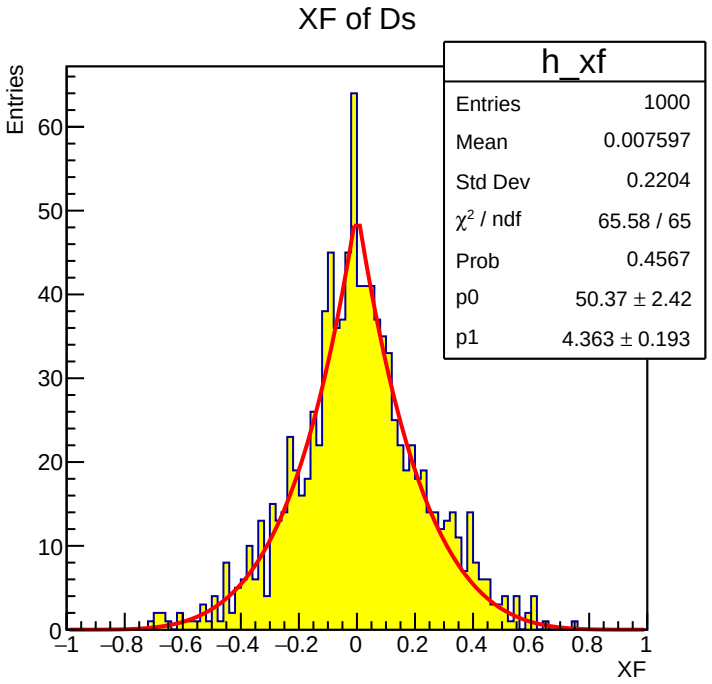
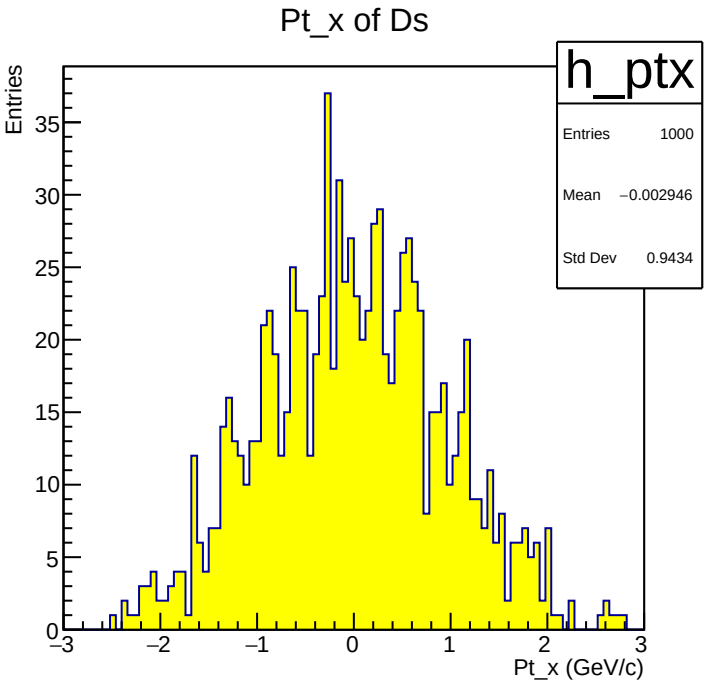
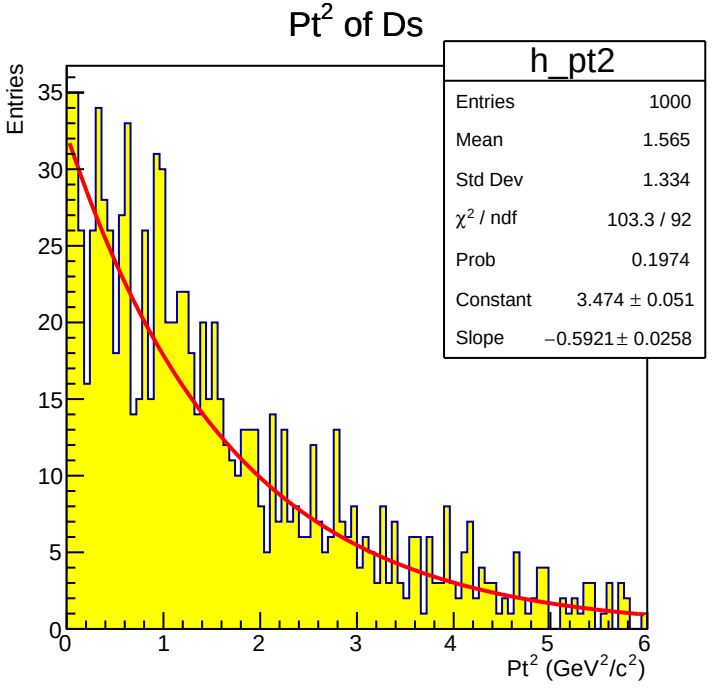
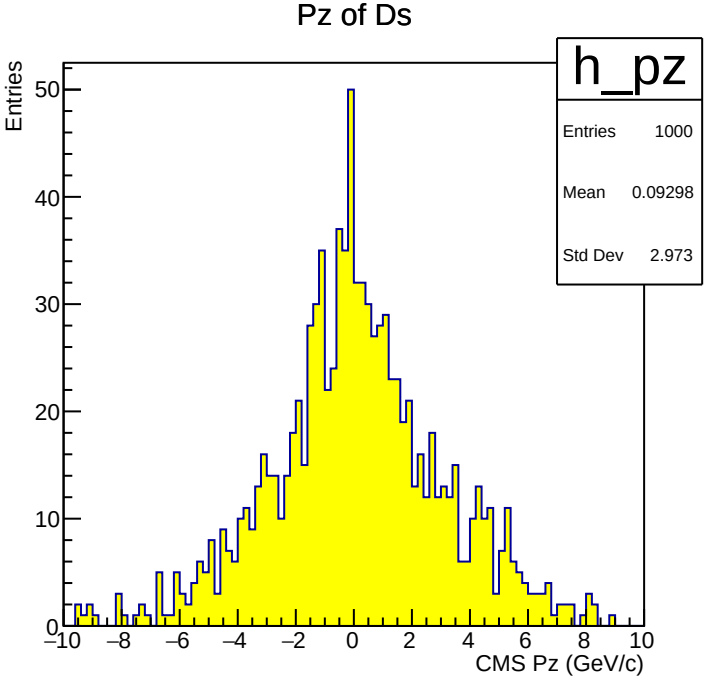
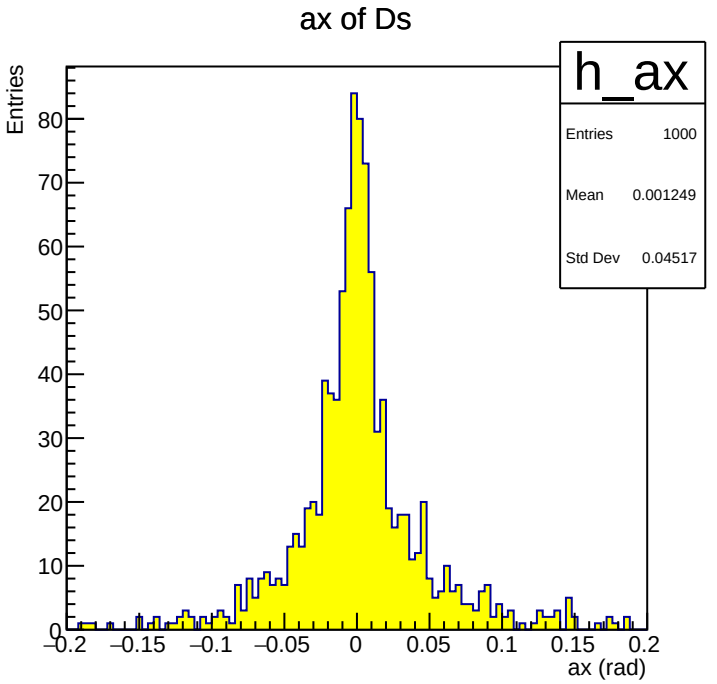
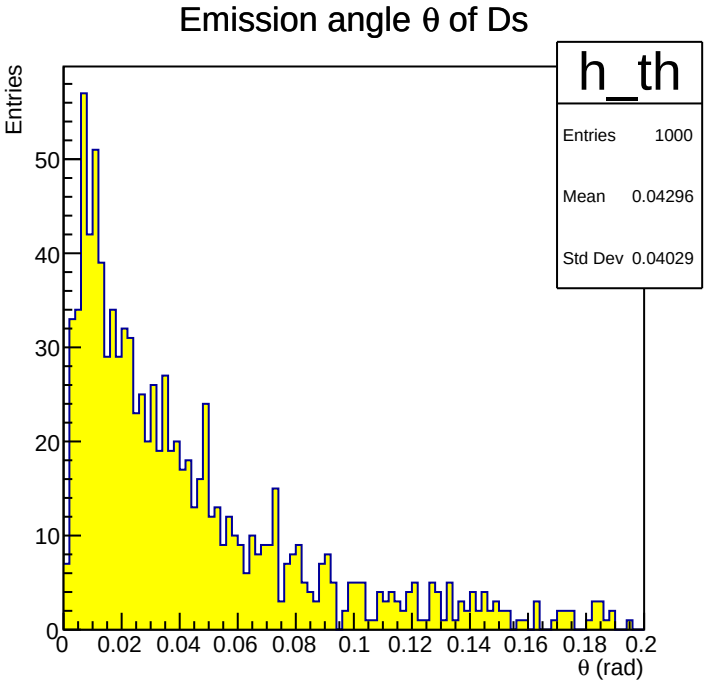

XF of Ds
h_xf
Entries 1000
Mean 0.007597
Std Dev 0.2204
χ² / ndf 65.58 / 65
Prob 0.4567
p0 50.37 ± 2.42
p1 4.363 ± 0.193
Entries
XF

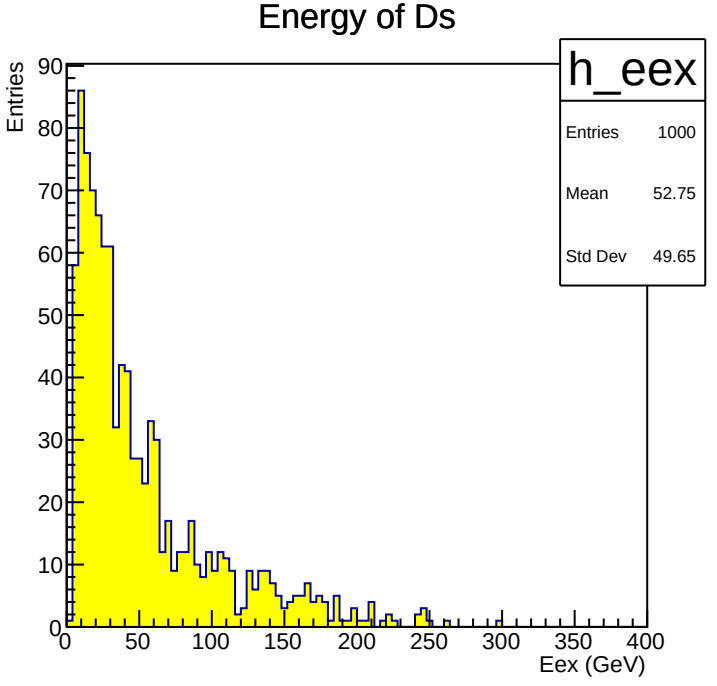

Pt_x of Ds
h_ptx
Entries 1000
Mean −0.002946
Std Dev 0.9434
Entries
Pt_x (GeV/c)

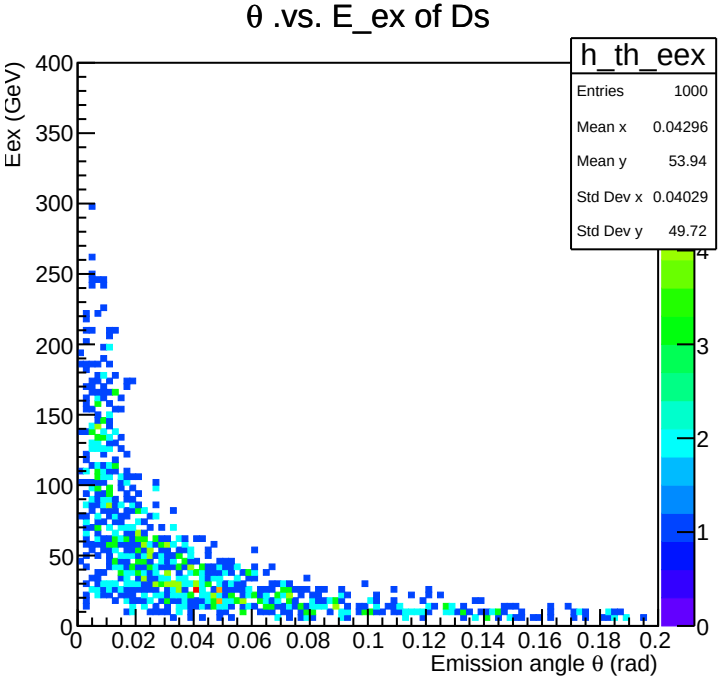

Pt² of Ds
h_pt2
Entries 1000
Mean 1.565
Std Dev 1.334
χ² / ndf 103.3 / 92
Prob 0.1974
Constant 3.474 ± 0.051
Slope −0.5921 ± 0.0258
Entries
Pt² (GeV²/c²)

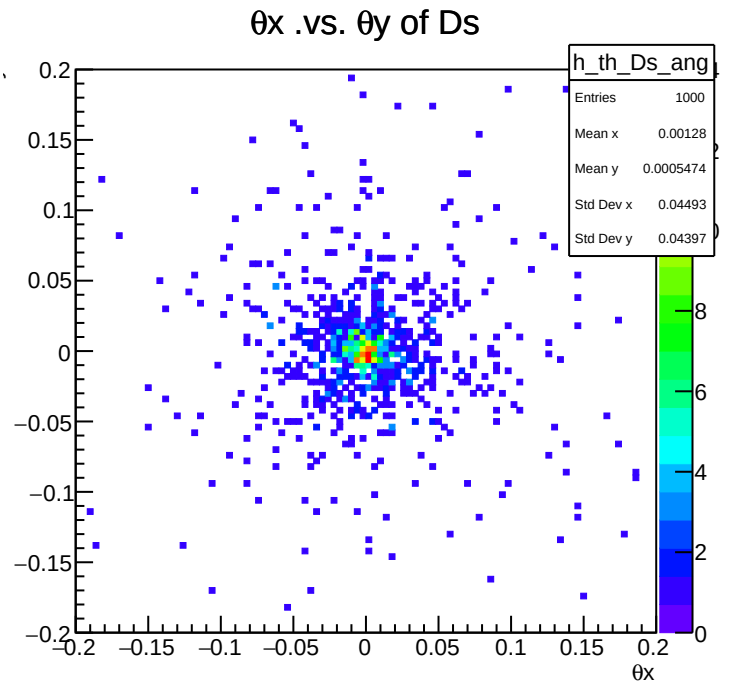

Pz of Ds
h_pz
Entries 1000
Mean 0.09298
Std Dev 2.973
Entries
CMS Pz (GeV/c)

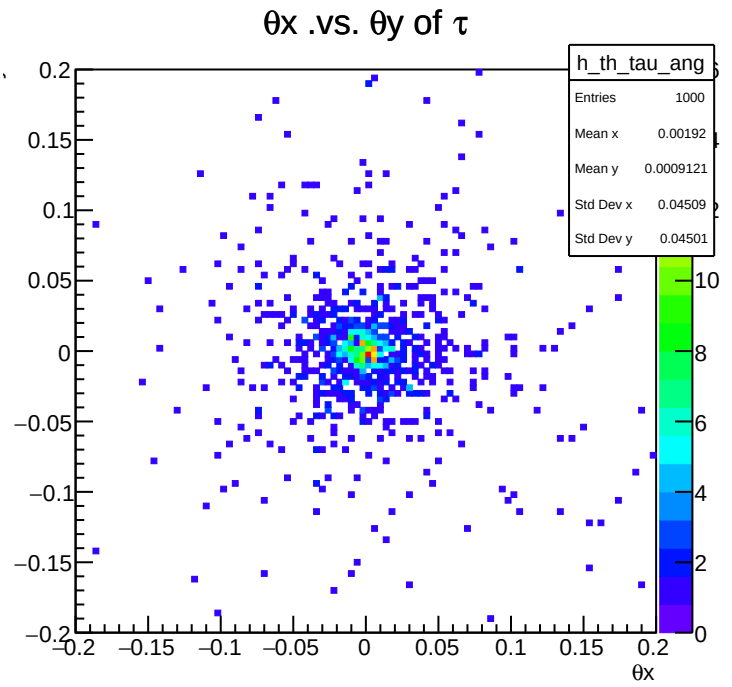

ax of Ds
h_ax
Entries 1000
Mean 0.001249
Std Dev 0.04517
Entries
ax (rad)

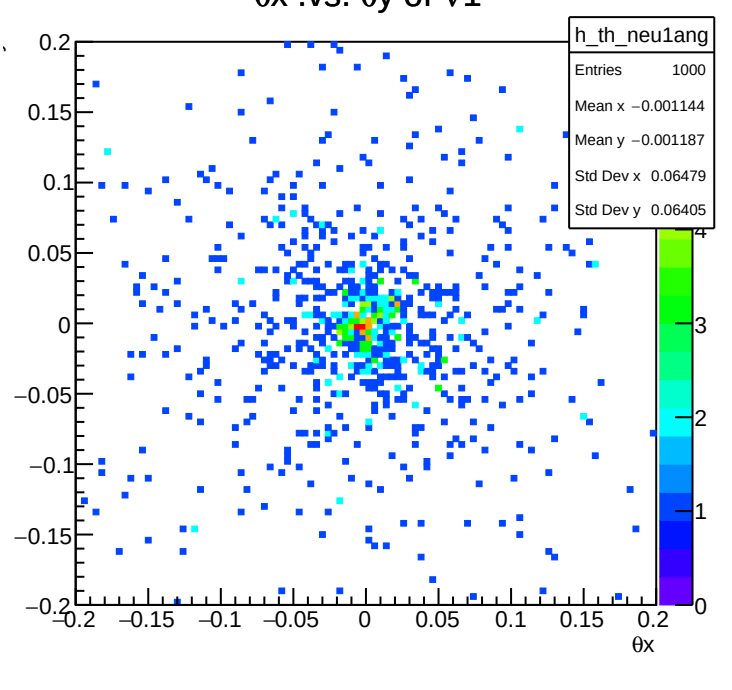

Emission angle θ of Ds
h_th
Entries 1000
Mean 0.04296
Std Dev 0.04029
Entries
θ (rad)

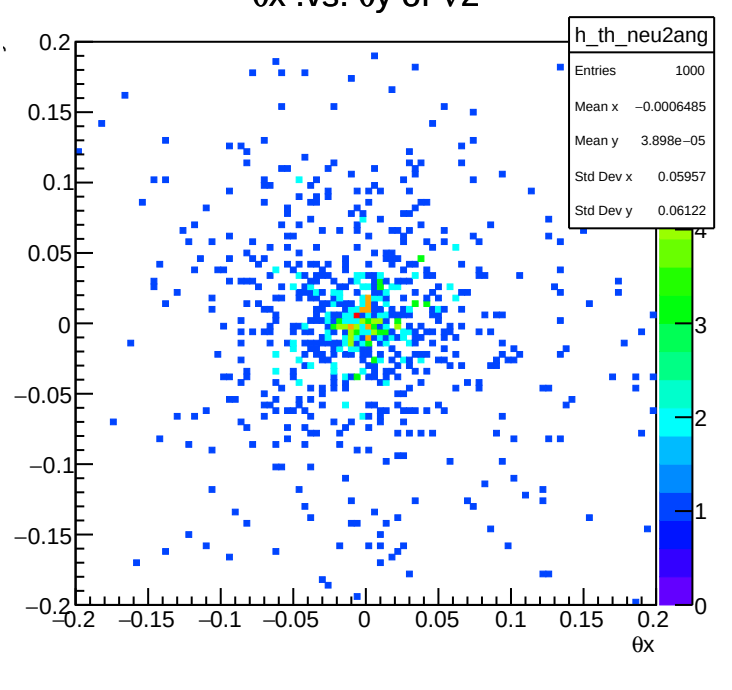

Energy of Ds
h_eex
Entries 1000
Mean 52.75
Std Dev 49.65
Entries
Eex (GeV)

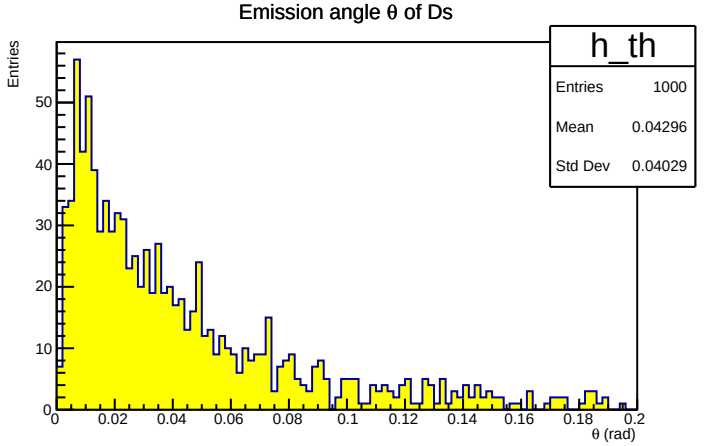

θ .vs. E_ex of Ds
h_th_eex
Entries 1000
Mean x 0.04296
Mean y 53.94
Std Dev x 0.04029
Std Dev y 49.72
Eex (GeV)
Emission angle θ (rad)

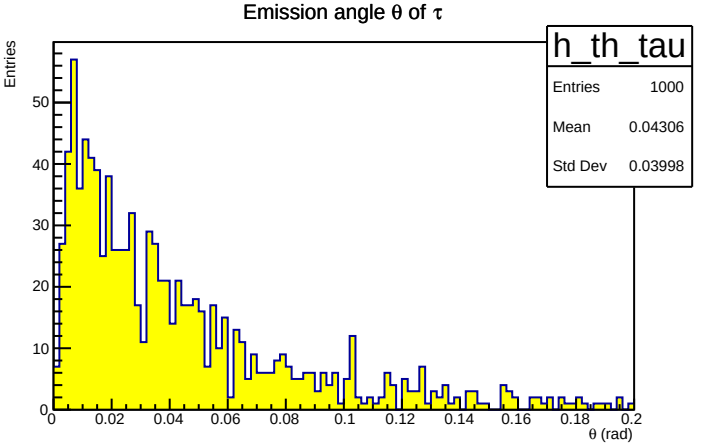

θx .vs. θy of Ds
h_th_Ds_ang
Entries 1000
Mean x 0.00128
Mean y 0.0005474
Std Dev x 0.04493
Std Dev y 0.04397
θx

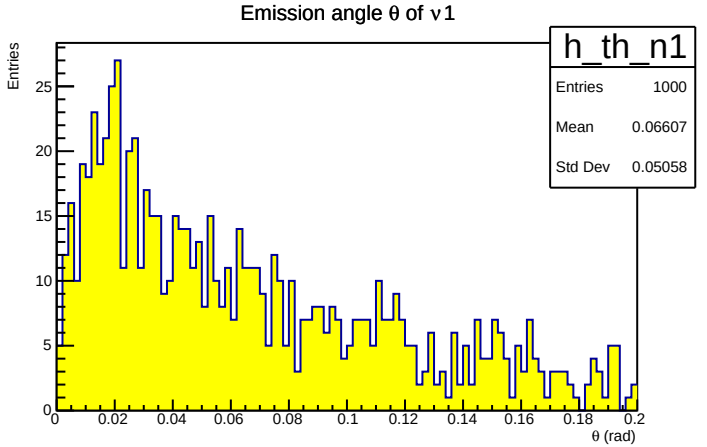

θx .vs. θy of τ
h_th_tau_ang
Entries 1000
Mean x 0.00192
Mean y 0.0009121
Std Dev x 0.04509
Std Dev y 0.04501
θx

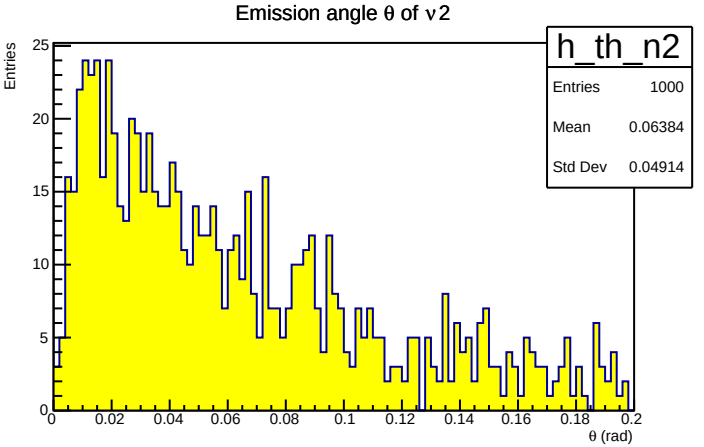

θx .vs. θy of ν1
h_th_neu1ang
Entries 1000
Mean x −0.001144
Mean y −0.001187
Std Dev x 0.06479
Std Dev y 0.06405
θx

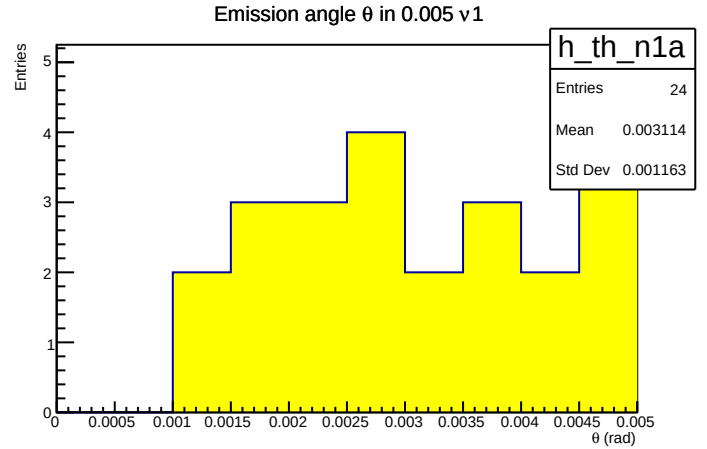

θx .vs. θy of ν2
h_th_neu2ang
Entries 1000
Mean x −0.0006485
Mean y 3.898e−05
Std Dev x 0.05957
Std Dev y 0.06122
θx

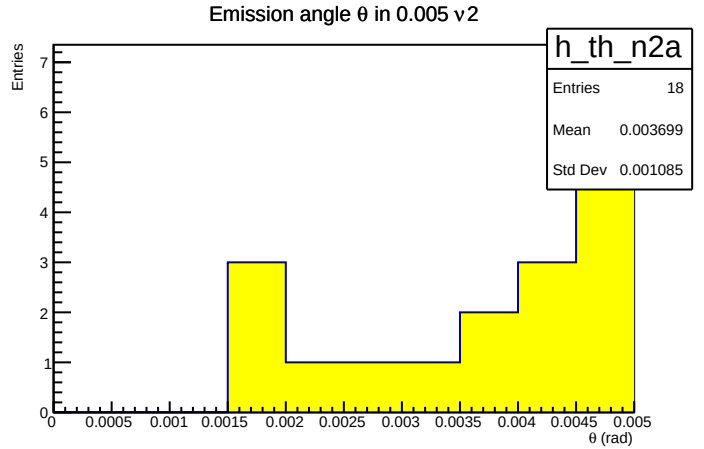

Emission angle θ of Ds
h_th
Entries 1000
Mean 0.04296
Std Dev 0.04029
Entries
θ (rad)

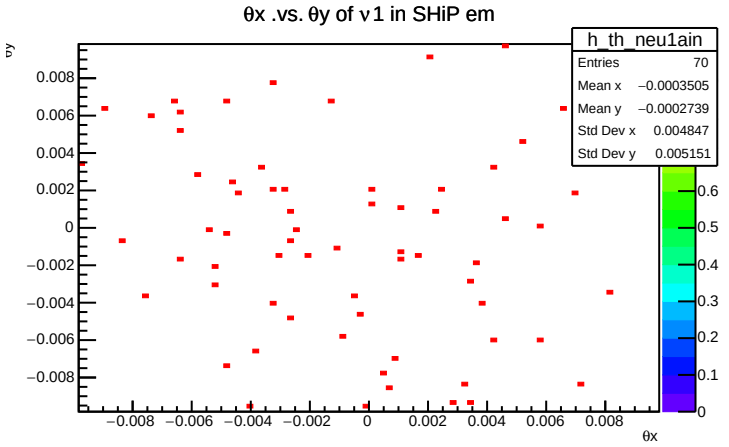

Emission angle θ of τ
h_th_tau
Entries 1000
Mean 0.04306
Std Dev 0.03998
Entries
θ (rad)

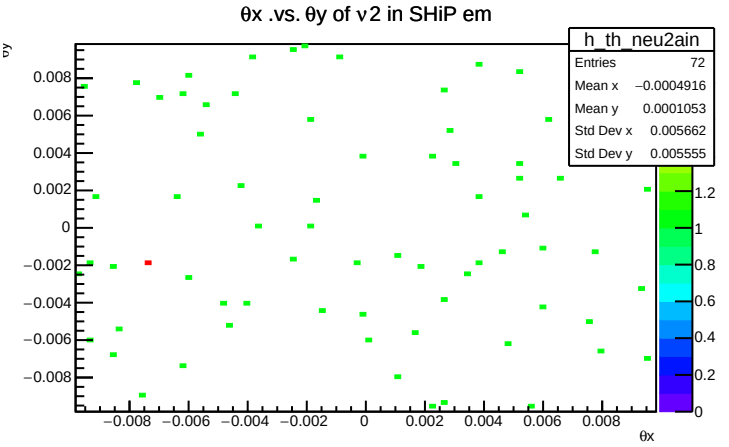

Emission angle θ of ν1
h_th_n1
Entries 1000
Mean 0.06607
Std Dev 0.05058
Entries
θ (rad)

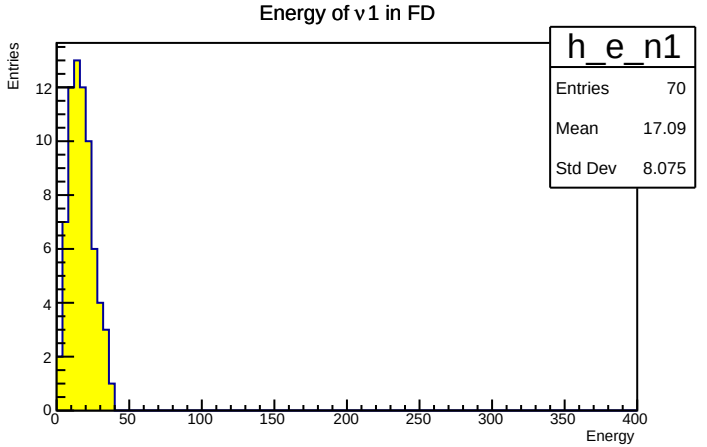

Emission angle θ of ν2
h_th_n2
Entries 1000
Mean 0.06384
Std Dev 0.04914
Entries
θ (rad)

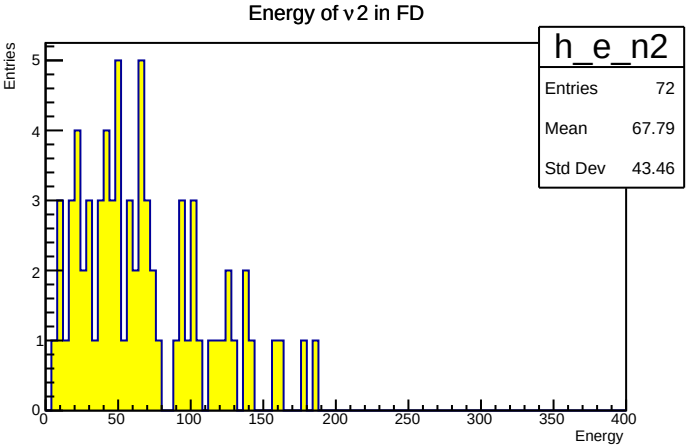

Emission angle θ in 0.005 ν1
h_th_n1a
Entries 24
Mean 0.003114
Std Dev 0.001163
Entries
θ (rad)

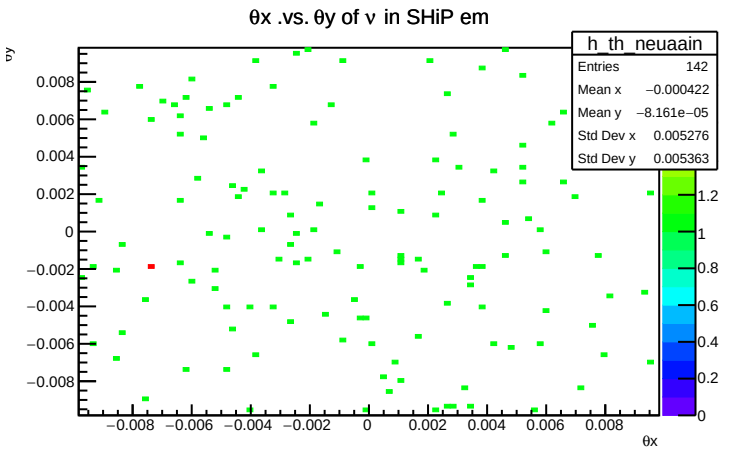

Emission angle θ in 0.005 ν2
h_th_n2a
Entries 18
Mean 0.003699
Std Dev 0.001085
Entries
θ (rad)

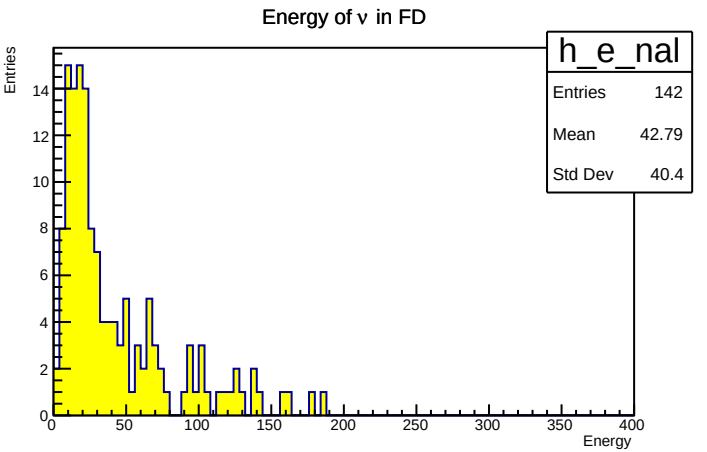

θx .vs. θy of ν1 in SHiP em
h_th_neu1ain
Entries 70
Mean x −0.0003505
Mean y −0.0002739
Std Dev x 0.004847
Std Dev y 0.005151
θy
θx

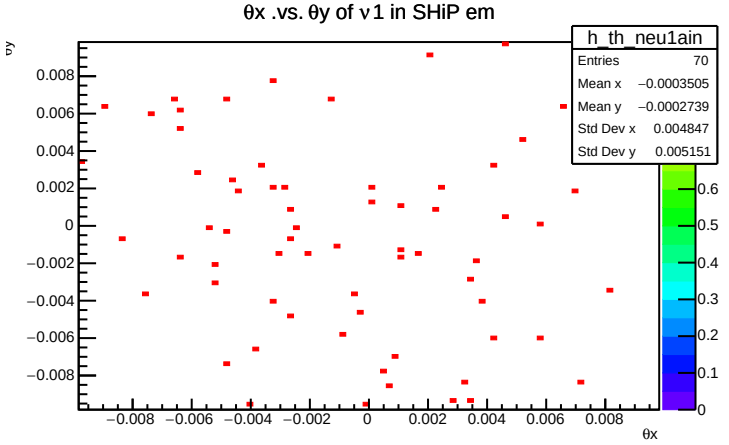

θx .vs. θy of ν2 in SHiP em
h_th_neu2ain
Entries 72
Mean x −0.0004916
Mean y 0.0001053
Std Dev x 0.005662
Std Dev y 0.005555
θy
θx

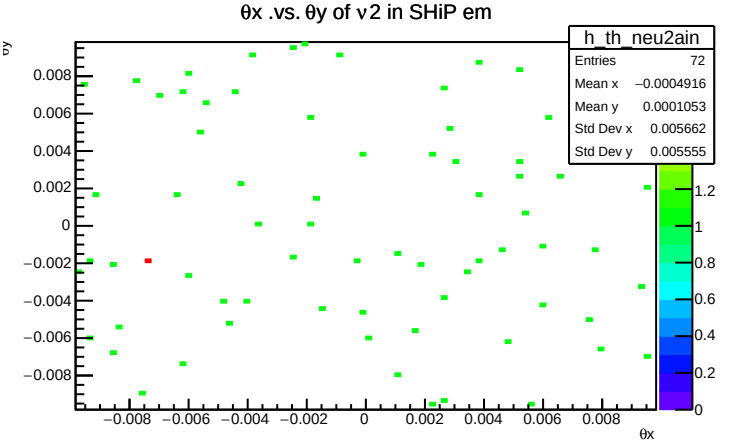

Energy of ν1 in FD
h_e_n1
Entries 70
Mean 17.09
Std Dev 8.075
Entries
Energy

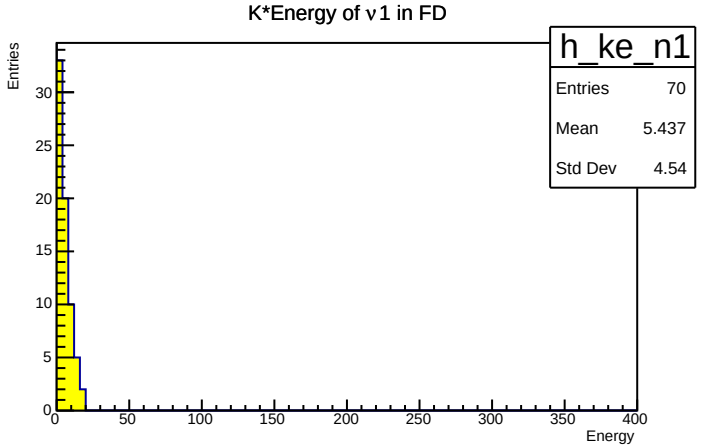

Energy of ν2 in FD
h_e_n2
Entries 72
Mean 67.79
Std Dev 43.46
Entries
Energy

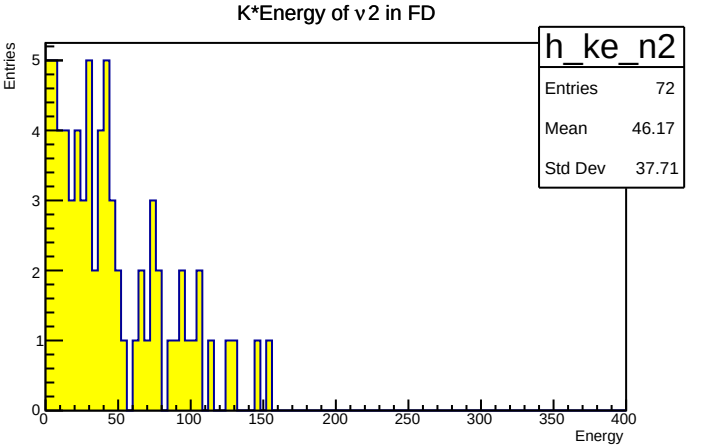

θx .vs. θy of ν in SHiP em
h_th_neuaain
Entries 142
Mean x −0.000422
Mean y −8.161e−05
Std Dev x 0.005276
Std Dev y 0.005363
θy
θx

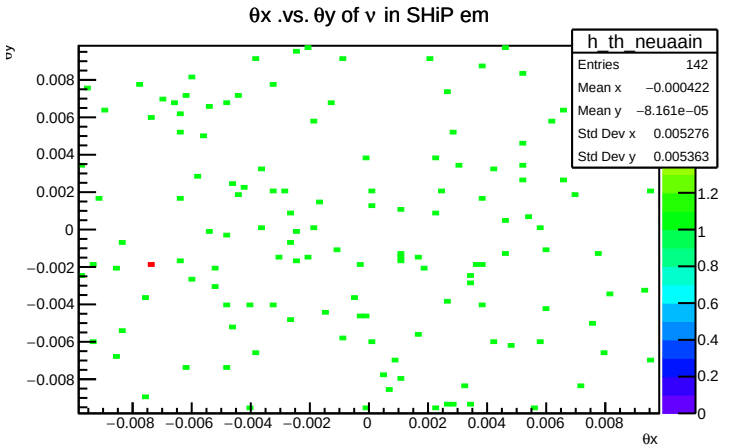

Energy of ν in FD
h_e_nal
Entries 142
Mean 42.79
Std Dev 40.4
Entries
Energy

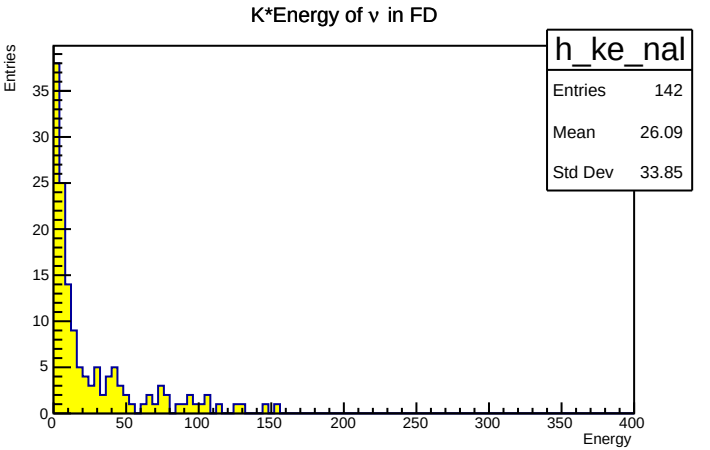

θx .vs. θy of ν1 in SHiP em
h_th_neu1ain
Entries 70
Mean x −0.0003505
Mean y −0.0002739
Std Dev x 0.004847
Std Dev y 0.005151
θy
θx

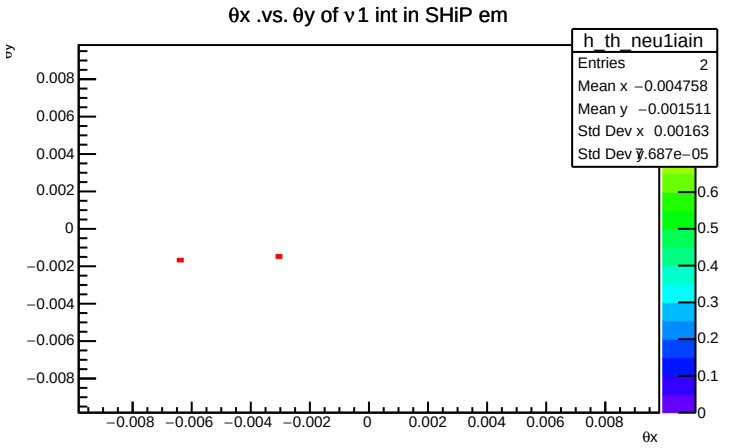

θx .vs. θy of ν2 in SHiP em
h_th_neu2ain
Entries 72
Mean x −0.0004916
Mean y 0.0001053
Std Dev x 0.005662
Std Dev y 0.005555
θy
θx

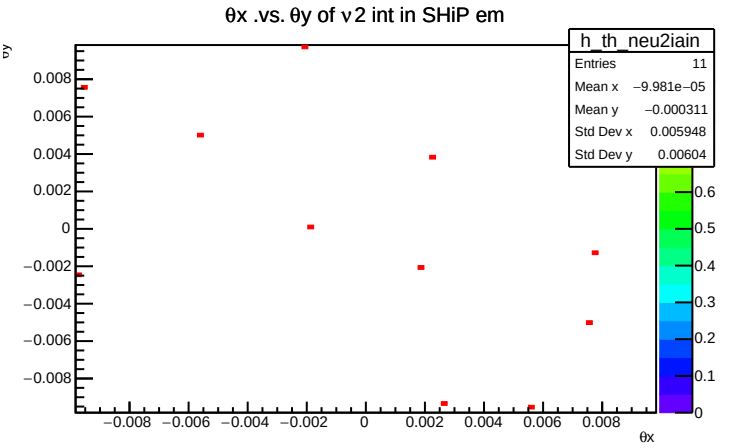

K*Energy of ν1 in FD
h_ke_n1
Entries 70
Mean 5.437
Std Dev 4.54
Entries
Energy

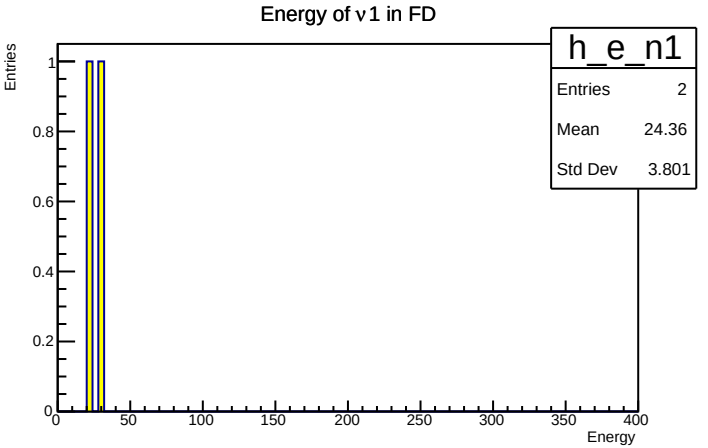

K*Energy of ν2 in FD
h_ke_n2
Entries 72
Mean 46.17
Std Dev 37.71
Entries
Energy

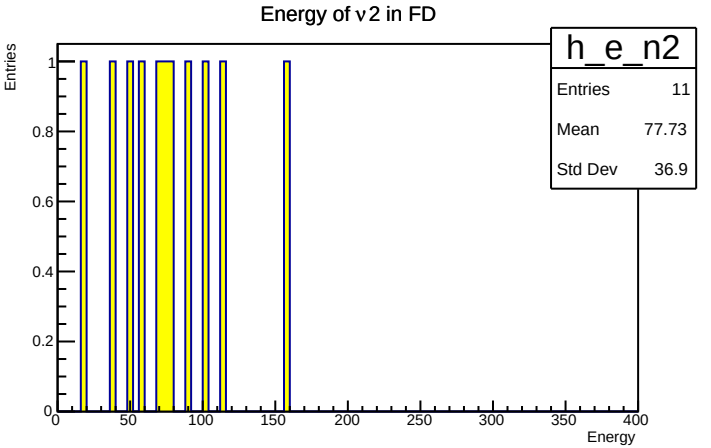

θx .vs. θy of ν in SHiP em
h_th_neuaain
Entries 142
Mean x −0.000422
Mean y −8.161e−05
Std Dev x 0.005276
Std Dev y 0.005363
θy
θx

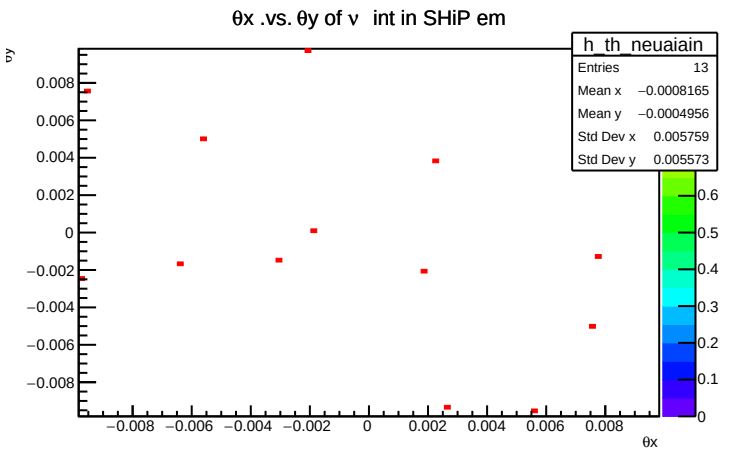

K*Energy of ν in FD
h_ke_nal
Entries 142
Mean 26.09
Std Dev 33.85
Entries
Energy

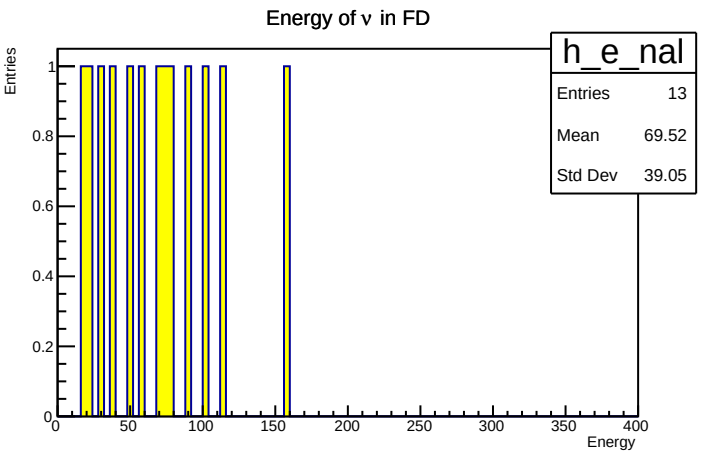

θx .vs. θy of ν1 int in SHiP em
h_th_neu1iain
Entries 2
Mean x −0.004758
Mean y −0.001511
Std Dev x 0.00163
Std Dev y 7.687e−05
θy
θx

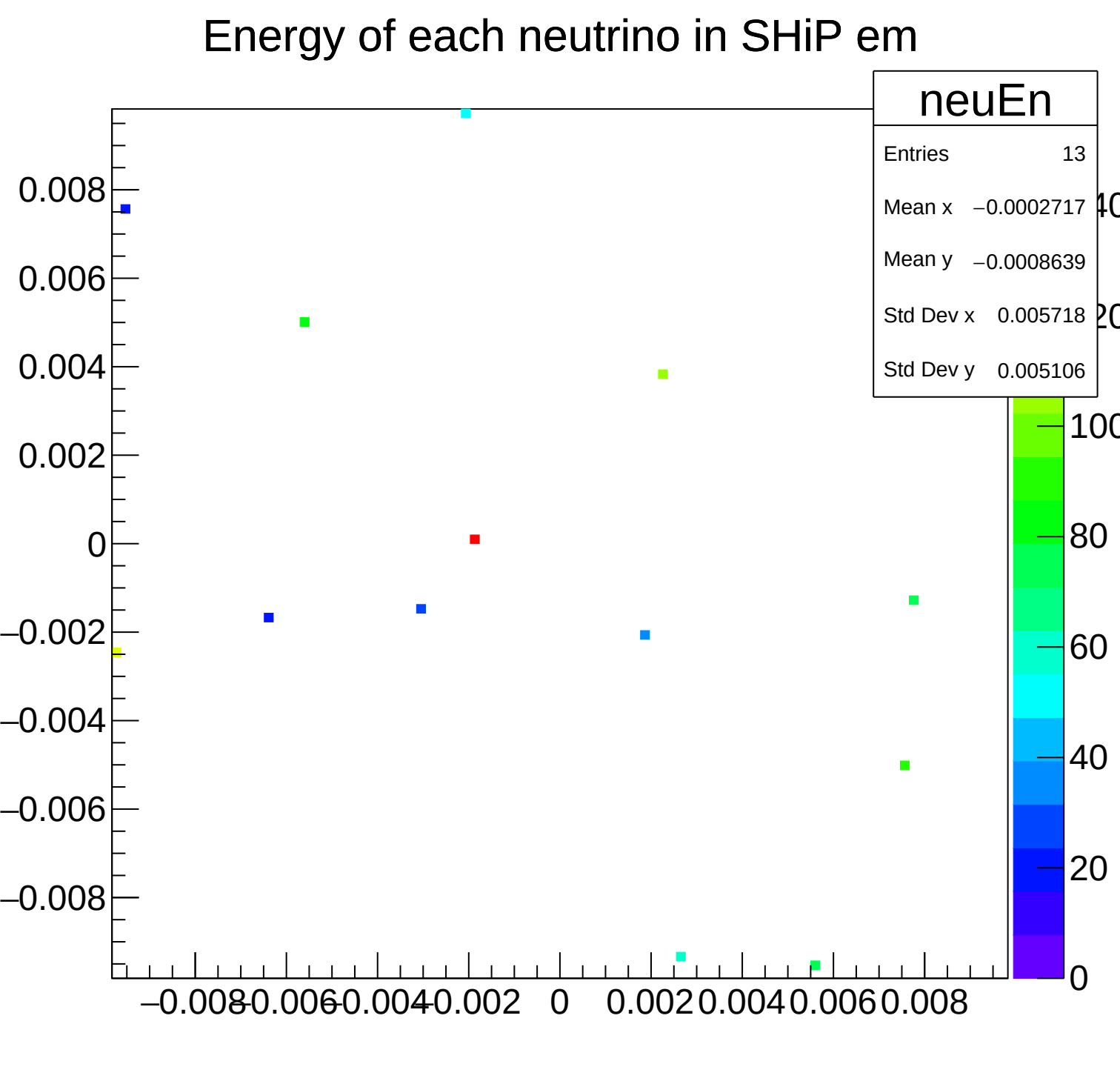

θx .vs. θy of ν2 int in SHiP em
h_th_neu2iain
Entries 11
Mean x −9.981e−05
Mean y −0.000311
Std Dev x 0.005948
Std Dev y 0.00604
θy
θx


Energy of ν1 in FD
h_e_n1
Entries 2
Mean 24.36
Std Dev 3.801
Entries
Energy


Energy of ν2 in FD
h_e_n2
Entries 11
Mean 77.73
Std Dev 36.9
Entries
Energy


θx .vs. θy of ν int in SHiP em
h_th_neuaiain
Entries 13
Mean x −0.0008165
Mean y −0.0004956
Std Dev x 0.005759
Std Dev y 0.005573
θy
θx


Energy of ν in FD
h_e_nal
Entries 13
Mean 69.52
Std Dev 39.05
Entries
Energy


Energy of each neutrino in SHiP em
neuEn
Entries 13
Mean x −0.0002717
Mean y −0.0008639
Std Dev x 0.005718
Std Dev y 0.005106
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.008 −0.006 −0.004 −0.002 0 0.002 0.004 0.006 0.008
100
80
60
40
20
0