000 2 -- 25000 0 -Lο -0.75-0.50-0.250.00 0.25 0.50 0.75

Tr_T_MinBDT_ult

Tr_T_NbNonIsoTr_MinBDT_ult (only integers)



 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_SumBDT_ult' vs 'Tr_T_Sum_of_trackpt')} \\ \mbox{correlation: } -0.42911 \end{array}$ 50000 -- 10000 40000 -8000 Tr_T_Sum_of_trackpt 30000 -6000 20000 -4000 10000 -2000 -20-120-100-80 -60 -40 Tr_T_SumBDT_ult

Hist2d Plot ('Tr_T_ConIso_p_ult' vs 'Tr_T_Sum_of_trackp') correlation: -0.42120 800000 -200000 700000 -- 175000 600000 -- 150000 Tr_T_Sum_of_trackp 500000 -- 125000 400000 -- 100000 300000 -- 75000 200000 -- 50000 100000 -- 25000 0 0.2 0.8 0.4 0.6 1.0 Tr_T_ConIso_p_ult

Hist2d Plot ('Tr_T_MinBDT_ult' vs 'Tr_T_SumBDT_sigtr') correlation: -0.41510 **-100.5** · 25000 -101.0 -20000 -101.5 -Tr_T_SumBDT_sigtr 15000 -102.0 --102.5 · 10000 -103.0 -5000 -103.5 --104.0-0.75-0.25 -0.500.00 0.25 0.50 0.75 $Tr_T_MinBDT_ult$

Hist2d Plot ('Tr_T_TRCHI2DOF' vs 'Tr_T_TrFITTCHI2NDOF') correlation: 0.40866 60000 5 -- 50000 - 40000 Tr_T_TrFITTCHI2NDOF 30000 2 -20000 1 -- 10000 3.0 2.0 0.5 3.5 1.0 1.5 2.5 Tr_T_TRCHI2DOF

Hist2d Plot ('Tr_T_ADOCA' vs 'Tr_T_MinIPChi2') correlation: 0.40192 - 10000 10⁴ + 8000 10² -Tr_T_MinIPChi2 6000 10⁰ -4000 10-2 -- 2000 10-2 10⁻³ 10^{-4} 10^{-1} 10¹ 10^{0} Tr_T_ADOCA

Hist2d Plot ('Tr_T_ADOCA' vs 'Tr_T_BPVIPCHI2') correlation: 0.40192 - 10000 10⁴ + 8000 10² -Tr_T_BPVIPCHI2 6000 10⁰ -4000 10-2 2000 10-2 10⁻³ 10^{-4} 10^{-1} 10¹ 10^{0} Tr_T_ADOCA

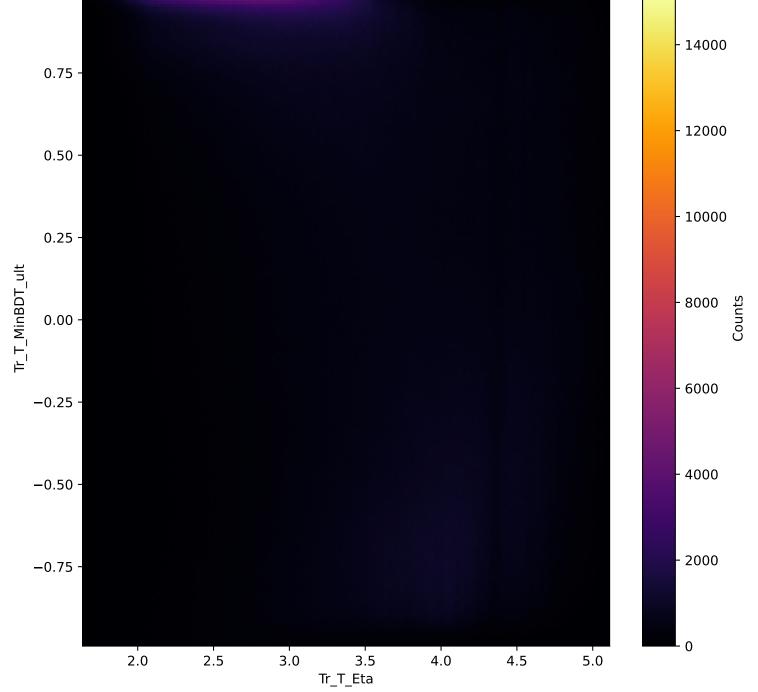
 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_TRGHOSTPROB' vs 'Tr_T_TRPCHI2')} \\ \mbox{correlation: } -0.40139 \end{array}$ 10-2 -800000 10-4 600000 10-6 Tr_T_TRPCHI2 10-8 - 400000 10^{-10} 200000 10^{-12} 0.05 0.15 0.20 0.10 0.25 0.30 Tr_T_TRGHOSTPROB

 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_BPVIPCHI2' vs 'Tr_T_IP_trMother')} \\ \mbox{correlation: 0.39416} \end{array}$ 12000 10^1 - 10000 10⁰ -8000 Tr T P trMother 10-2 10-1 -6000 - 4000 10-3 - 2000 10^{-4} -104 100 10² 10-2 Tr_T_BPVIPCHI2

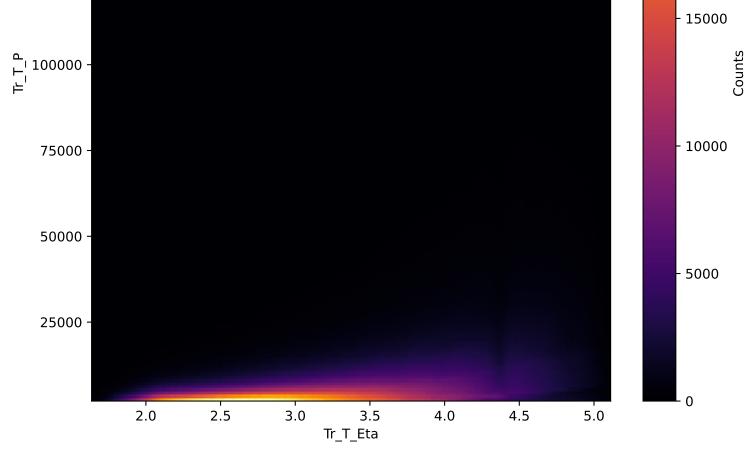
 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_MinIPChi2' vs 'Tr_T_IP_trMother')} \\ \mbox{correlation: 0.39416} \end{array}$ 12000 10^1 - 10000 10⁰ · 8000 Transport Transp 10-1 -6000 - 4000 10-3 - 2000 10^{-4} -104 100 10² 10-2 Tr_T_MinIPChi2

Hist2d Plot ('Tr_T_SumBDT_sigtr' vs 'Tr_T_SumMinBDT_ult') correlation: -0.39196 7000 6000 100 -- 5000 50 -Tr_T_SumMinBDT_ult 4000 0 -- 3000 - 2000 -50 -- 1000 -100 L o -102.0 -103.5-103.0-102.5-101.5-101.0-100.5-104.0Tr_T_SumBDT_sigtr

Hist2d Plot ('Tr_T_Eta' vs 'Tr_T_MinBDT_ult') correlation: -0.39161



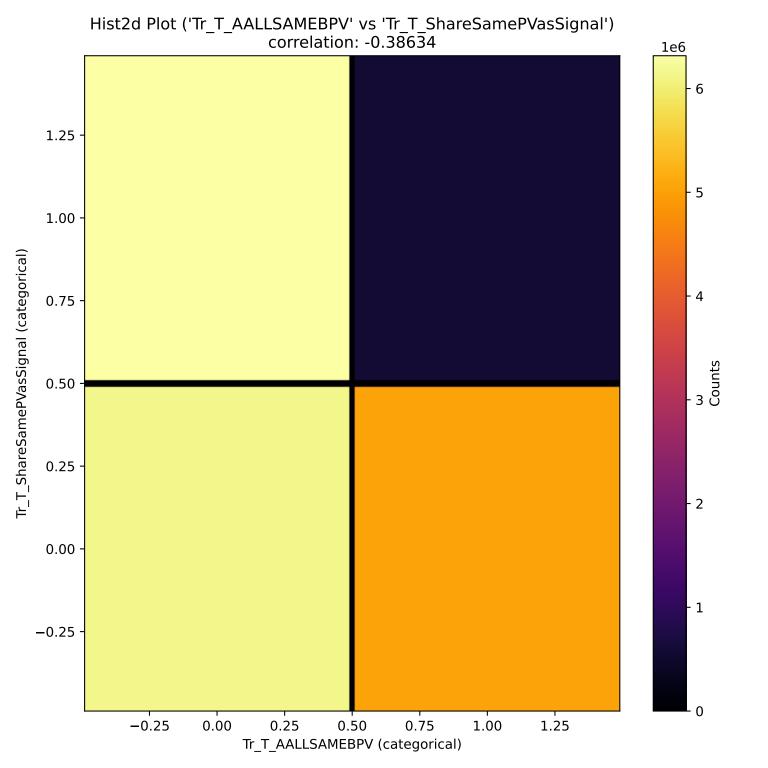
Hist2d Plot ('Tr_T_Eta' vs 'Tr_T_P') correlation: 0.39125 25000 175000 -150000 -20000 125000 -15000 10000 75000 -50000 -5000



Hist2d Plot ('Tr_T_PROBNNghost' vs 'Tr_T_TRPCHI2') correlation: -0.38999 30000 10^{-2} - 25000 10-4 - 20000 10-6 - 15000 Counts 10-8 10000 10^{-10} - 5000 10^{-12} 10⁻³ 10^{-2} 10^{-4} 10^{-1}

Tr_T_PROBNNghost

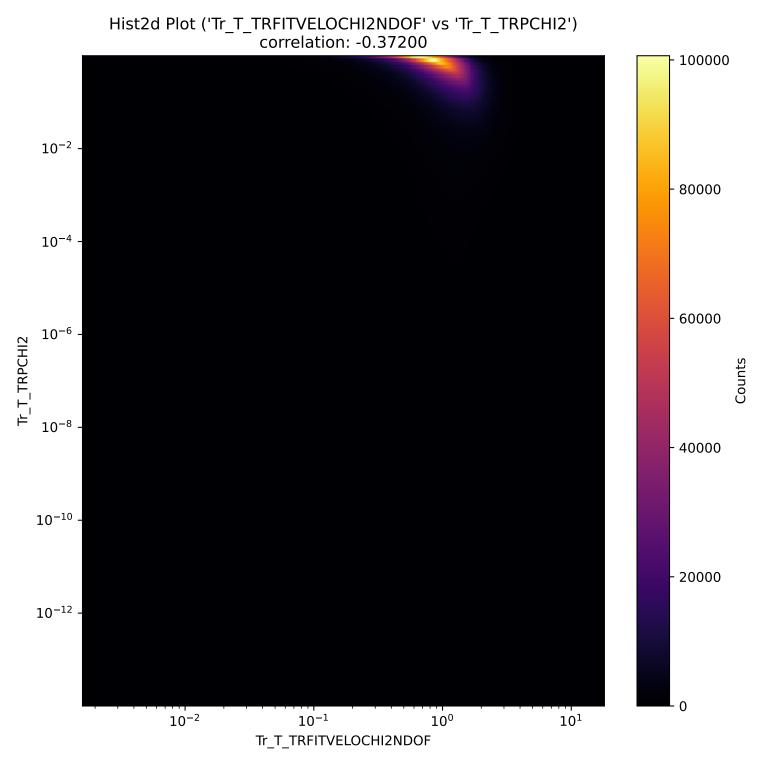
Tr_T_TRPCHI2



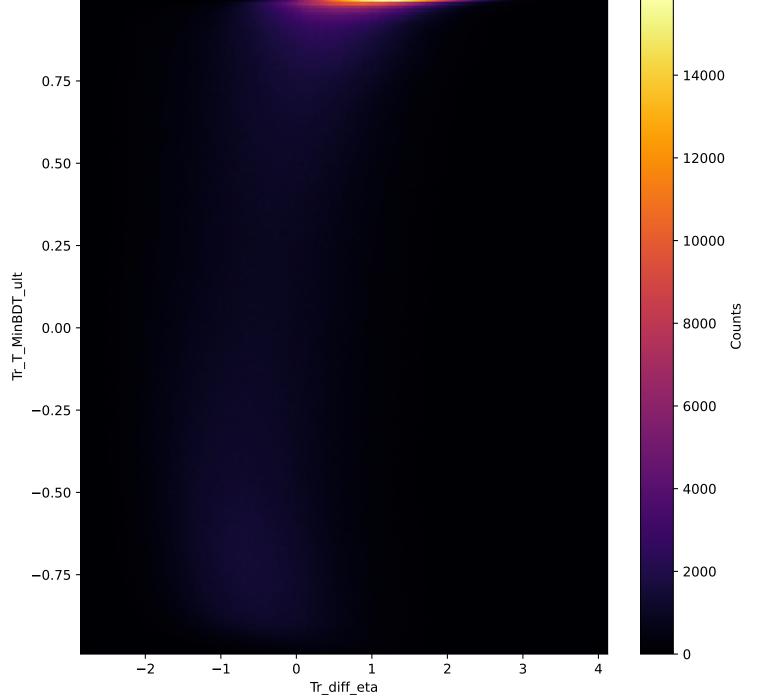
Hist2d Plot ('Tr_T_PROBNNe' vs 'Tr_T_PROBNNghost') correlation: 0.38572 - 20000 10^{-1} - 15000 Tr_T_PROBNNghost 10-2 10000 10-3 -5000 10^{-4} -10-7 10⁻³ 10-9 10-5 10-11 10^{-1} Tr_T_PROBNNe

 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_SumBDT_ult' vs 'Tr_T_Sum_of_trackp')} \\ \mbox{correlation: -0.38389} \end{array}$ 800000 -10000 700000 -8000 600000 -6000 - 4000 300000 -200000 -2000 100000 -0 -120-80 -40 -20 -100-60 $Tr_T_SumBDT_ult$

Hist2d Plot ('Tr_T_ConIso_p_ult' vs 'Tr_T_P') correlation: 0.38032 175000 -200000 150000 -- 150000 125000 -는 | 100000 -|는 - 100000 75000 -50000 -50000 25000 -0.2 0.8 0.4 0.6 1.0 Tr_T_ConIso_p_ult

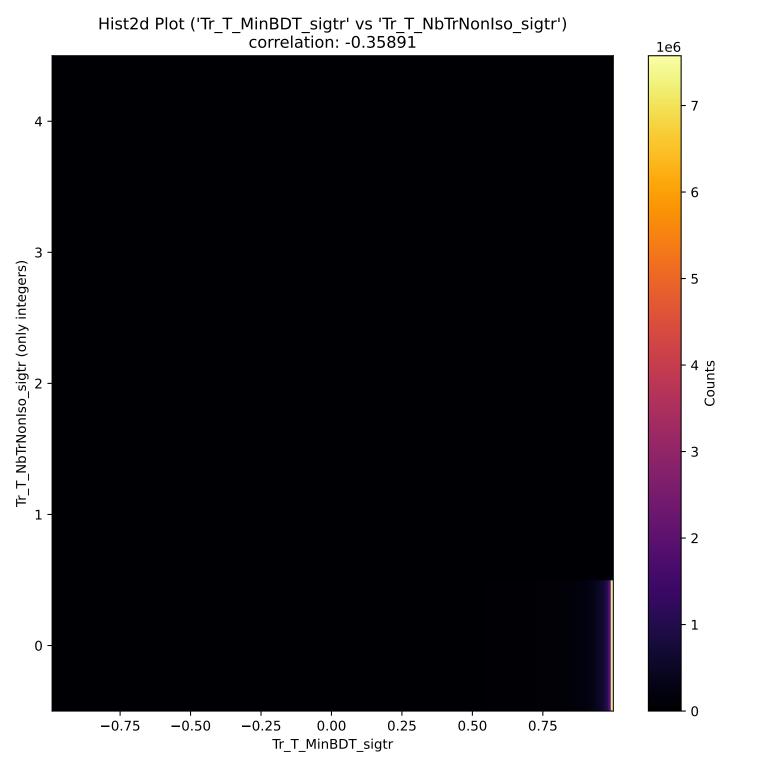


Hist2d Plot ('Tr_diff_eta' vs 'Tr_T_MinBDT_ult') correlation: 0.36670



Hist2d Plot ('Tr_T_Eta' vs 'Tr_T_Sum_of_trackp') correlation: 0.36446 6000 800000 -- 5000 700000 -600000 -4000 Counts 300000 -- 2000 200000 -- 1000 100000 -0 5.0 2.5 4.0 4.5 2.0 3.0 3.5

Tr_T_Eta



Hist2d Plot ('Tr_T_IPCHI2_trMother' vs 'Tr_T_IP_trMother') correlation: 0.35567 16000 10¹ 14000 10⁰ 12000 Transport of the Landscore Transport of the Landscore Transport of the Landscore of the Lan 10-1 -10000 8000 6000 10⁻³ · 4000 10^{-4} -- 2000 10² 10-4 10-2 10° 10⁴ 10^{-6} 10^{6} $Tr_T_IPCHI2_trMother$

Hist2d Plot ('Tr_T_SumBDT_sigtr' vs 'Tr_T_SumBDT_ult') correlation: 0.35263 - 5000 4000 Counts - 2000 - 1000

-20 -

-40 -

-60 -

-80 -

-100 -

-120 -

-104.0

-103.5

-103.0

-102.5

-102.0

Tr_T_SumBDT_sigtr

-101.5

-101.0

-100.5

Tr_T_SumBDT_ult

Hist2d Plot ('Tr_T_IP_trMother' vs 'Tr_T_Mother_VtxChi2') correlation: 0.34957 16000 104 -- 14000 10² -12000 Tr_T_Mother_VtxChi2 - 10000 8000 6000 10^{-4} -- 4000 - 2000 10^{-6} -10-2 10-3 10^{-4} 10^{-1} 10⁰ 10¹ Tr_T_IP_trMother

Hist2d Plot ('Tr_T_ConIso_p_ult' vs 'Tr_T_SumBDT_ult') correlation: 0.34684 - 10000 -20 -- 8000 -40Tr_T_SumBDT_ult -60 6000 -80 4000 -100 -- 2000 -120 -0.2 8.0 0.4 0.6 1.0 $Tr_T_ConIso_p_ult$

Hist2d Plot ('Tr_T_SumBDT_ult' vs 'Tr_T_SumMinBDT_ult') correlation: -0.34548 20000 - 17500 100 -- 15000 50 -Tr_T_SumMinBDT_ult - 12500 - 10000 -Counts 0 -7500 5000 -50 -- 2500 -100 --120-100 -80 -60 -40 -20 Tr_T_SumBDT_ult

Hist2d Plot ('Tr_diff_z' vs 'Tr_T_P') correlation: 0.34332 175000 -80000 150000 -125000 -60000 ⊡ 100000 -⊨ 1 - 40000 75000 -50000 -20000 25000 -300 600 -1000 100 200 400 500 700 Tr_diff_z

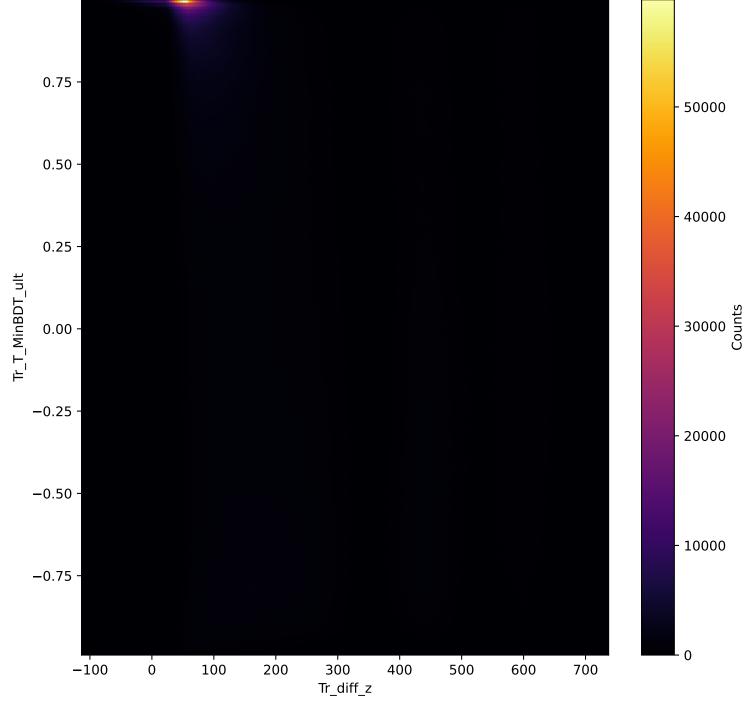
 $\begin{array}{c} \mbox{Hist2d Plot ('Tr_T_SumBDT_ult' vs 'Tr_T_AALLSAMEBPV')} \\ \mbox{correlation: -0.34115} \end{array}$ 200000 1.25 -- 175000 1.00 -- 150000 Tr_T_AALLSAMEBPV (categorical) 0.75 -125000 0.50 -- 100000 0.25 -75000 0.00 -- 50000 -0.25 -- 25000 **-20** -120-100-80 -60 -40 $Tr_T_SumBDT_ult$

Hist2d Plot ('Tr_T_Conlso_p_ult' vs 'Tr_T_PT') correlation: 0.33643 14000 160000 12000 -140000 - 120000 10000 -- 100000 8000 -80000 6000 -- 60000 4000 -- 40000 2000 - 20000 0.8 0.2 0.6 0.4 1.0 Tr_T_ConIso_p_ult

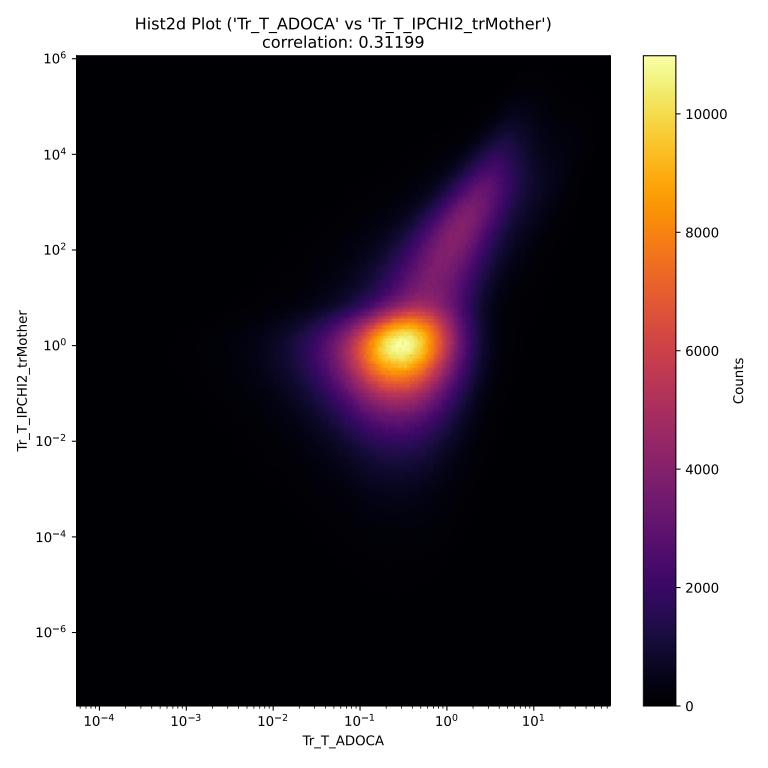
Hist2d Plot ('Tr_diff_p' vs 'Tr_diff_eta') correlation: 0.32782 4 -12000 3 -10000 2 -- 8000 1 -Tr_diff_eta - 6000 0 -- 4000 -1 -- 2000 **-**2 -1.2 1e6 0.4 1.0 0.0 0.8 0.2 0.6

Tr_diff_p

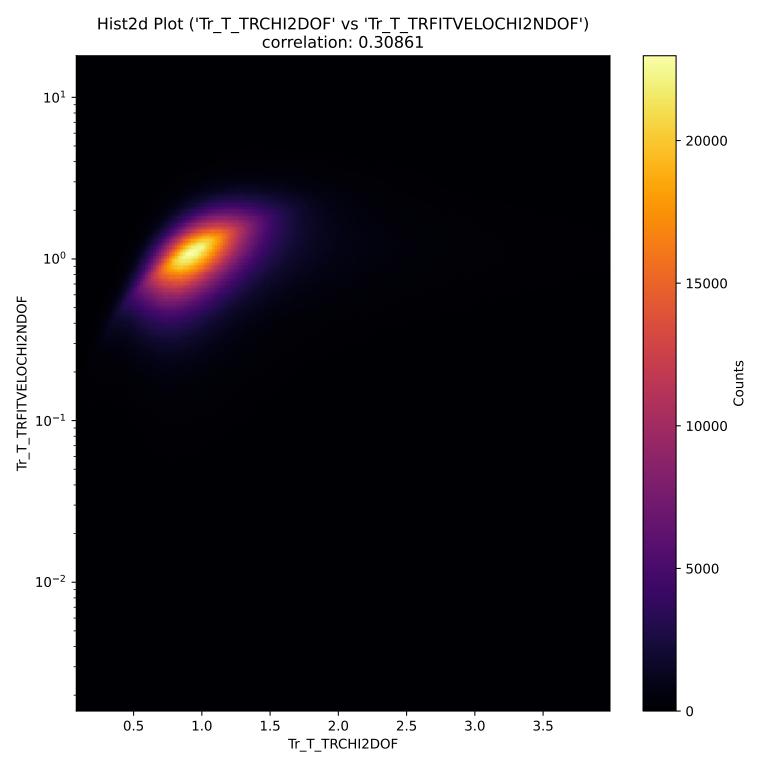
Hist2d Plot ('Tr_diff_z' vs 'Tr_T_MinBDT_ult') correlation: -0.32114



Hist2d Plot ('Tr_T_MinBDT_ult' vs 'Tr_T_Sum_of_trackp') correlation: -0.31586 800000 -- 100000 700000 -80000 600000 -Tr_T_Sum_of_trackp 500000 -60000 400000 -40000 300000 -200000 -- 20000 100000 -0 -0.75-0.50-0.250.00 0.50 0.75 0.25 Tr_T_MinBDT_ult



Hist2d Plot ('Tr_T_ADOCA' vs 'Tr_T_Mother_VtxChi2') correlation: 0.31017 10000 104 -8000 10² -Tr_T Mother_VtxChi2 6000 4000 10^{-4} -- 2000 10^{-6} -10⁻³ 10-2 10^{-4} 10^{-1} 10¹ 10^{0} Tr_T_ADOCA



Hist2d Plot ('Tr_T_ACHI2DOCA' vs 'Tr_T_ADOCA') correlation: 0.30846 - 14000 10^{1} -12000 10^{0} 10000 Tr_T_ADOCA 8000 10^{-1} 6000 10^{-2} - 4000 10^{-3} - 2000 10^{-4} 10-3 10^{-1} 10^{1} 10⁵ 10-5 10³ Tr_T_ACHI2DOCA

Hist2d Plot ('Tr_diff_eta' vs 'Tr_T_P') correlation: -0.30665 40000 175000 -35000 150000 -- 30000 125000 -25000 20000 Counts _ ⊢ ⊢ ⊢ ⊢ 75000 -- 15000 50000 -10000 - 5000 25000 -

3

-2

-1

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1

Tr_diff_eta

2

Hist2d Plot ('Tr_T_PROBNNpi' vs 'Tr_T_TRCHI2DOF') correlation: -0.30515 70000 3.5 -60000 3.0 -50000 2.5 -Tr_T_TRCHI2DOF 0.0 40000 30000 1.5 -- 20000 1.0 -- 10000 0.5 -0.2 0.4 0.8 0.6

Tr_T_PROBNNpi

Hist2d Plot ('Tr_T_MinBDT_sigtr' vs 'Tr_T_MinBDT_ult')
correlation: 0.30151

