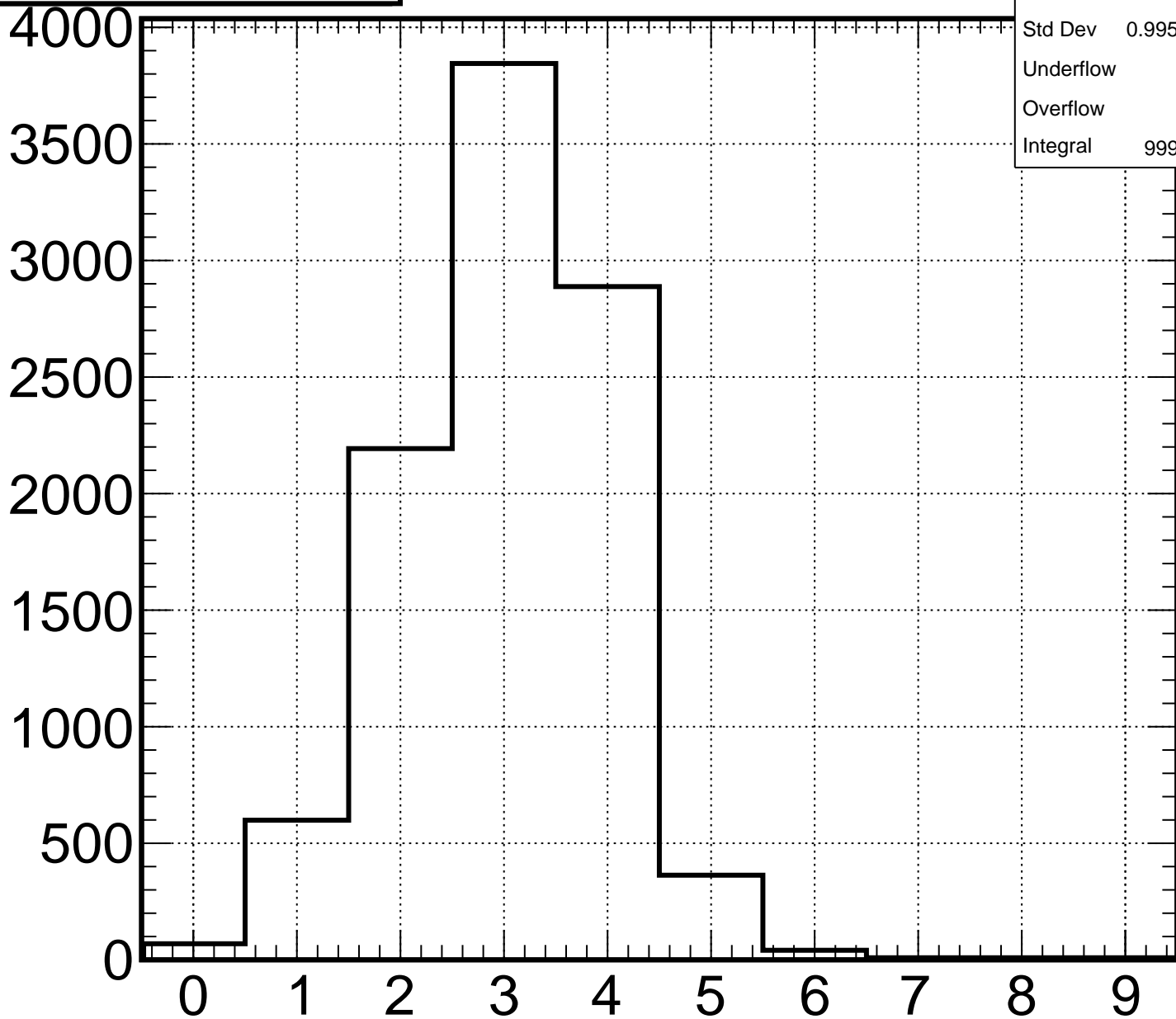


h_NgoodJets

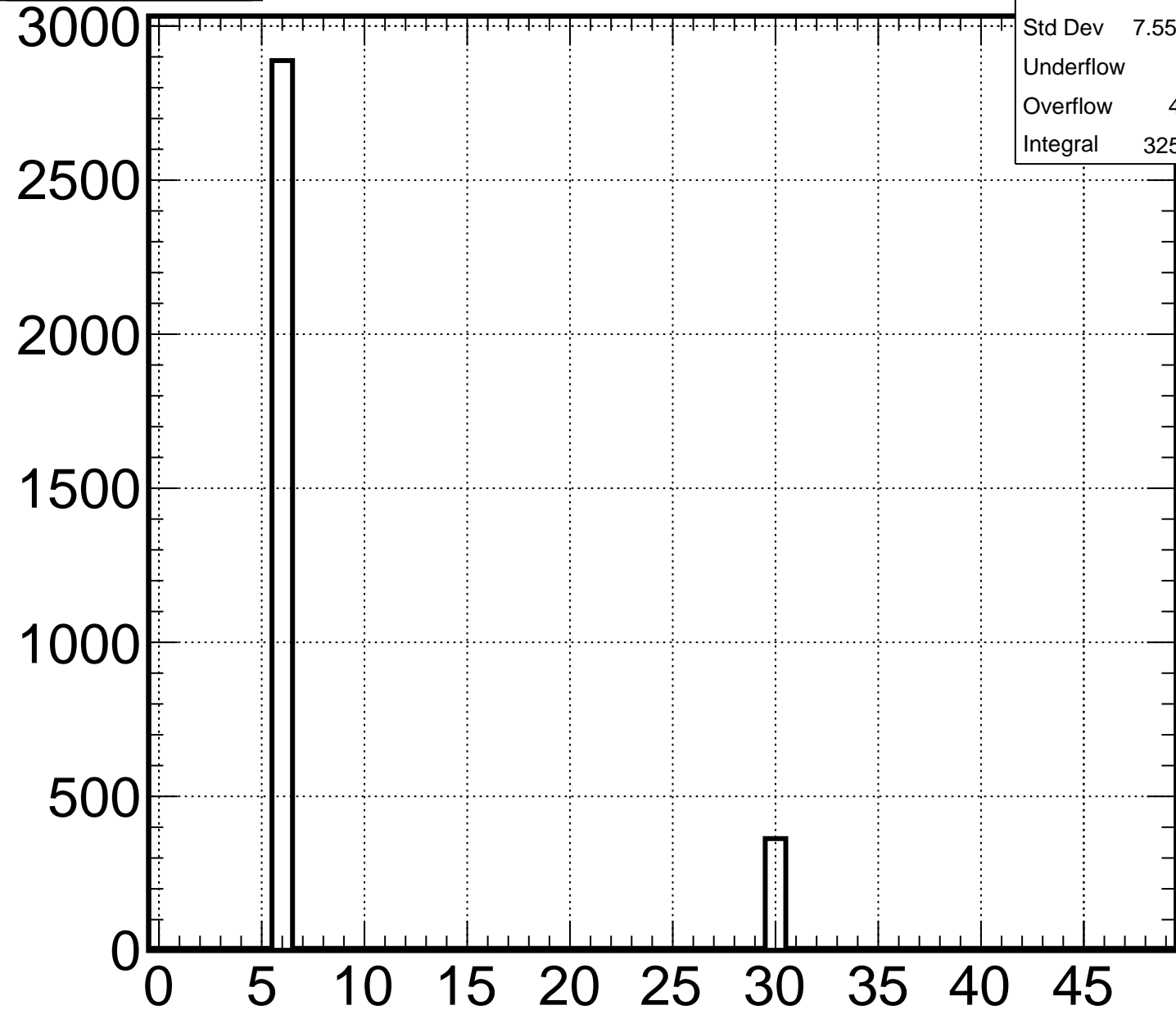
h_NgoodJets

Mean	3.014
Std Dev	0.9959
Underflow	0
Overflow	0
Integral	9998



h_Ncom

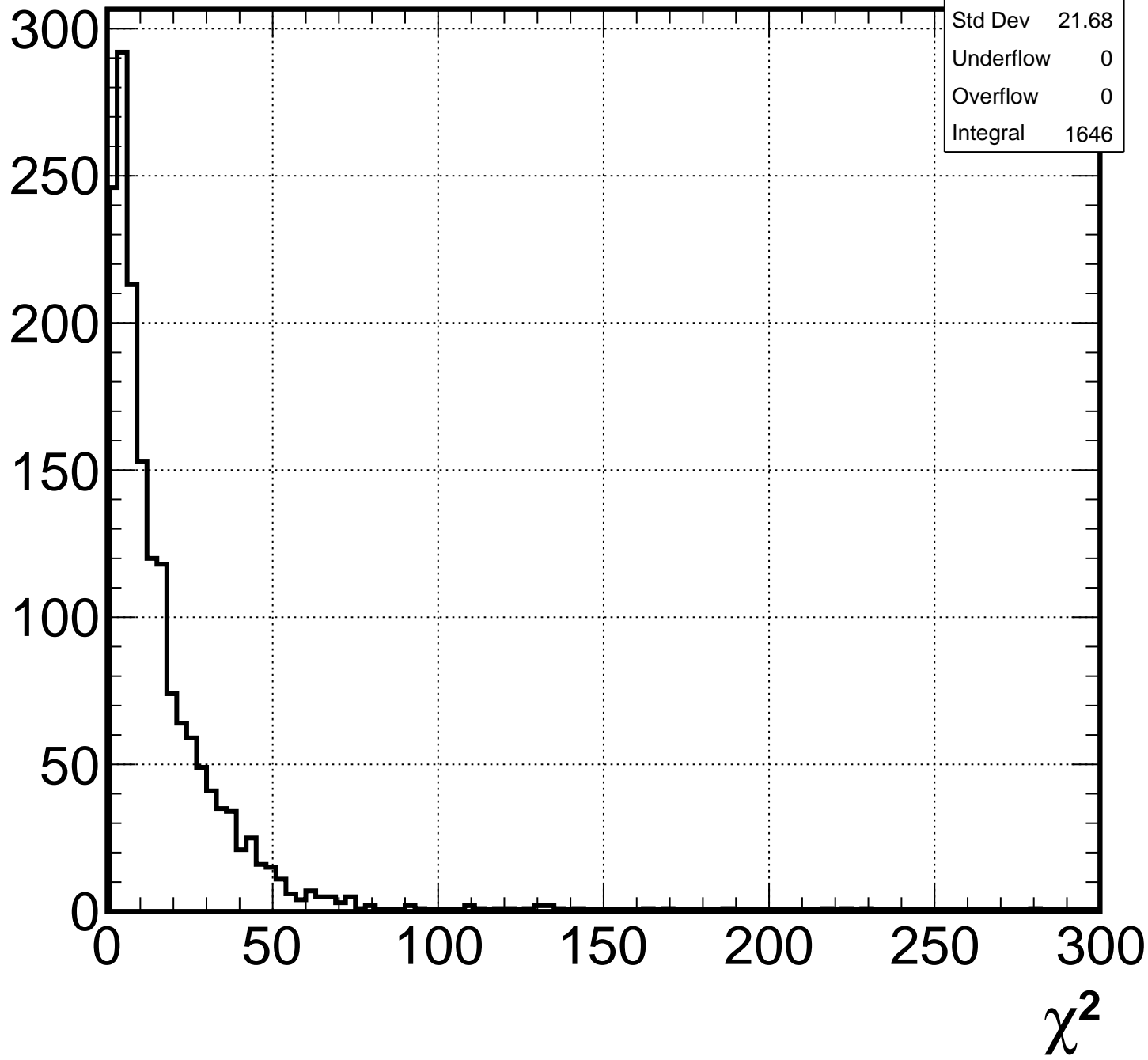
h_Ncom	
Mean	8.68
Std Dev	7.559
Underflow	0
Overflow	41
Integral	3251



h_x2_LT

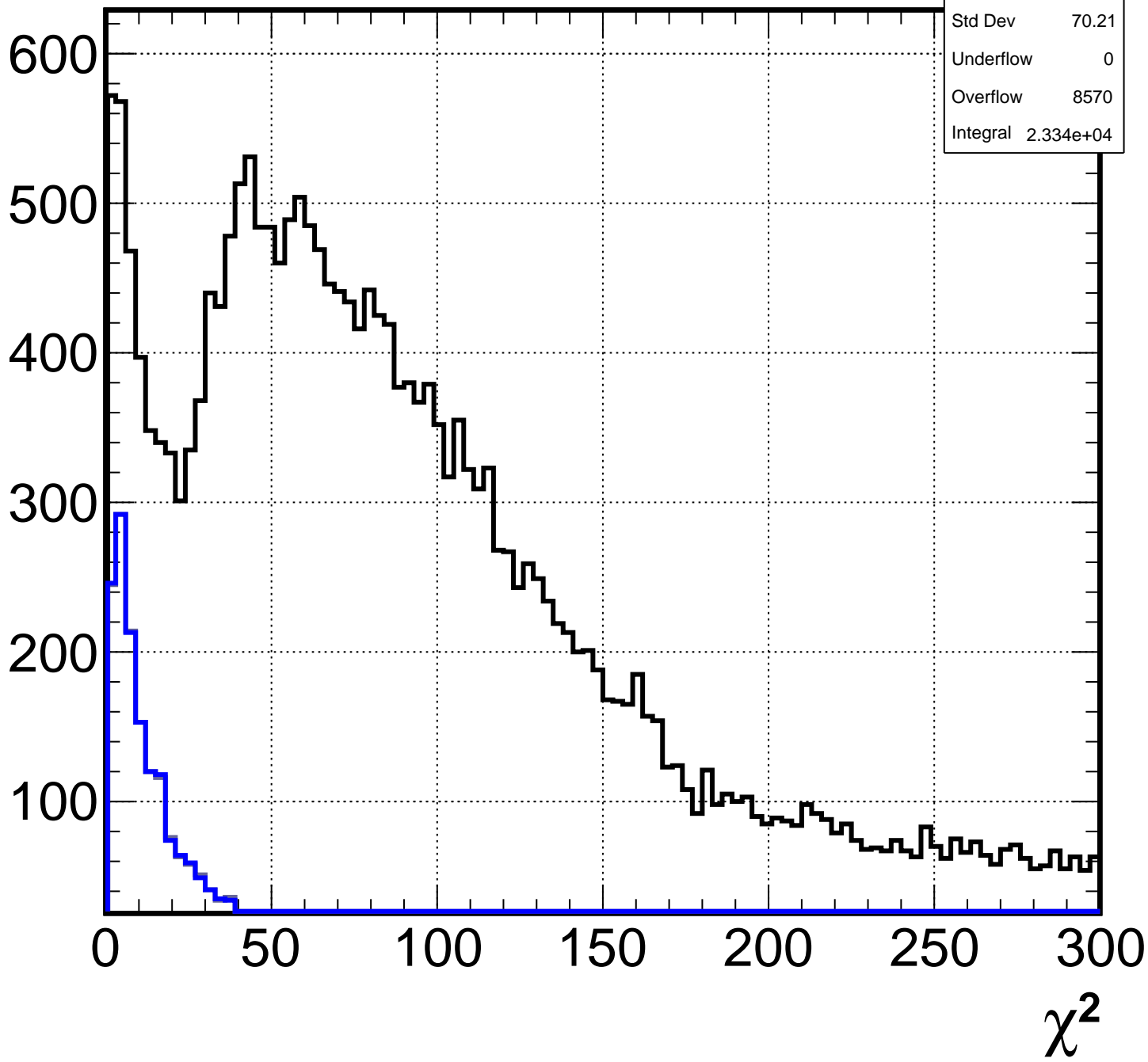
h_x2_LT

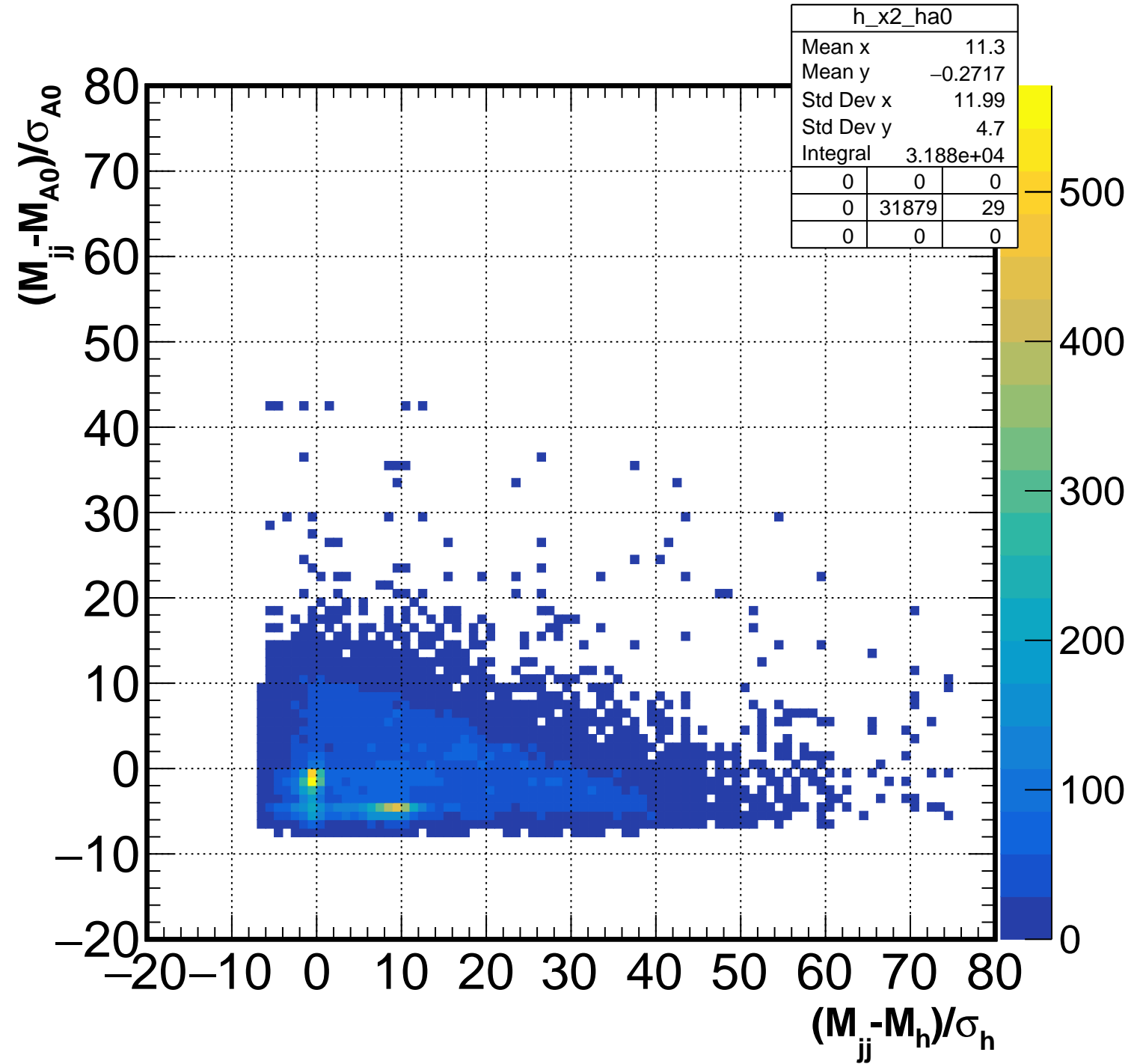
Mean	16.83
Std Dev	21.68
Underflow	0
Overflow	0
Integral	1646

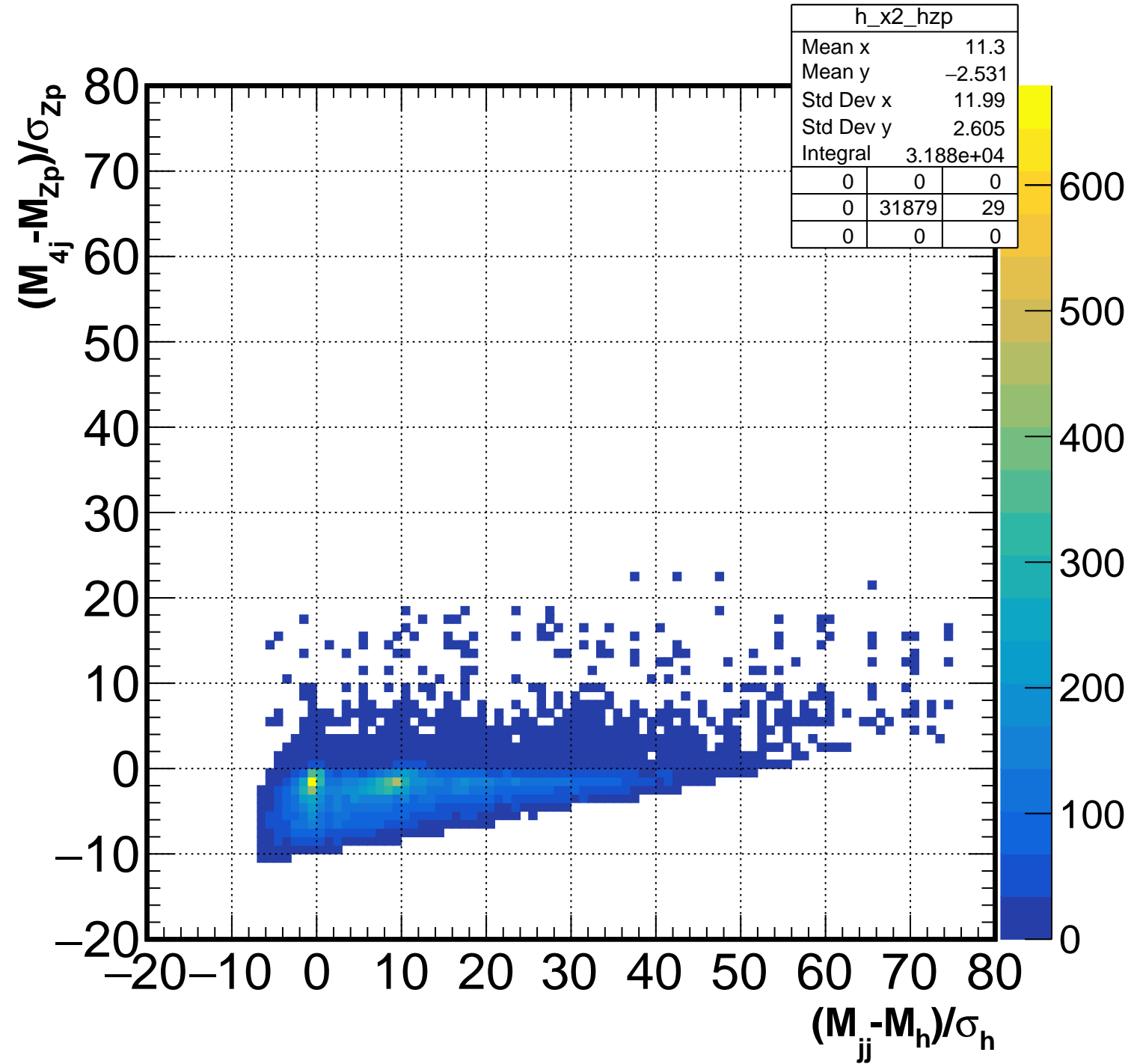


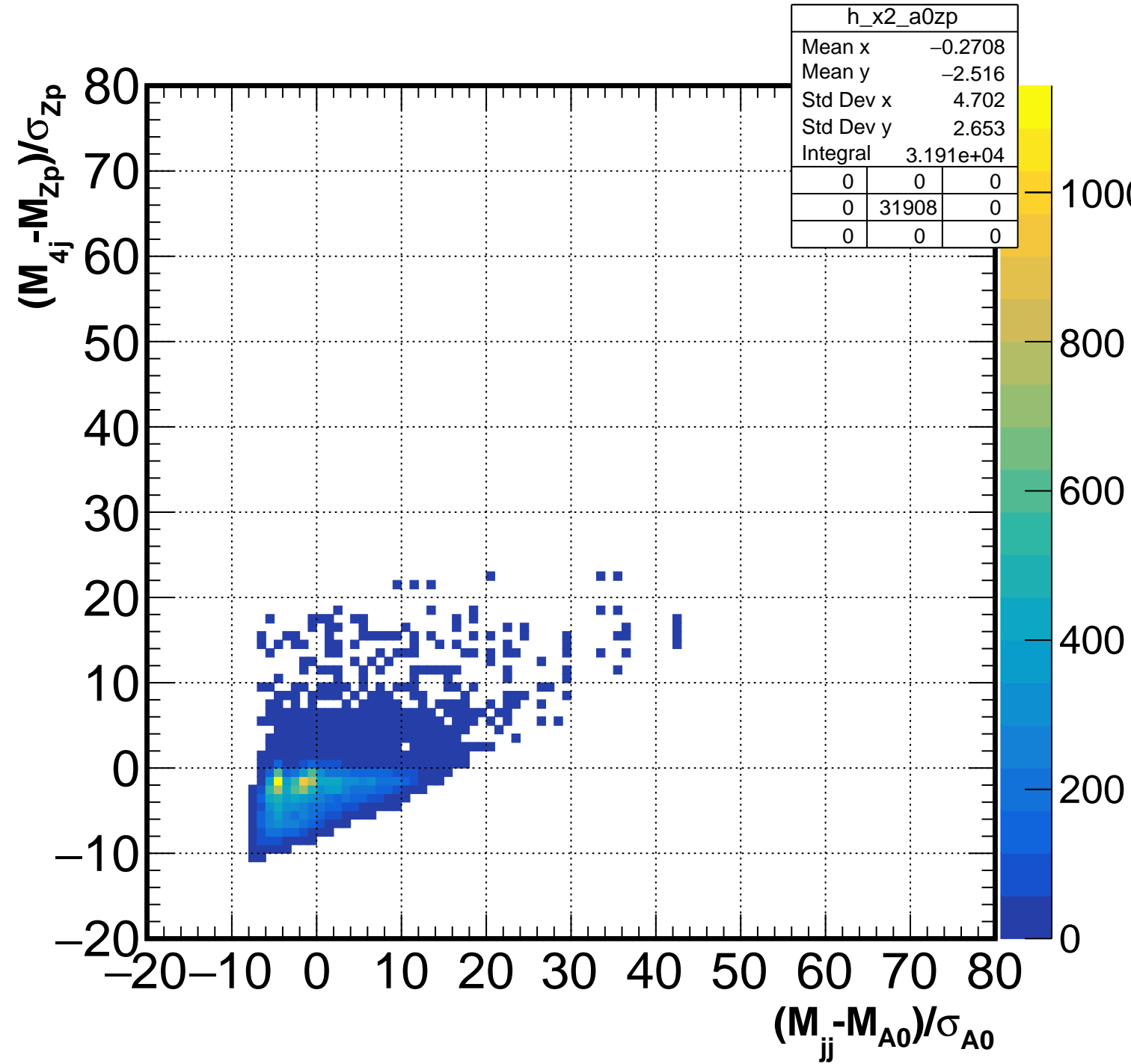
h_x2_all

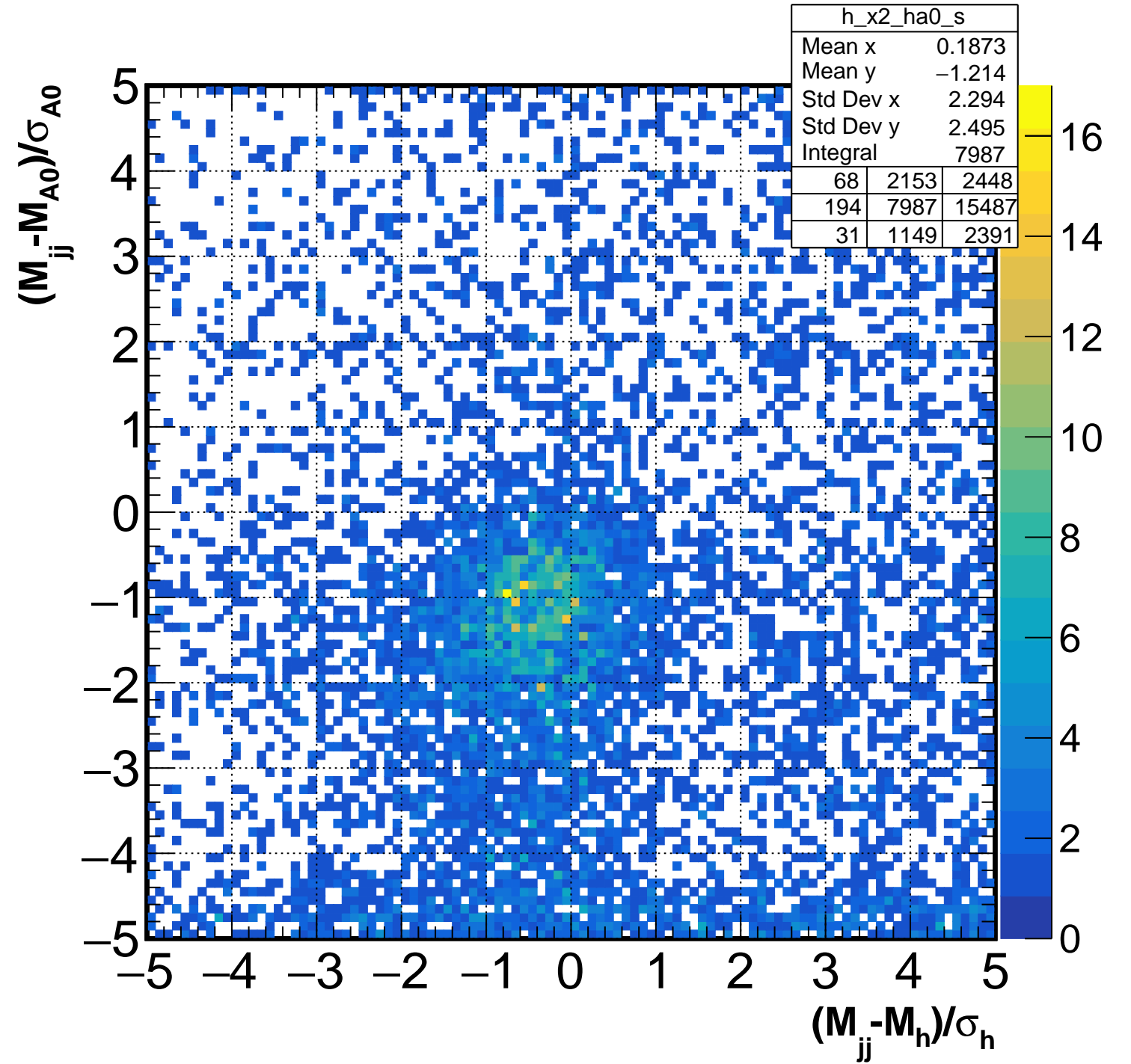
h_x2_all	
Mean	94.31
Std Dev	70.21
Underflow	0
Overflow	8570
Integral	2.334e+04

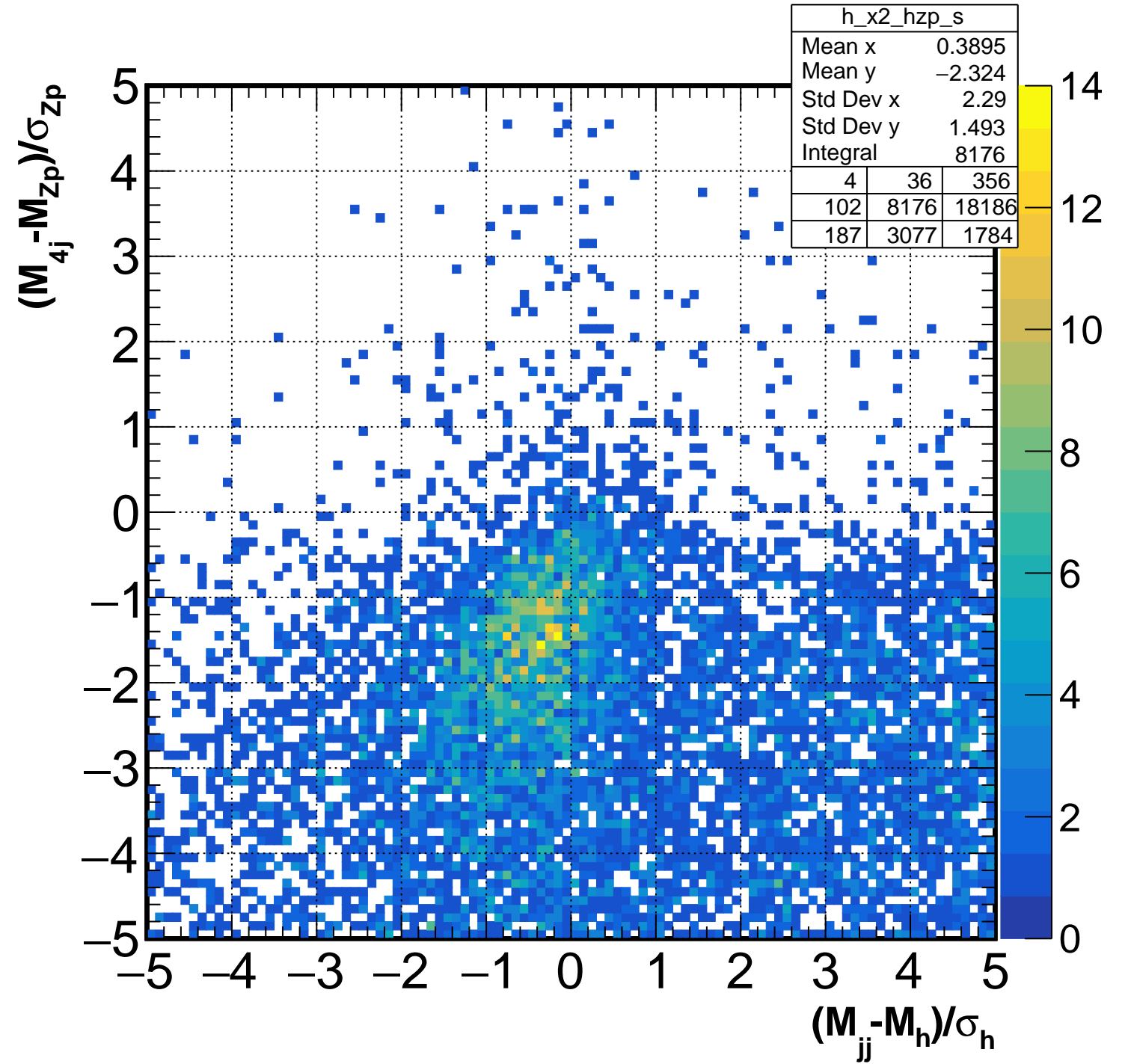


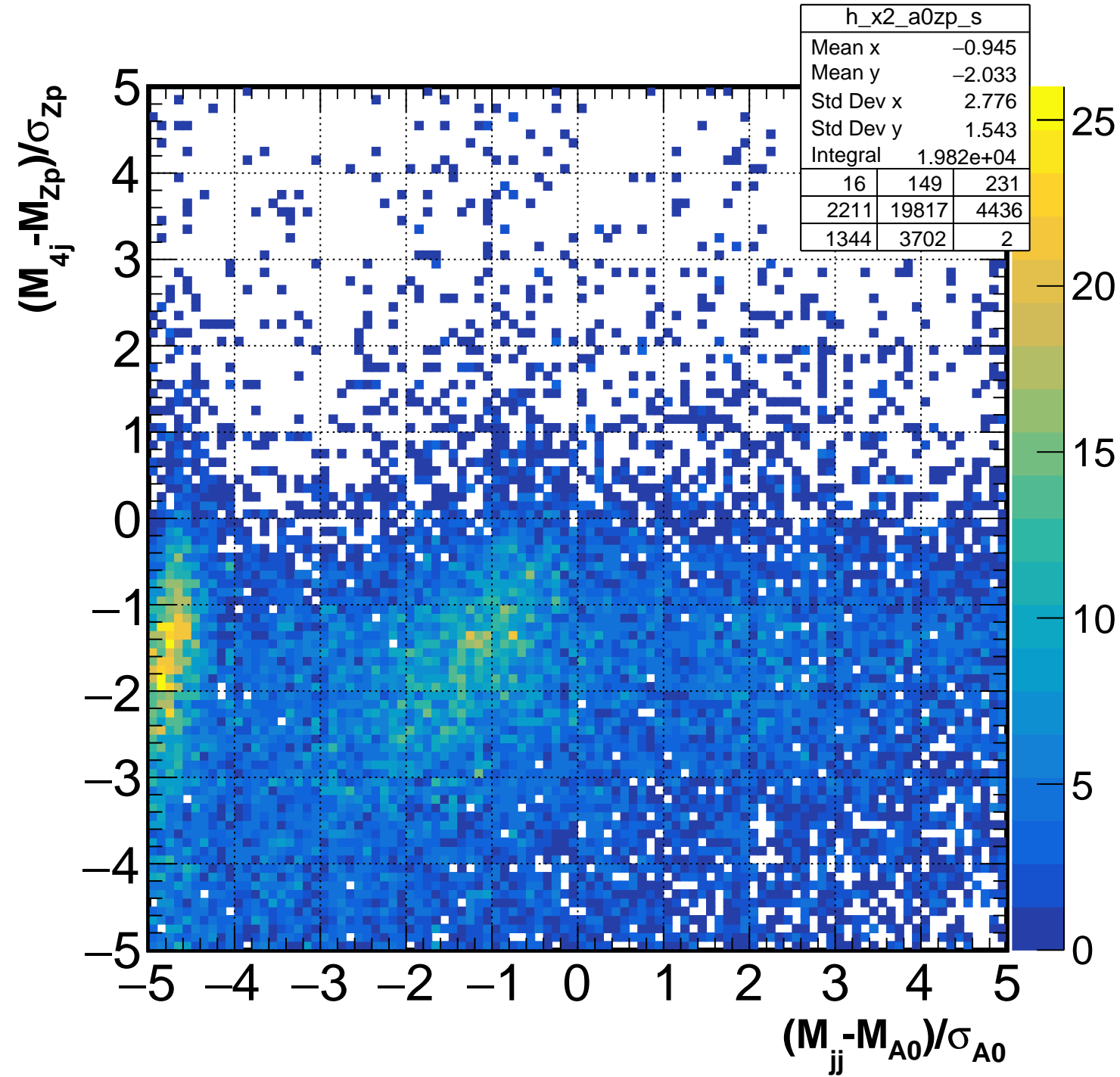


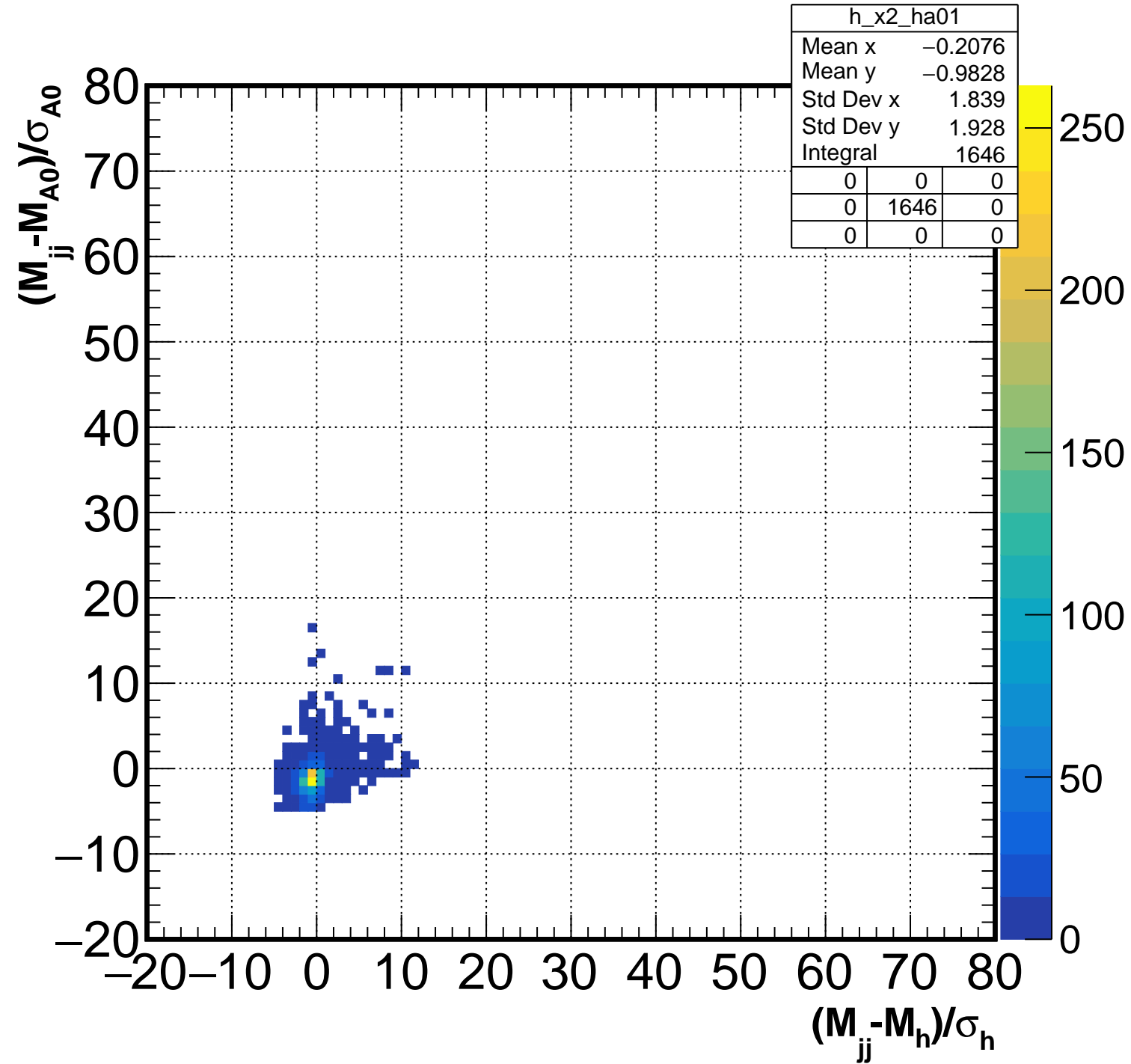


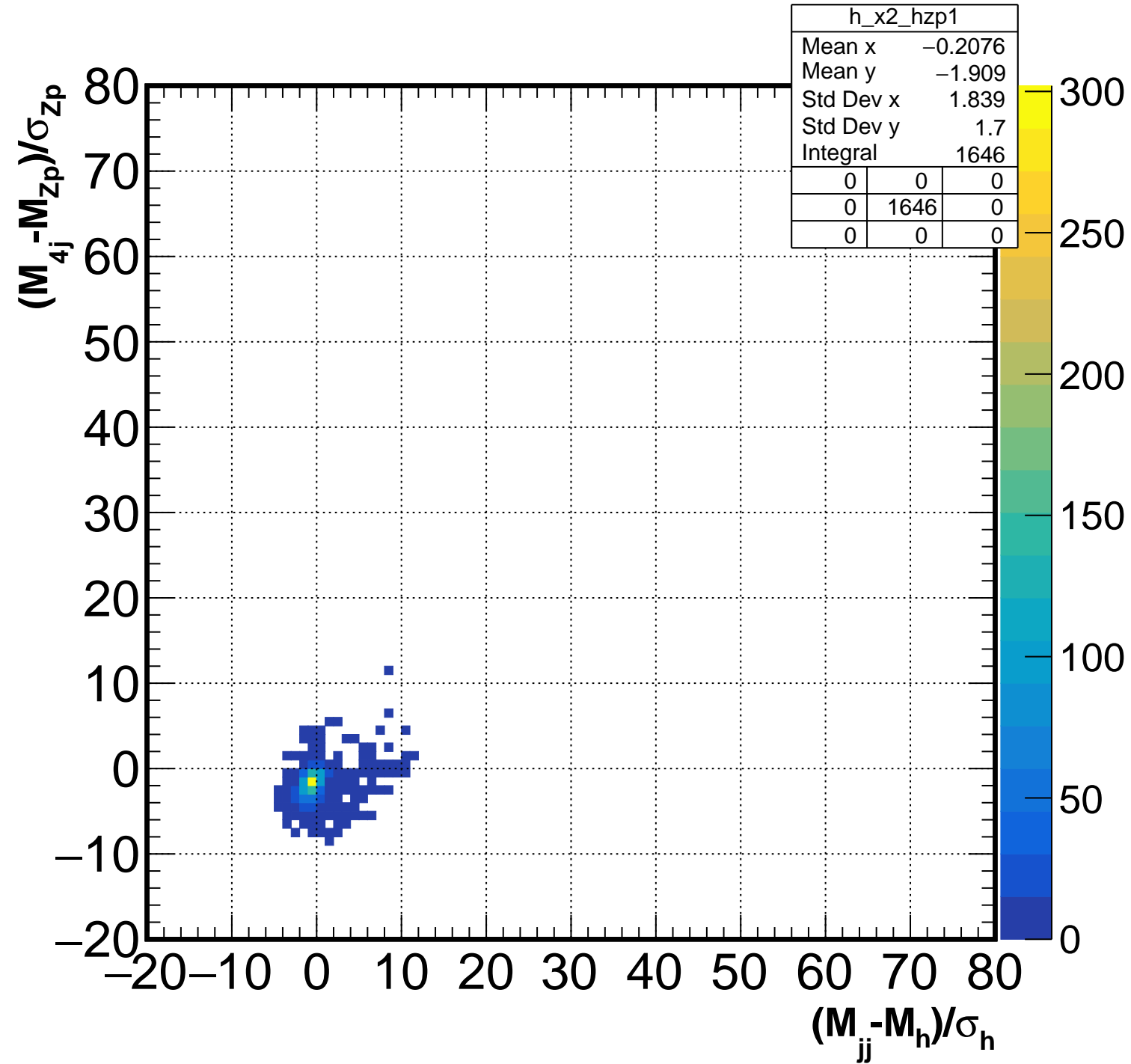


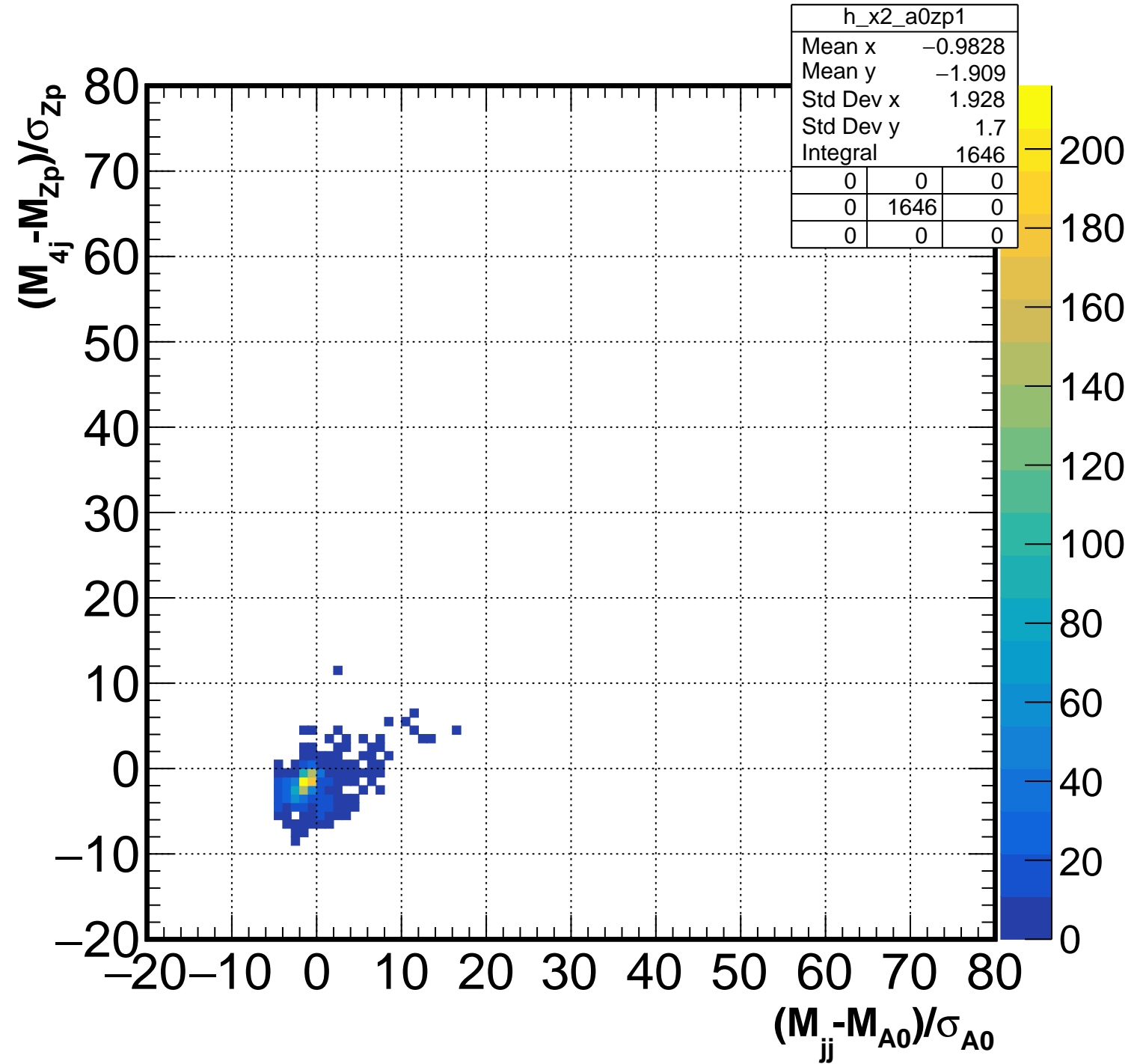


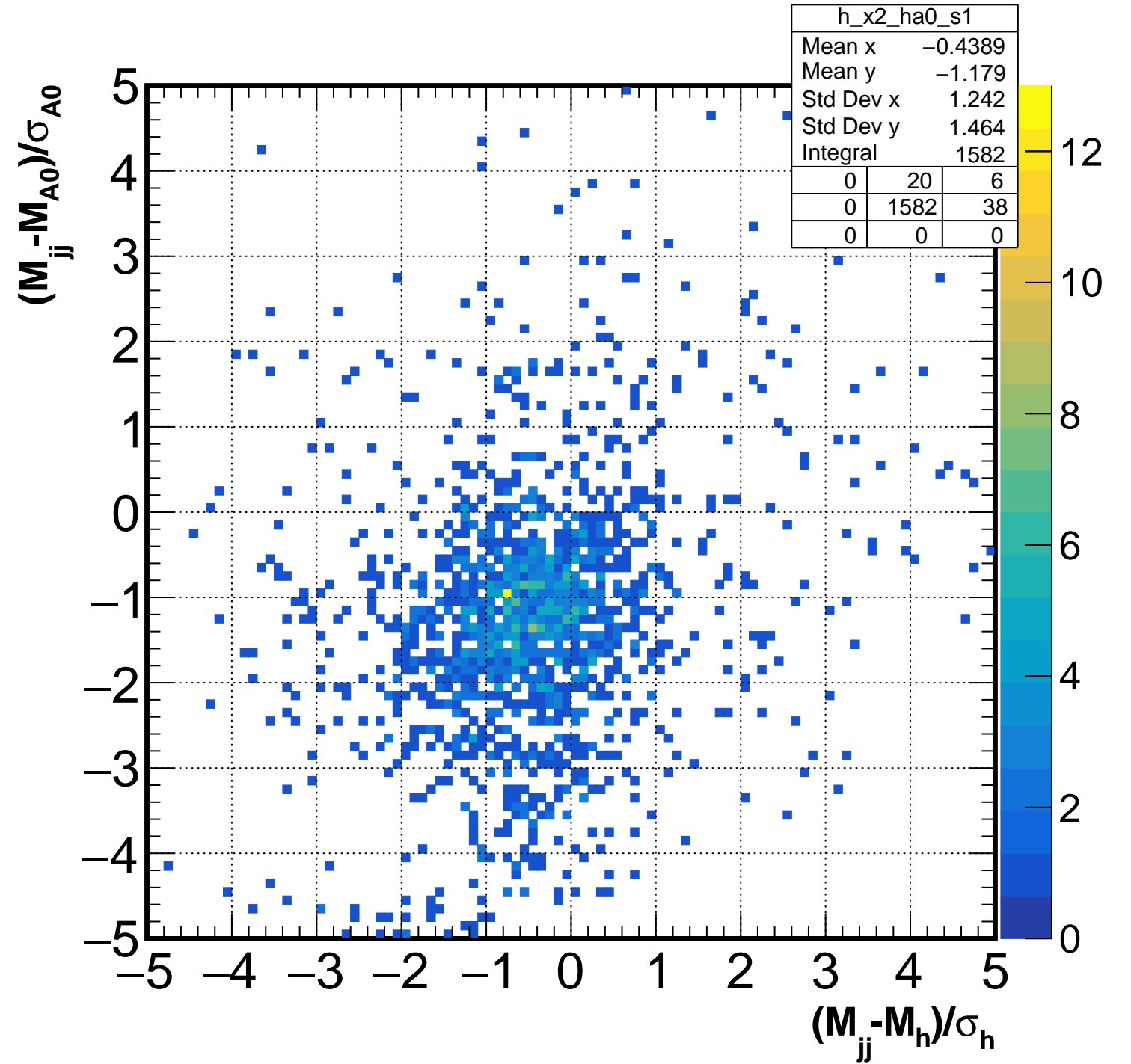


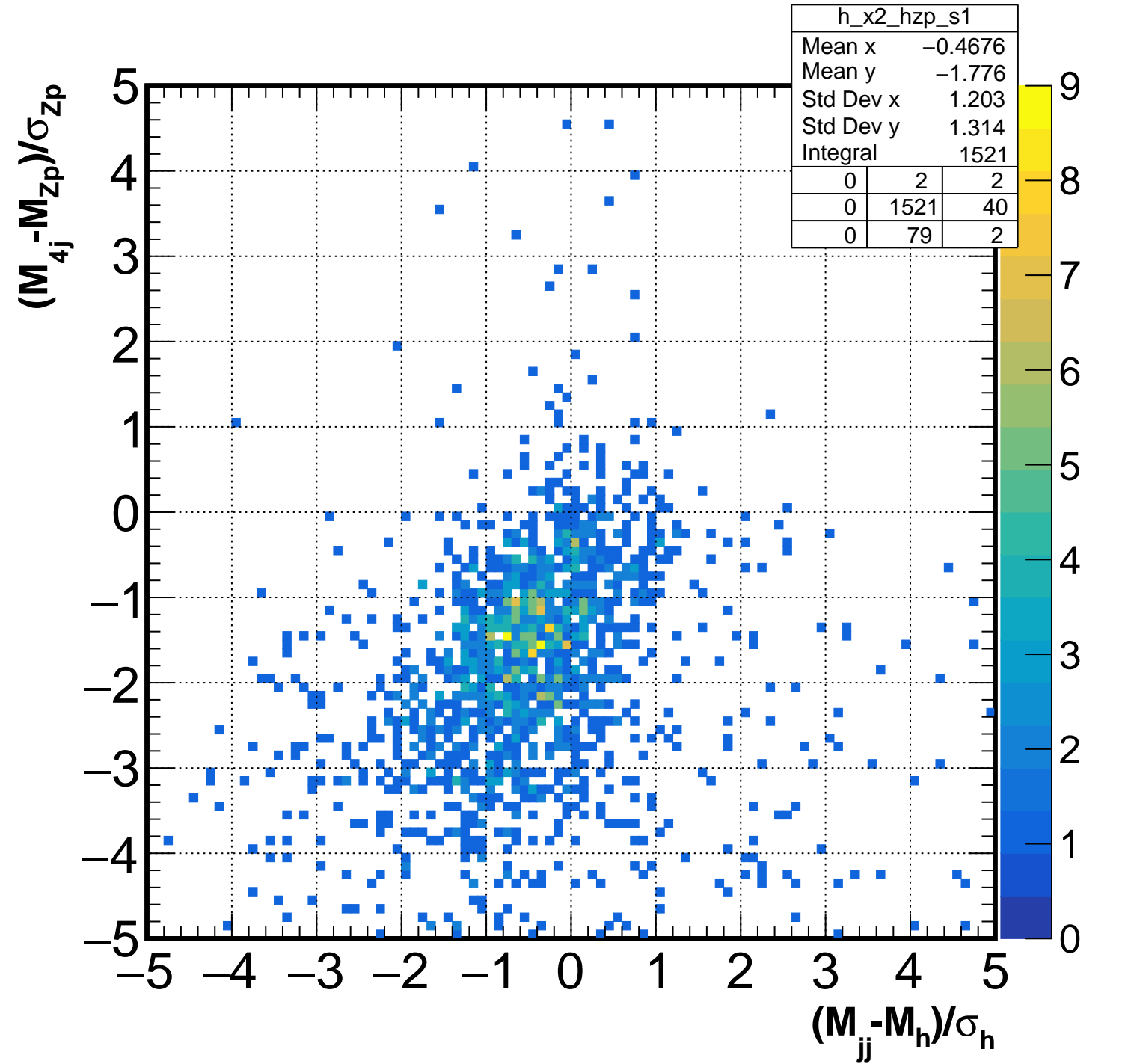


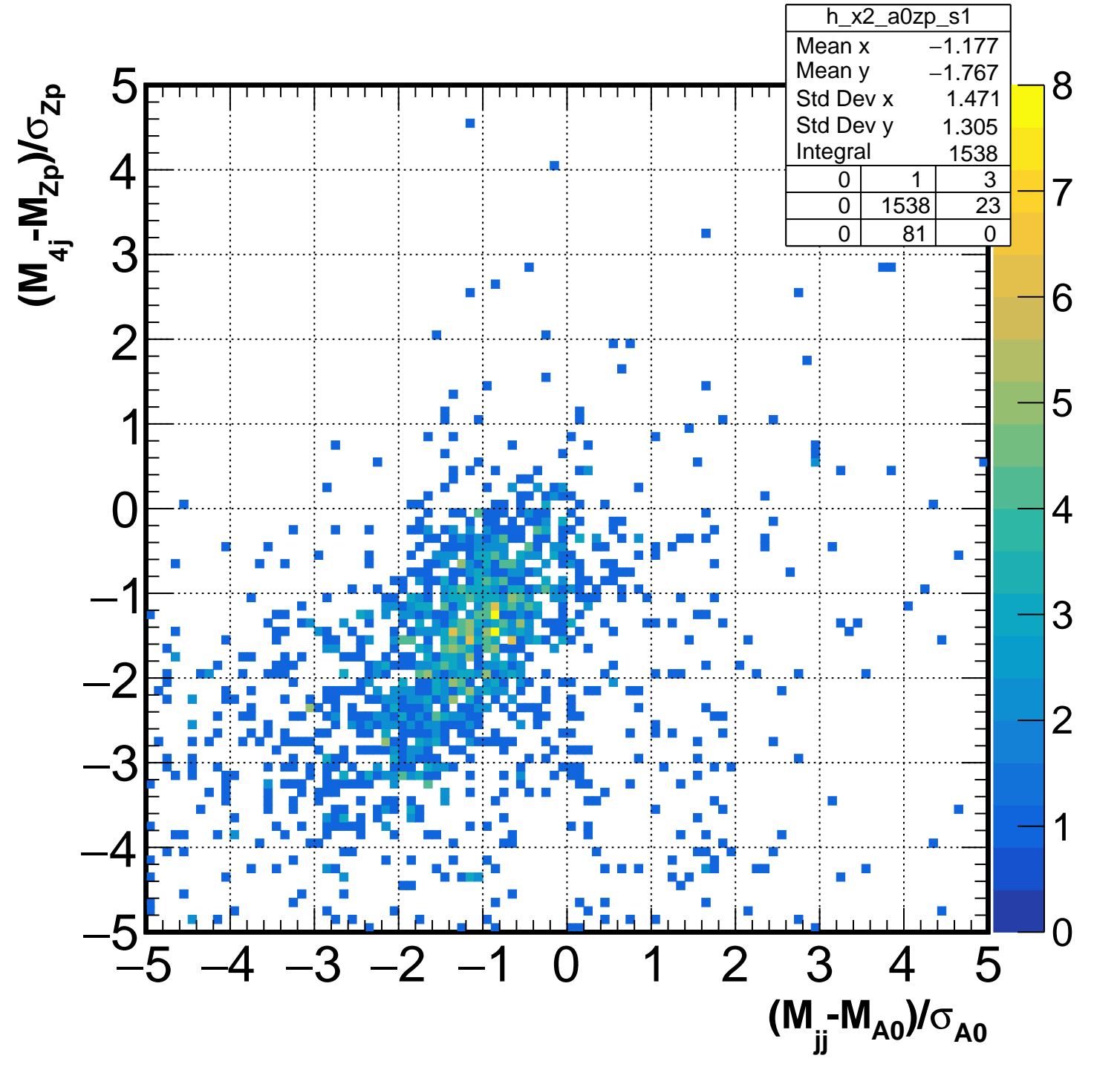




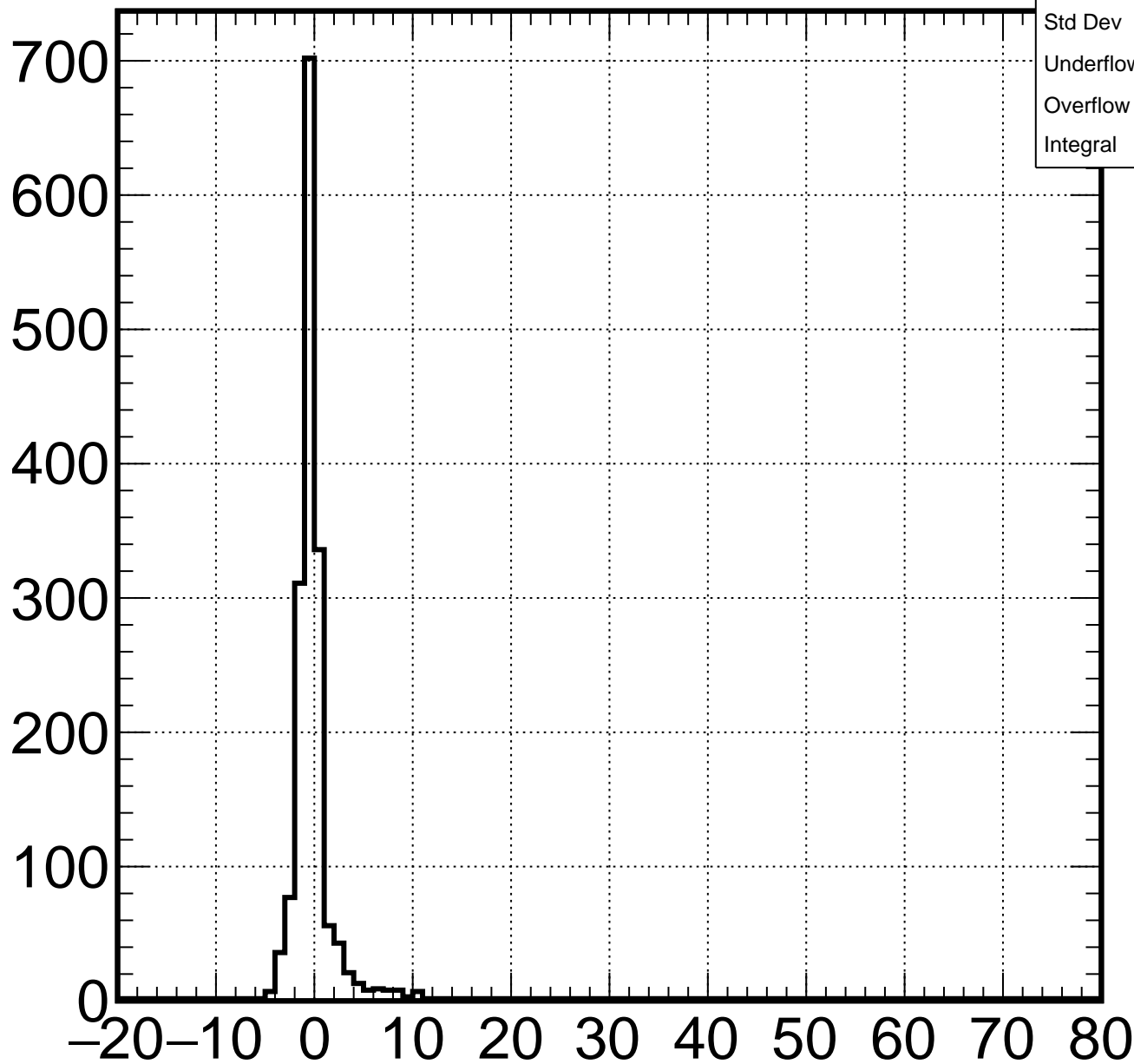






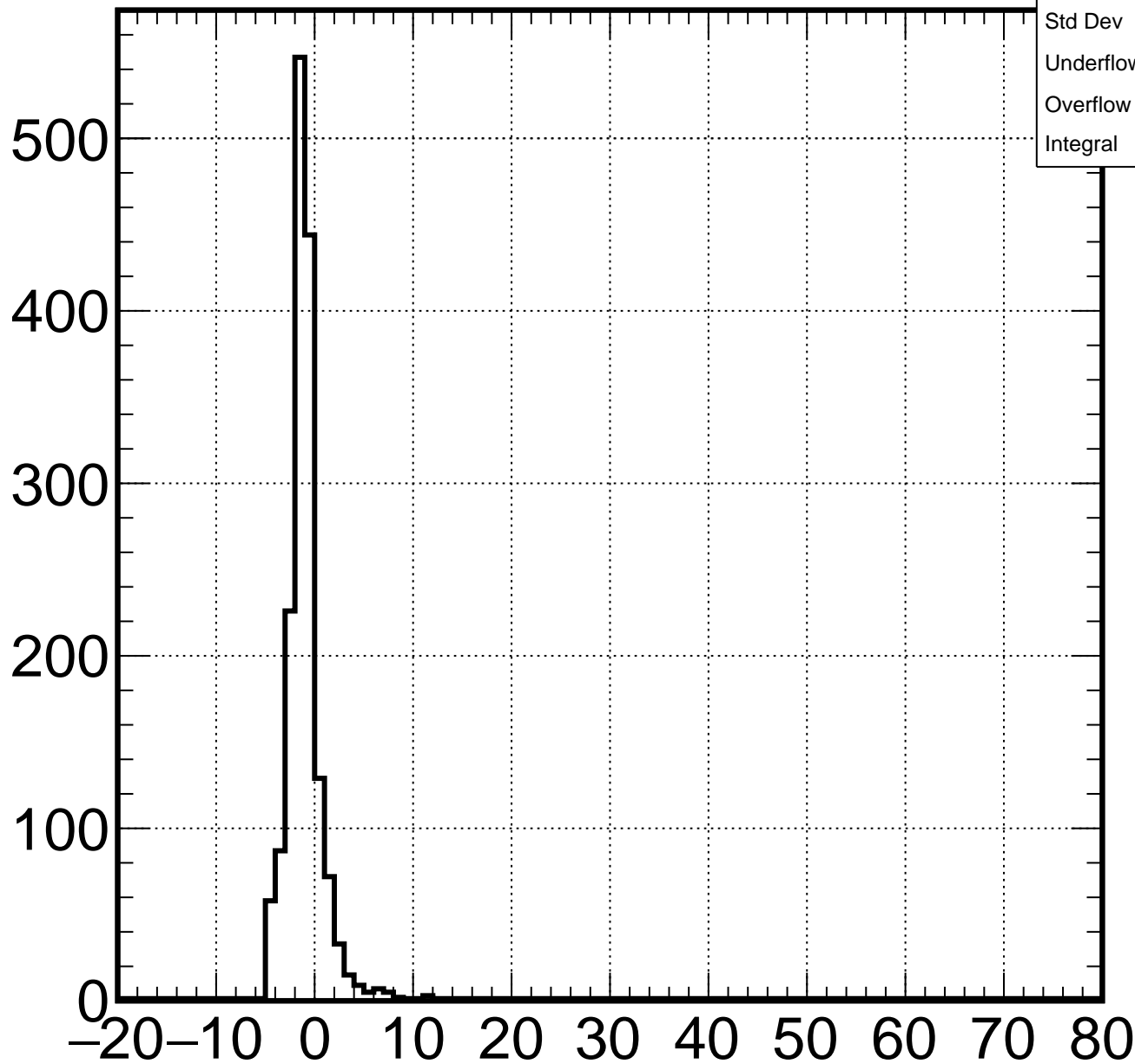


h_x2_h

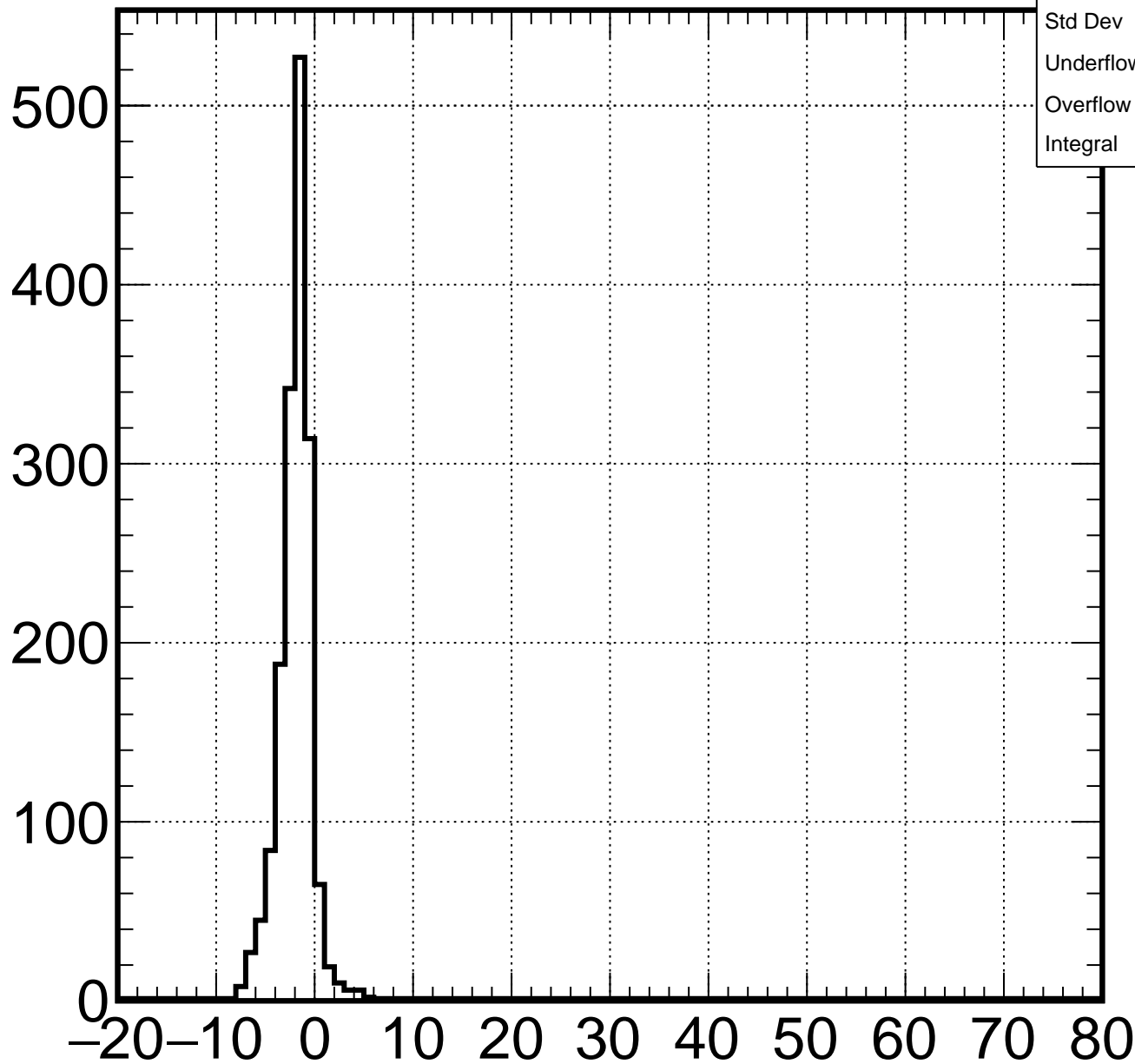


h_x2_h	
Mean	-0.2076
Std Dev	1.839
Underflow	0
Overflow	0
Integral	1646

h_x2_a0



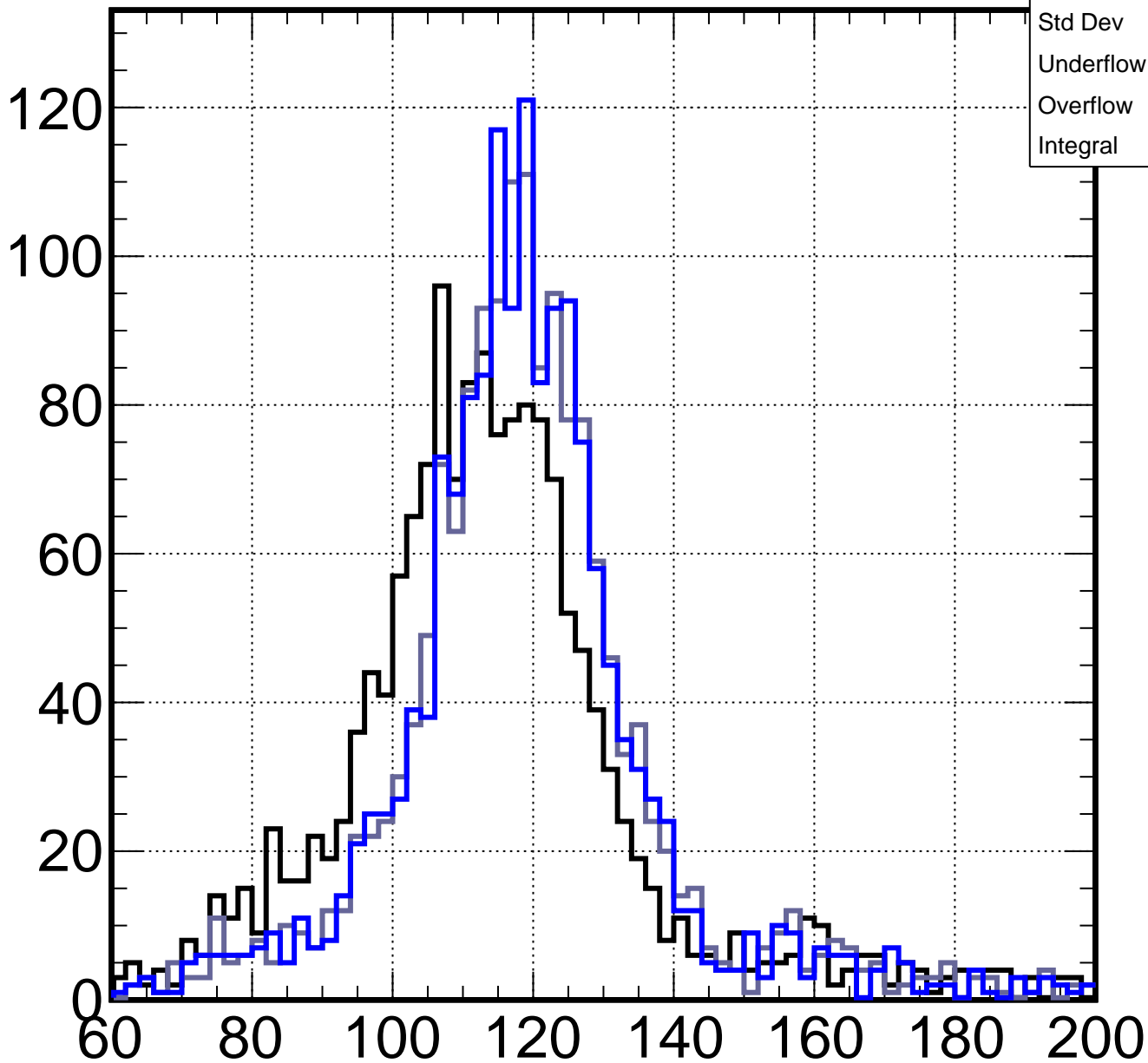
h_x2_zp



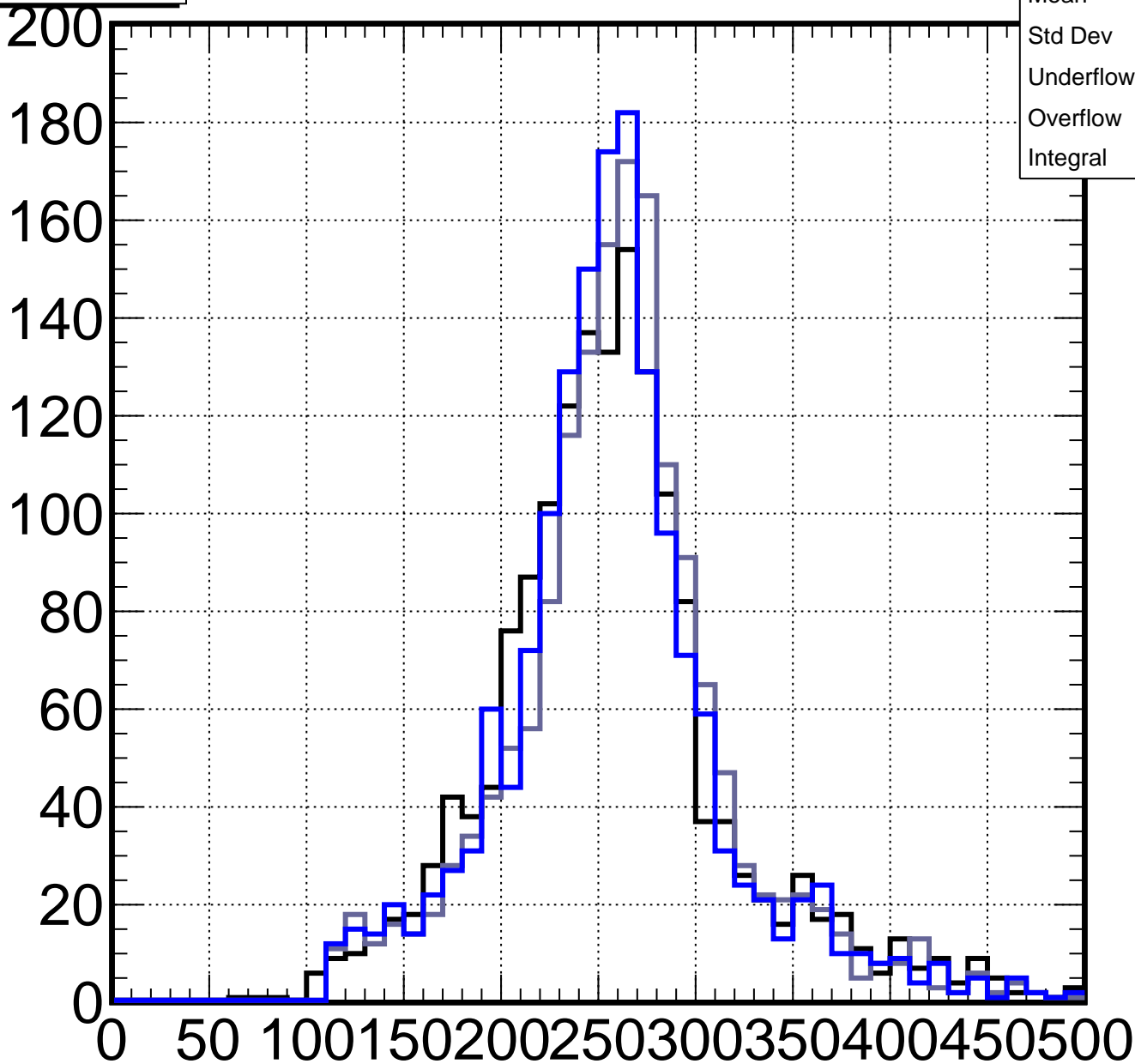
h_x2_zp	
Mean	-1.909
Std Dev	1.7
Underflow	0
Overflow	0
Integral	1646

h_higgsM

h_higgsM	
Mean	114.2
Std Dev	20.93
Underflow	4
Overflow	40
Integral	1602



h_A0M

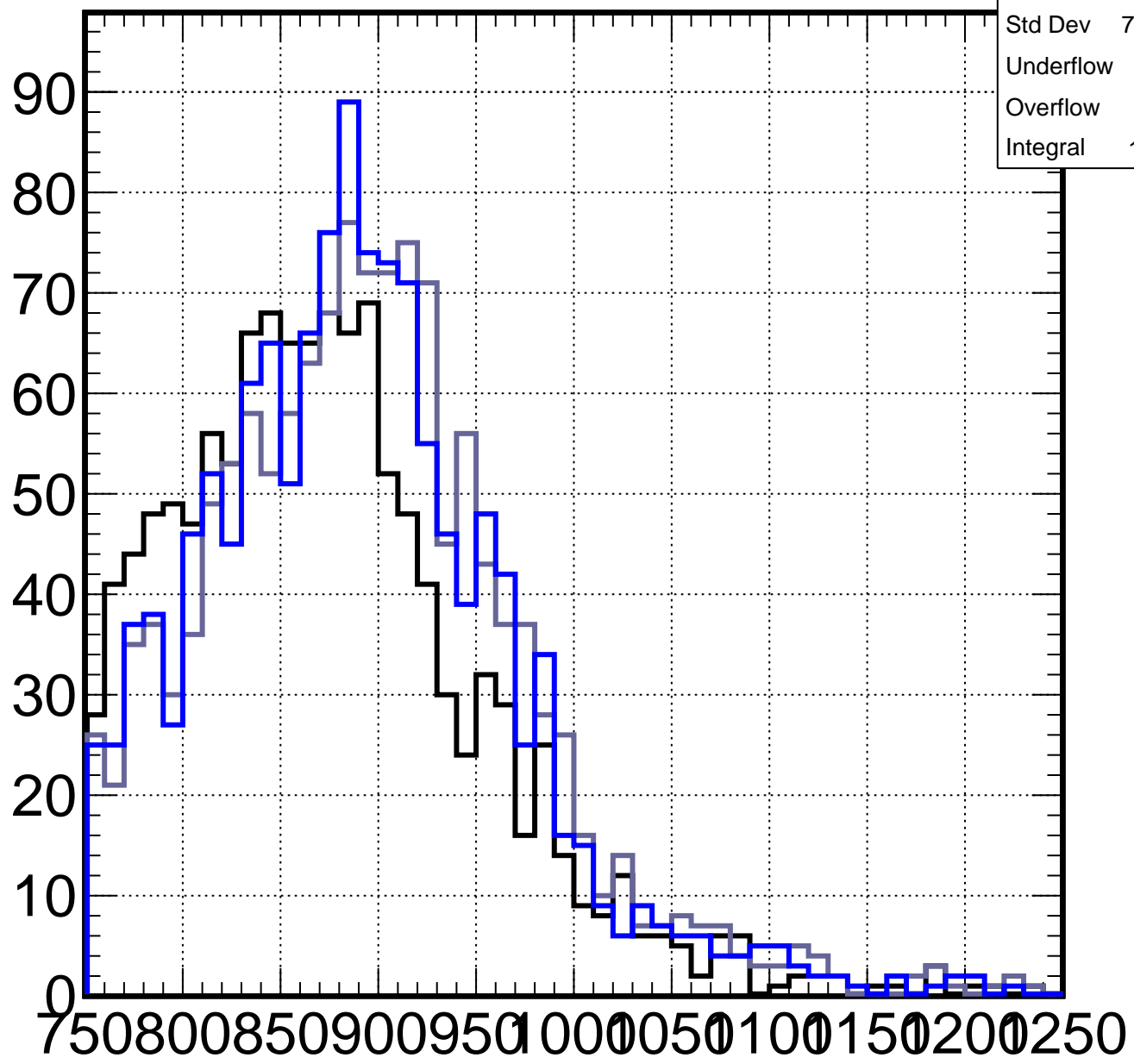


h_a0M

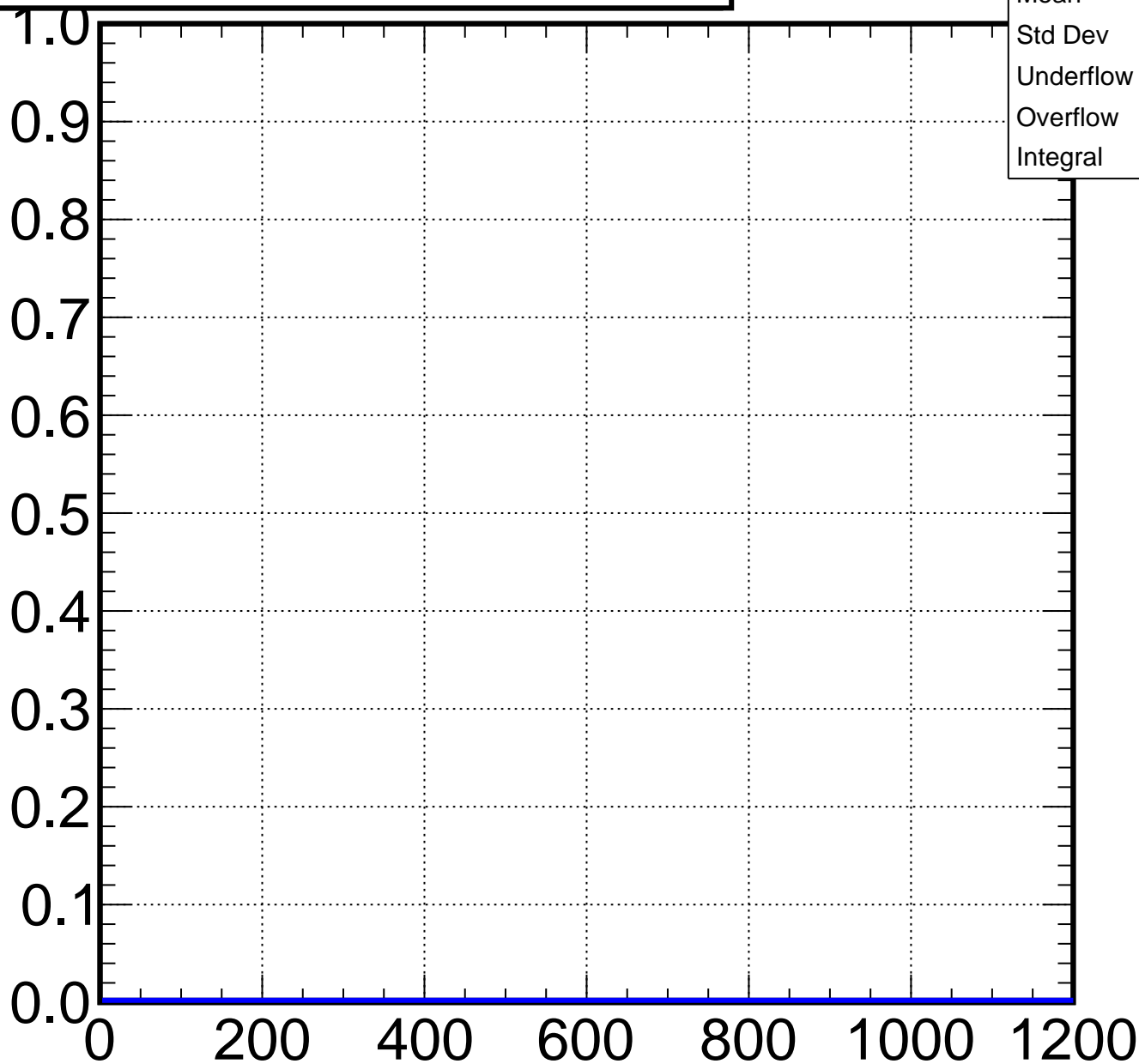
Mean	257.4
Std Dev	61.61
Underflow	0
Overflow	23
Integral	1623

h_ZpM

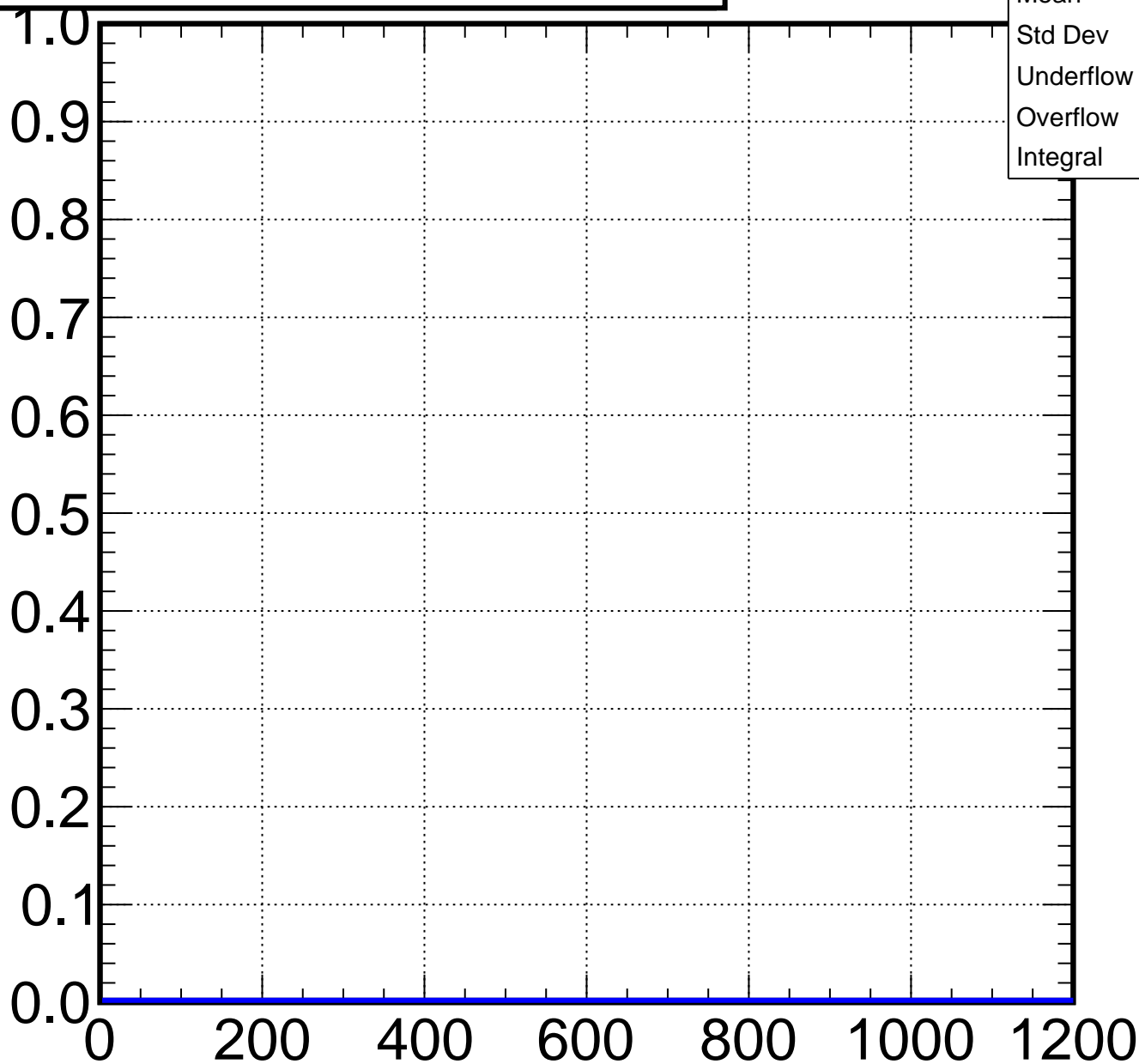
h_ZpM	
Mean	875
Std Dev	77.28
Underflow	408
Overflow	19
Integral	1219



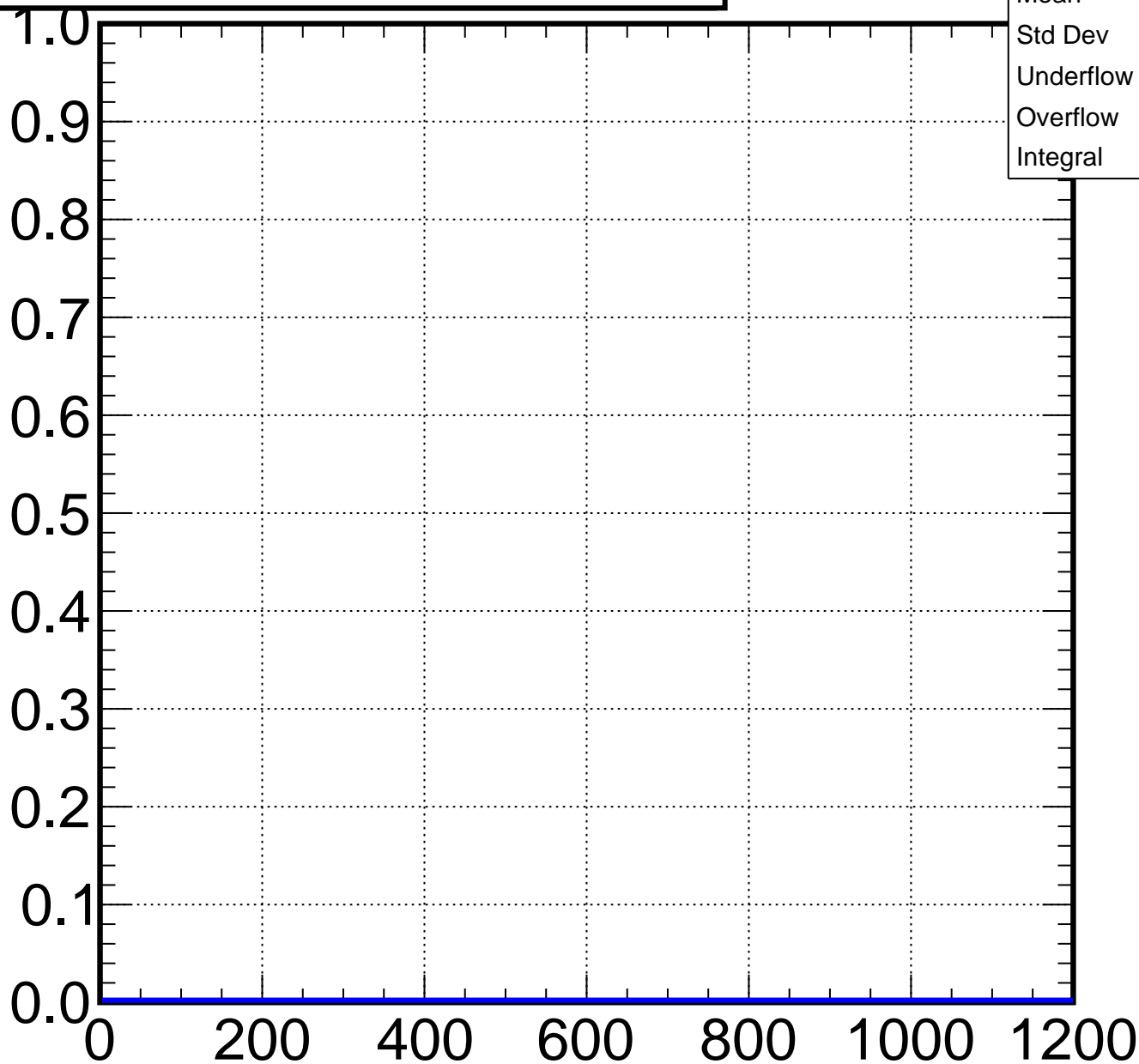
h_HA0rawPt_comparison



h_HA0PtSW_comparison

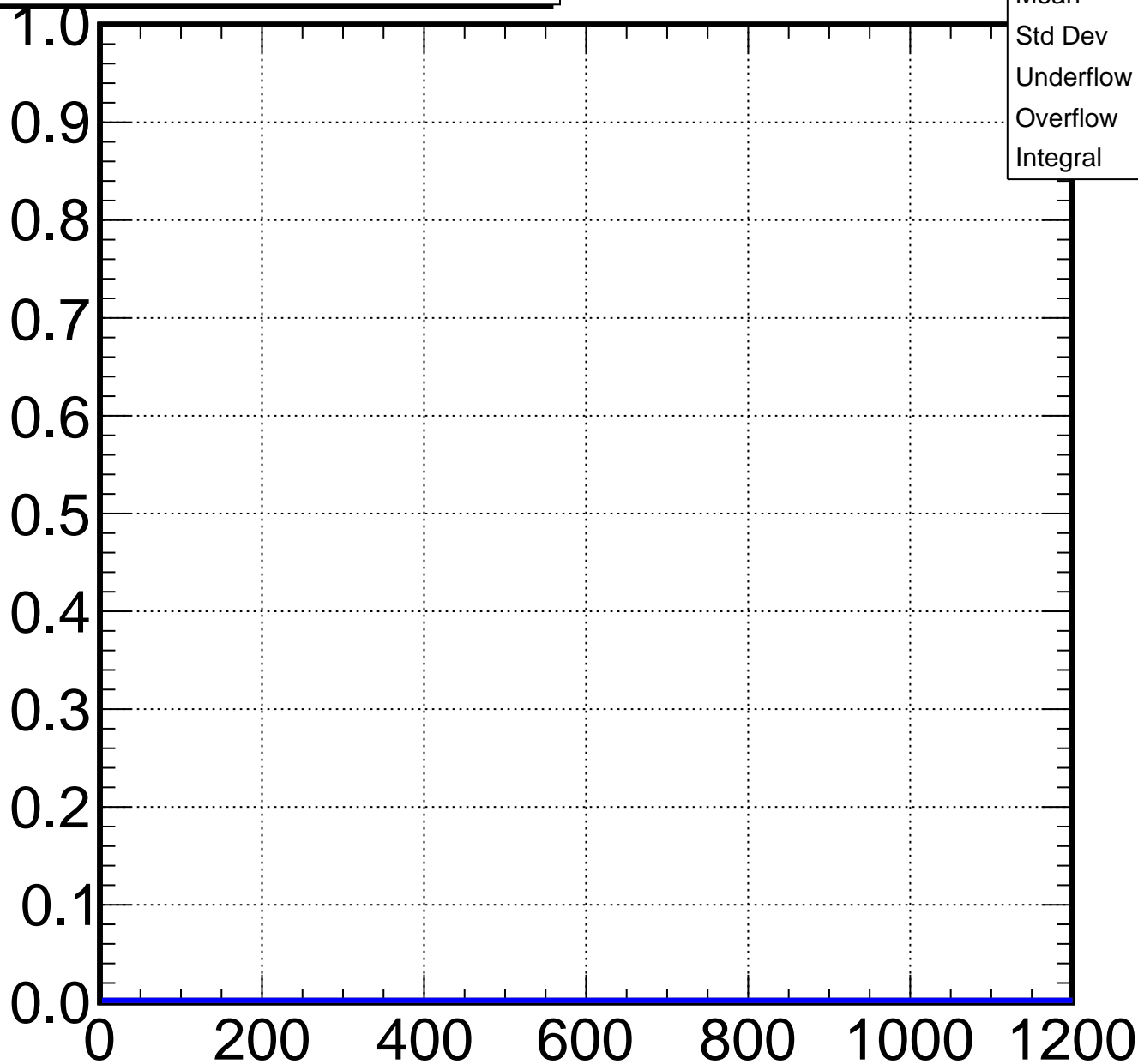


h_HA0PtWS_comparison



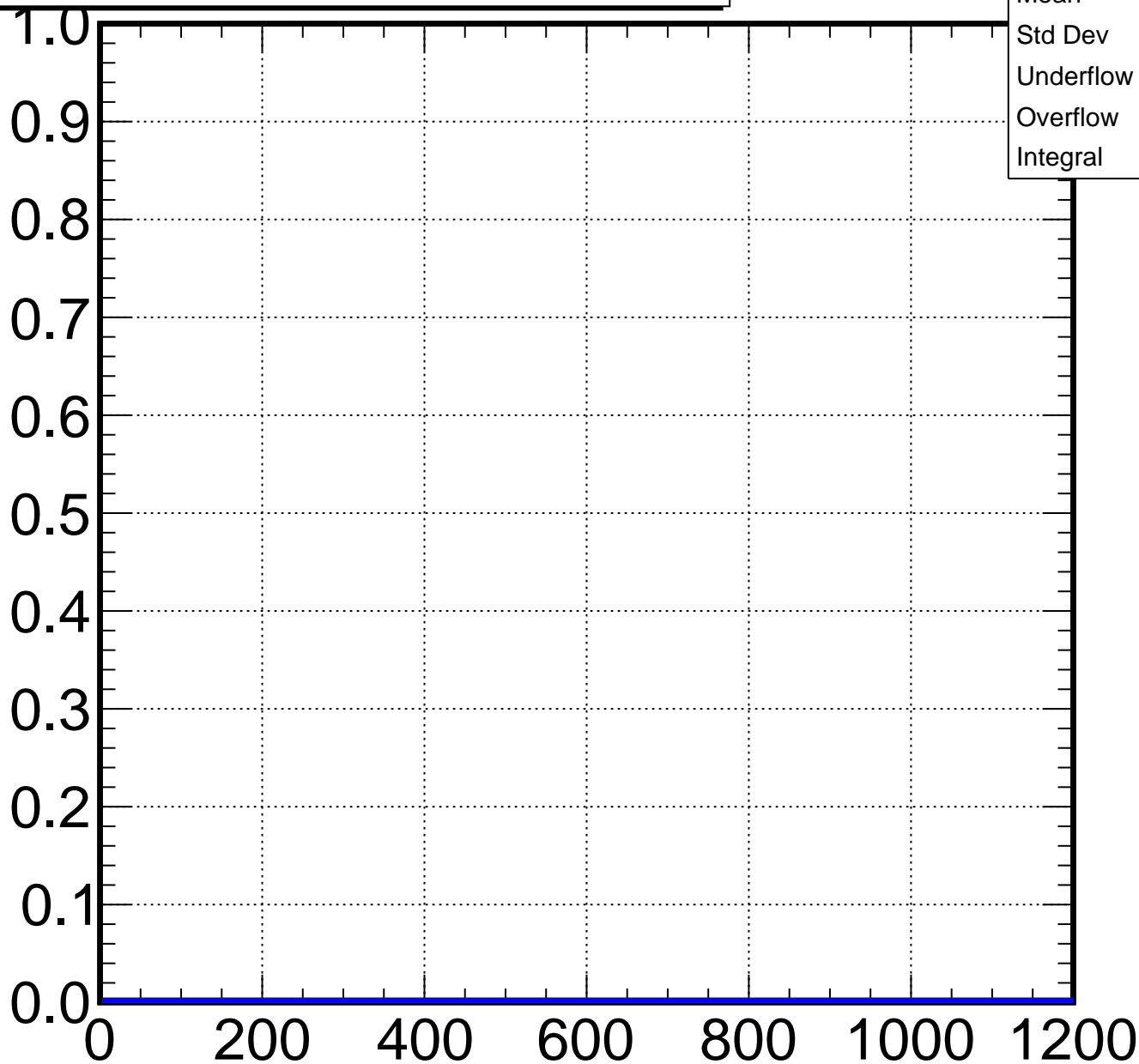
h_a0Pt_ws	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hPt_raw_WS_SW



h_higgsPt	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

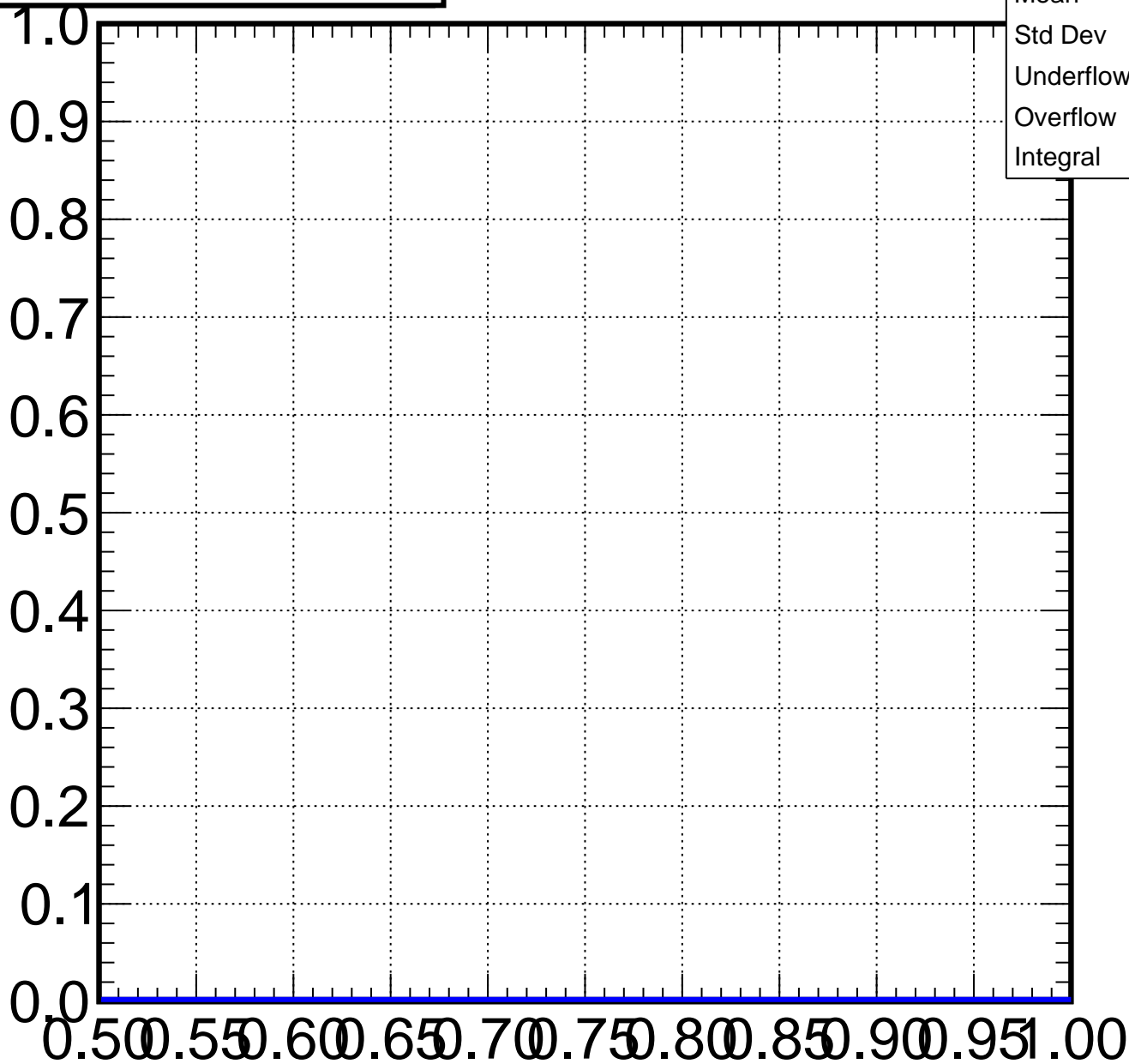
h_HA0rawPt_comparison



h_a0Pt

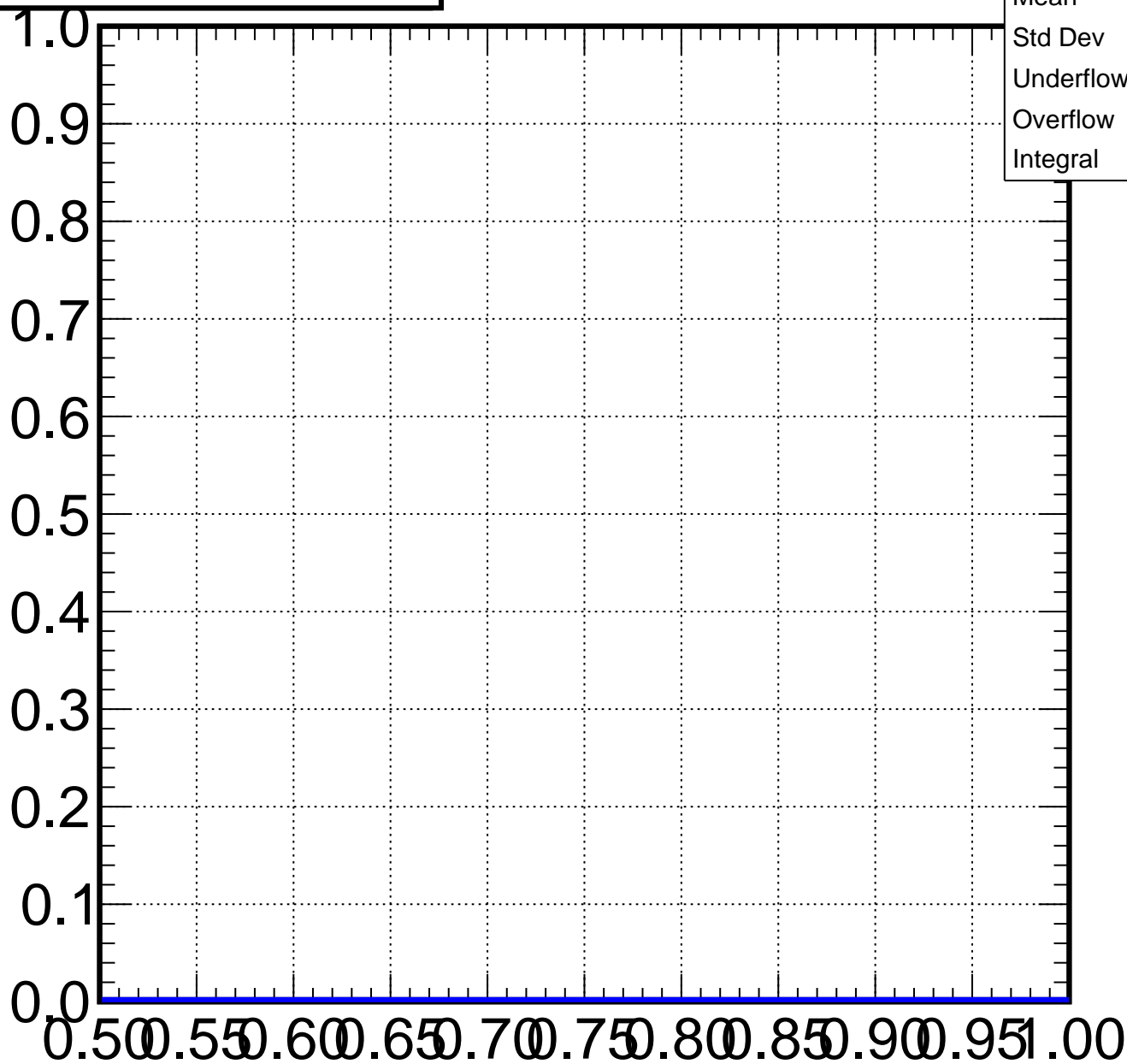
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hCISVV2_SW



h_CISVV2_Hsw_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hCISVV2_WS

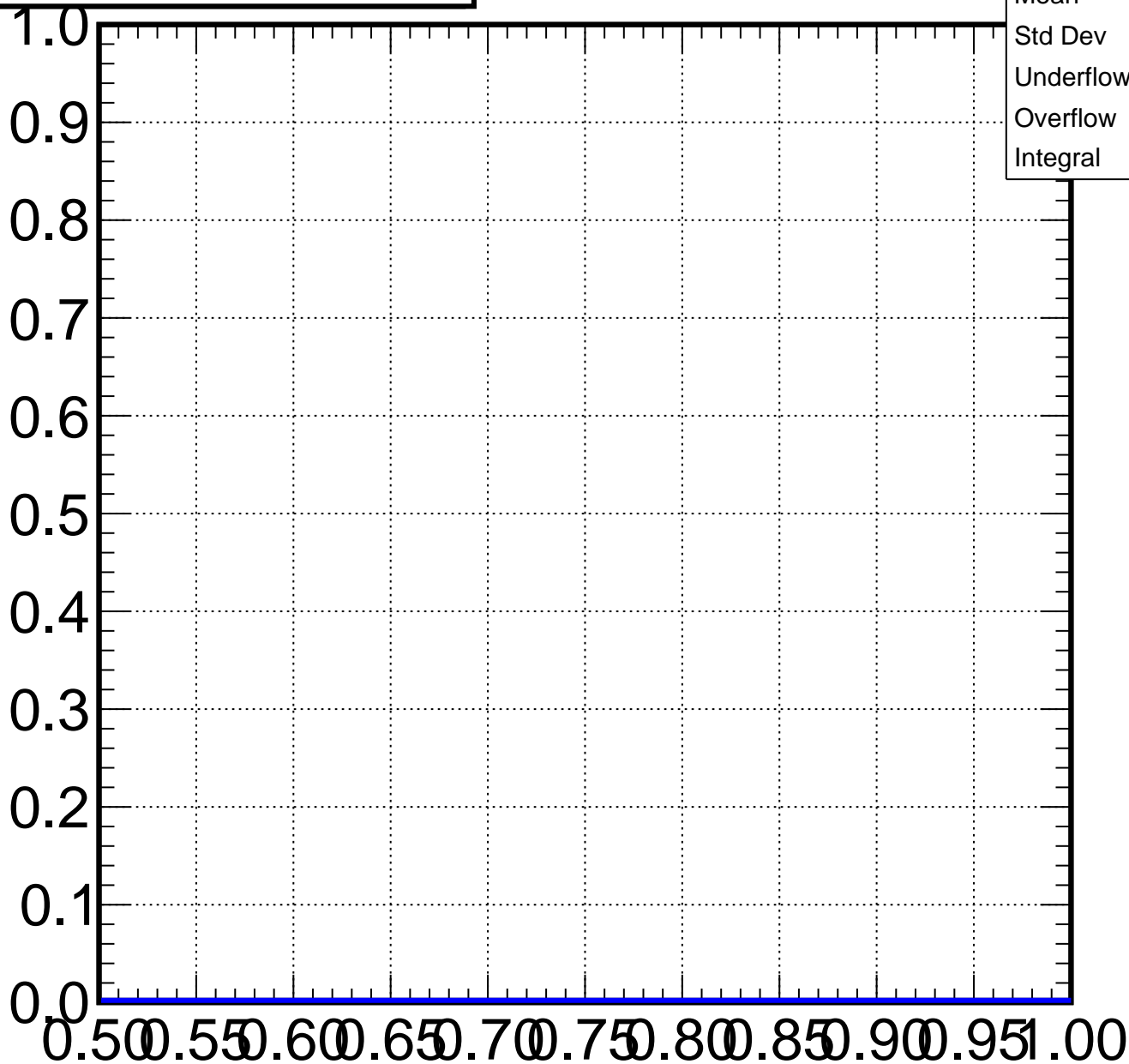


h_CISVV2_Hws_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

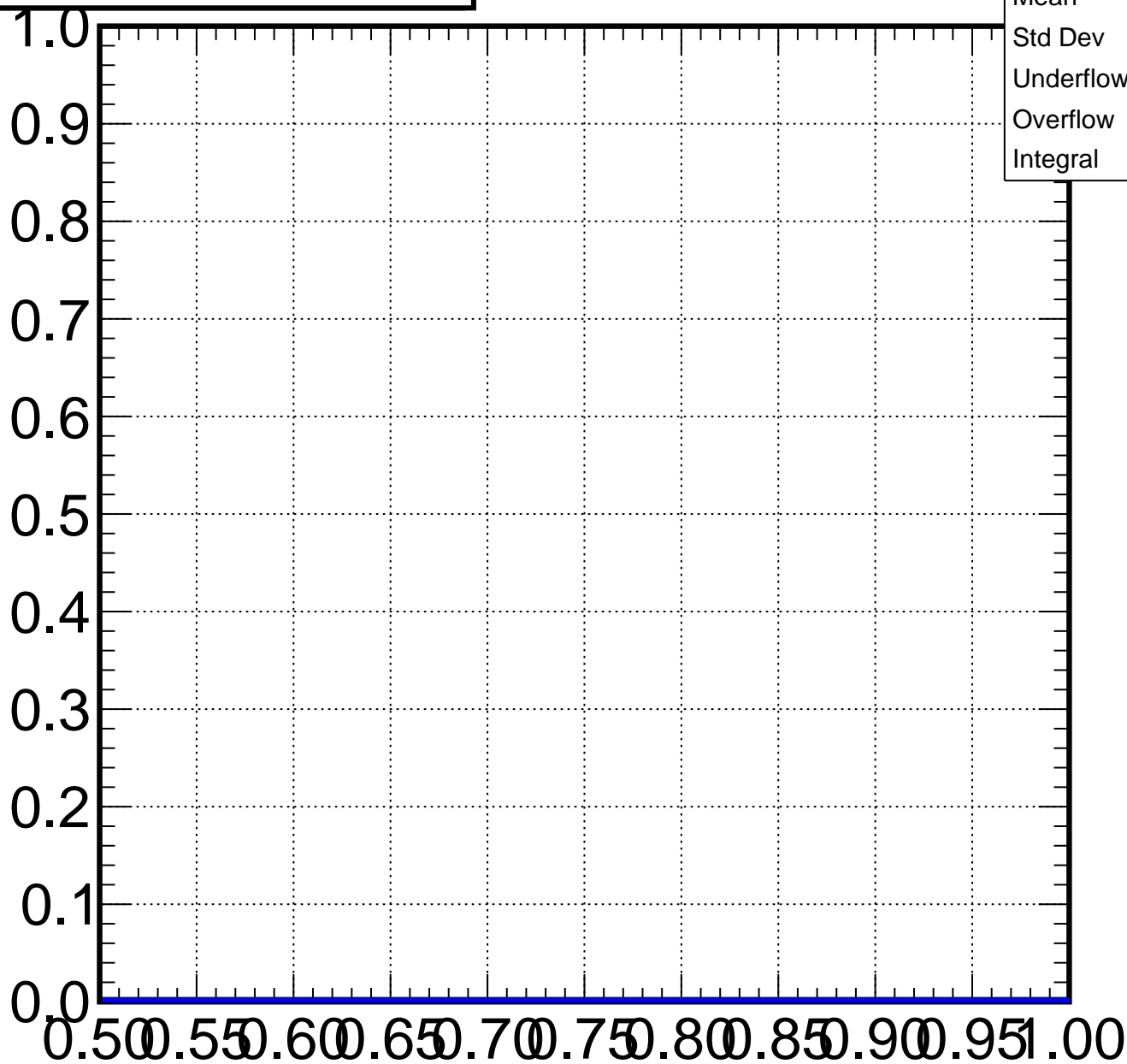
h_a0CISVV2_SW

h_CISVV2_A0sw_0

Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0



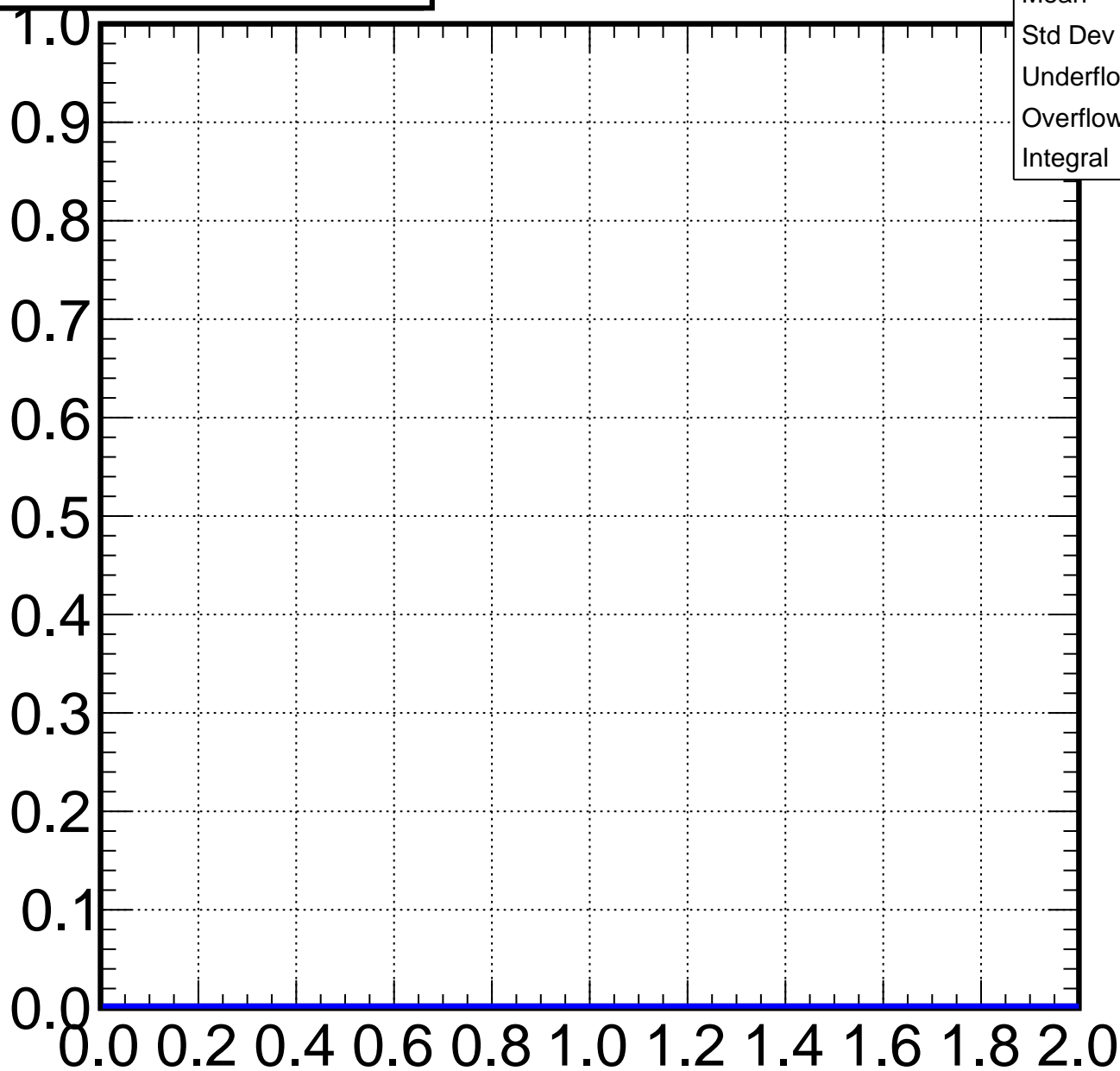
h_a0CISVV2_WS



h_CISVV2_A0ws_0

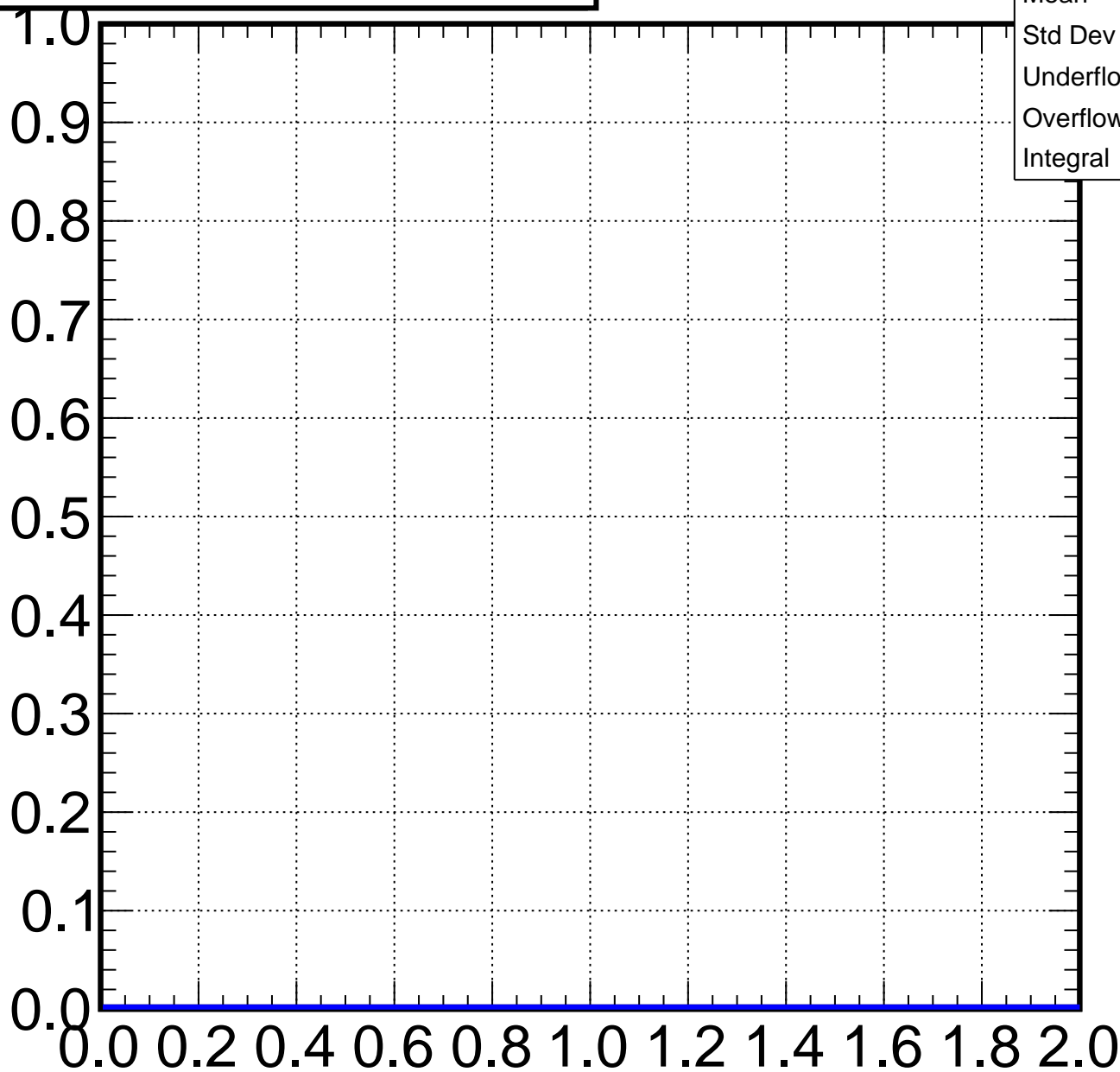
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hWeight_SW



h_TMVAweightSW_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

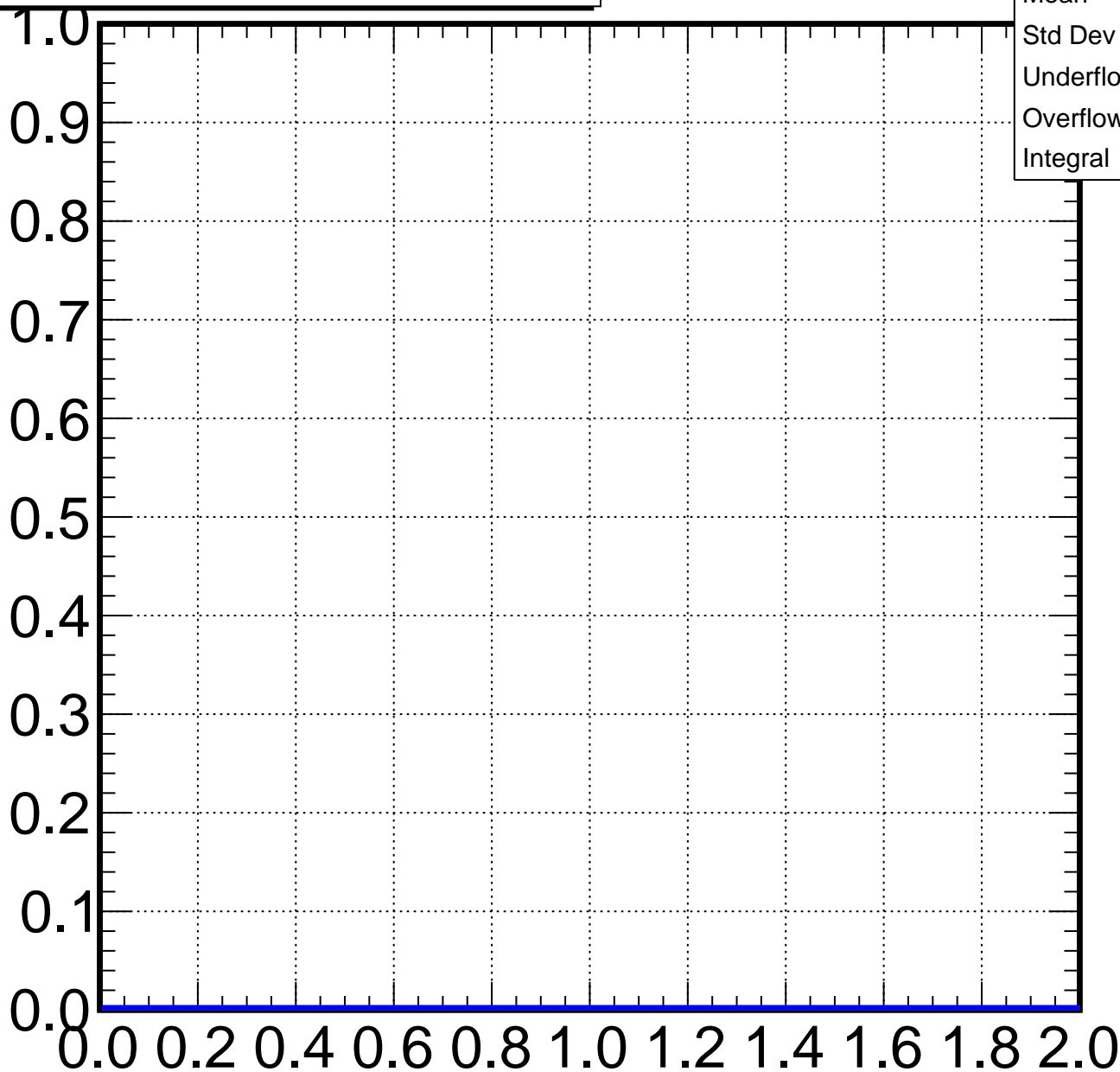
h_TMVWeightWS_0



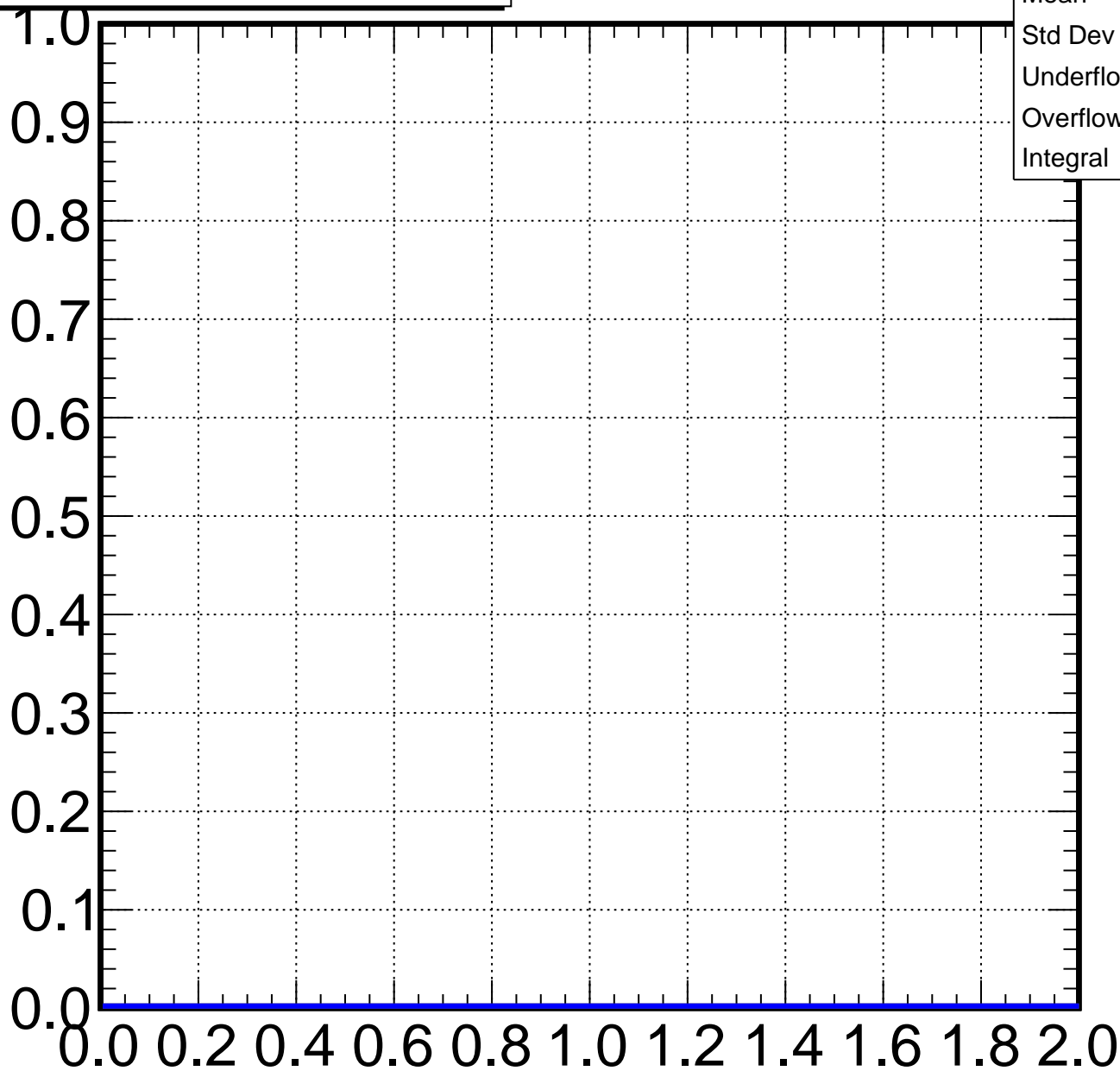
h_TMVWeightWS_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_higgsPtAssymetry

h_hPtAs	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

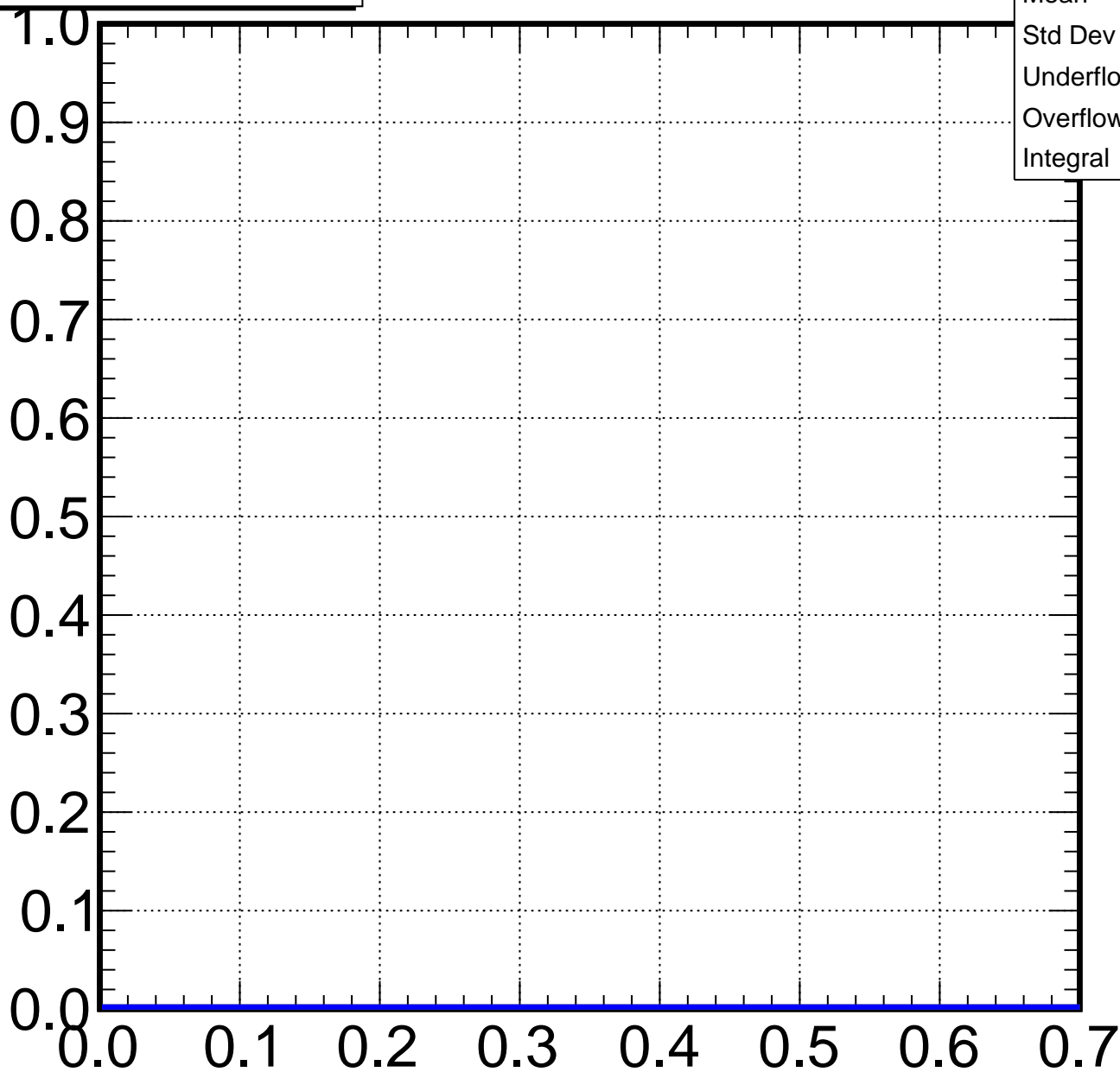


h_A0PtAssymetry



h_a0PtAs	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

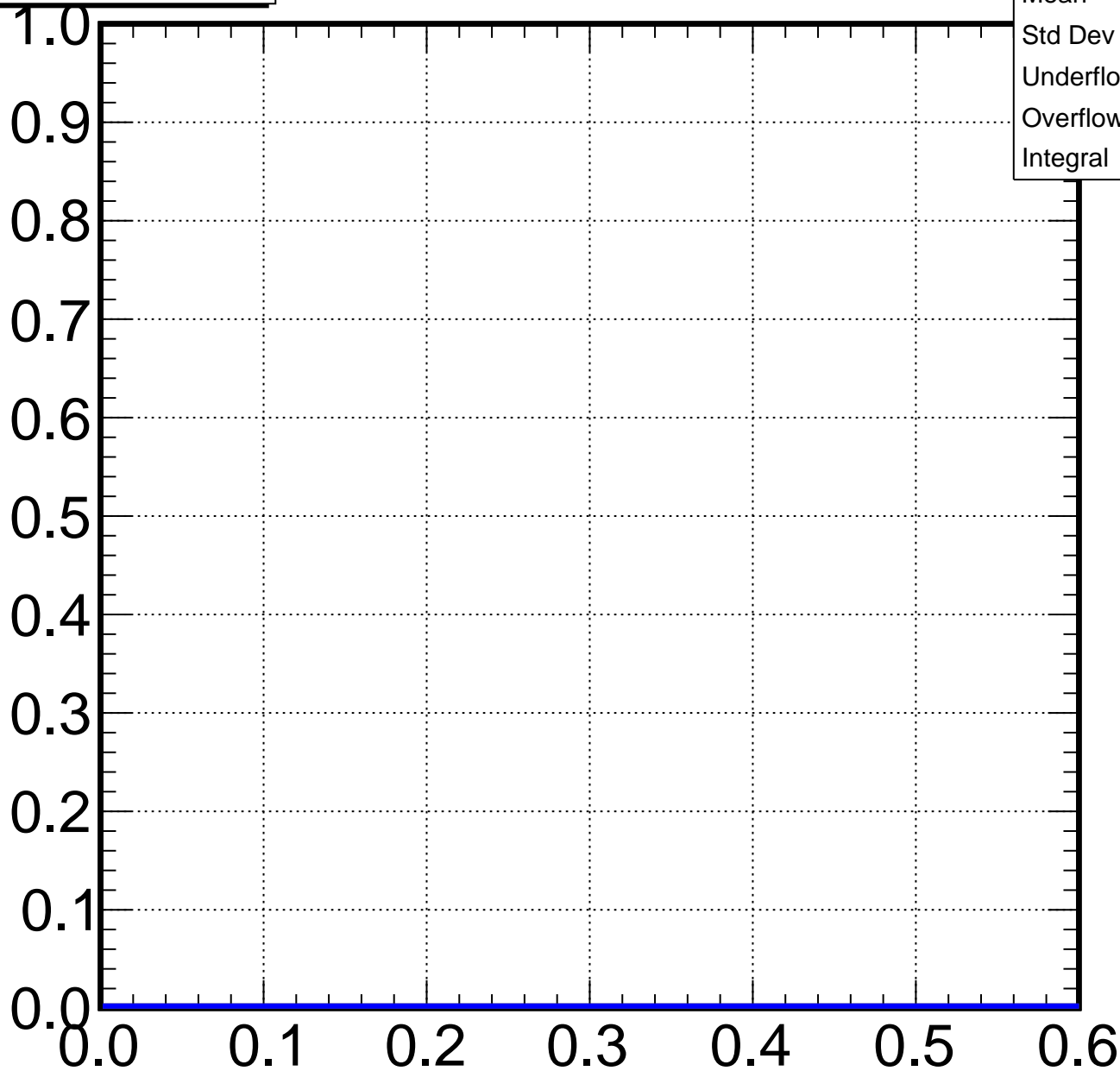
h_higgsPtSD



h_hPtSD

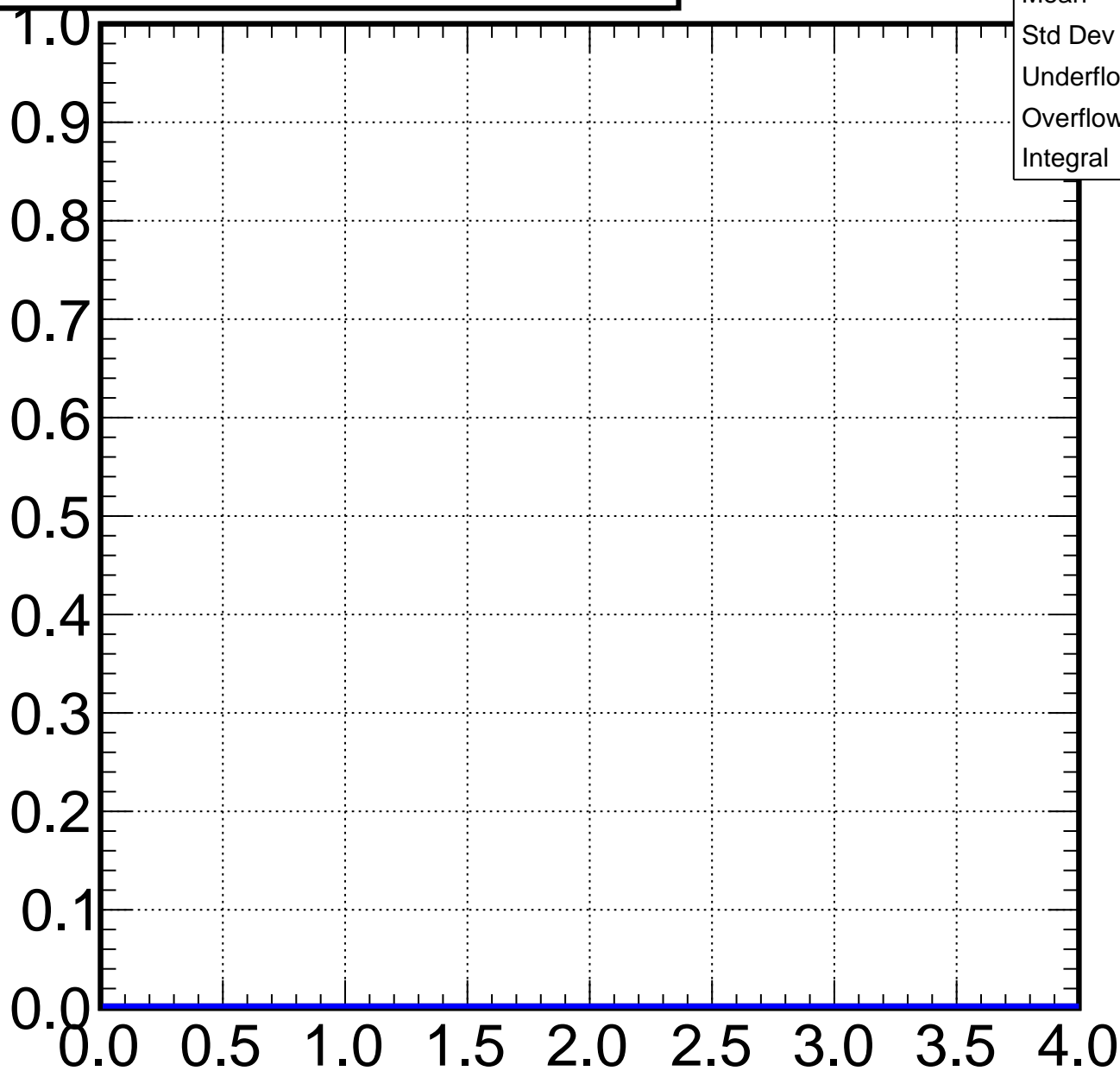
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0PtSD



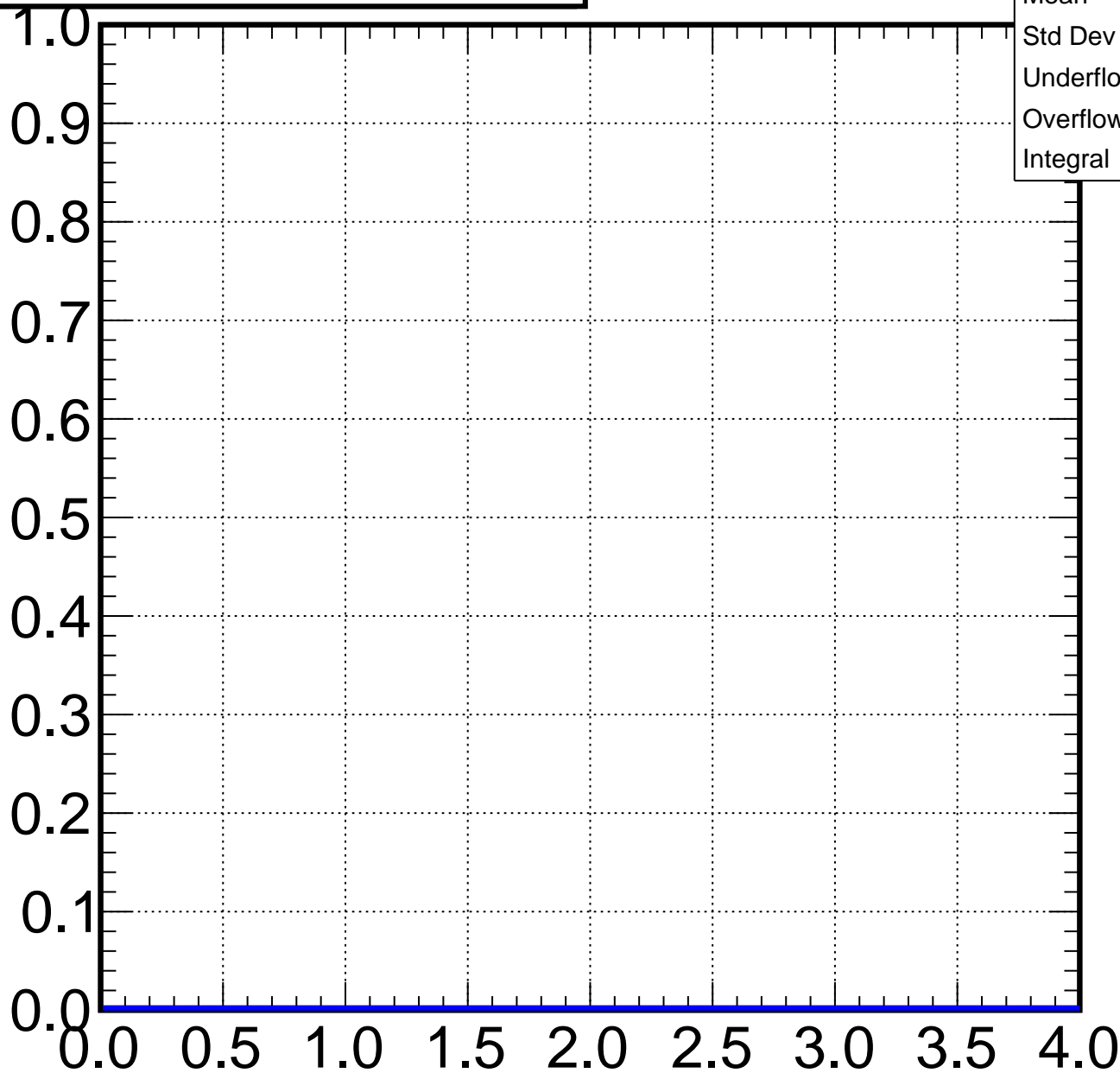
h_a0PtSD	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_HiggstobbDeltaR_sw



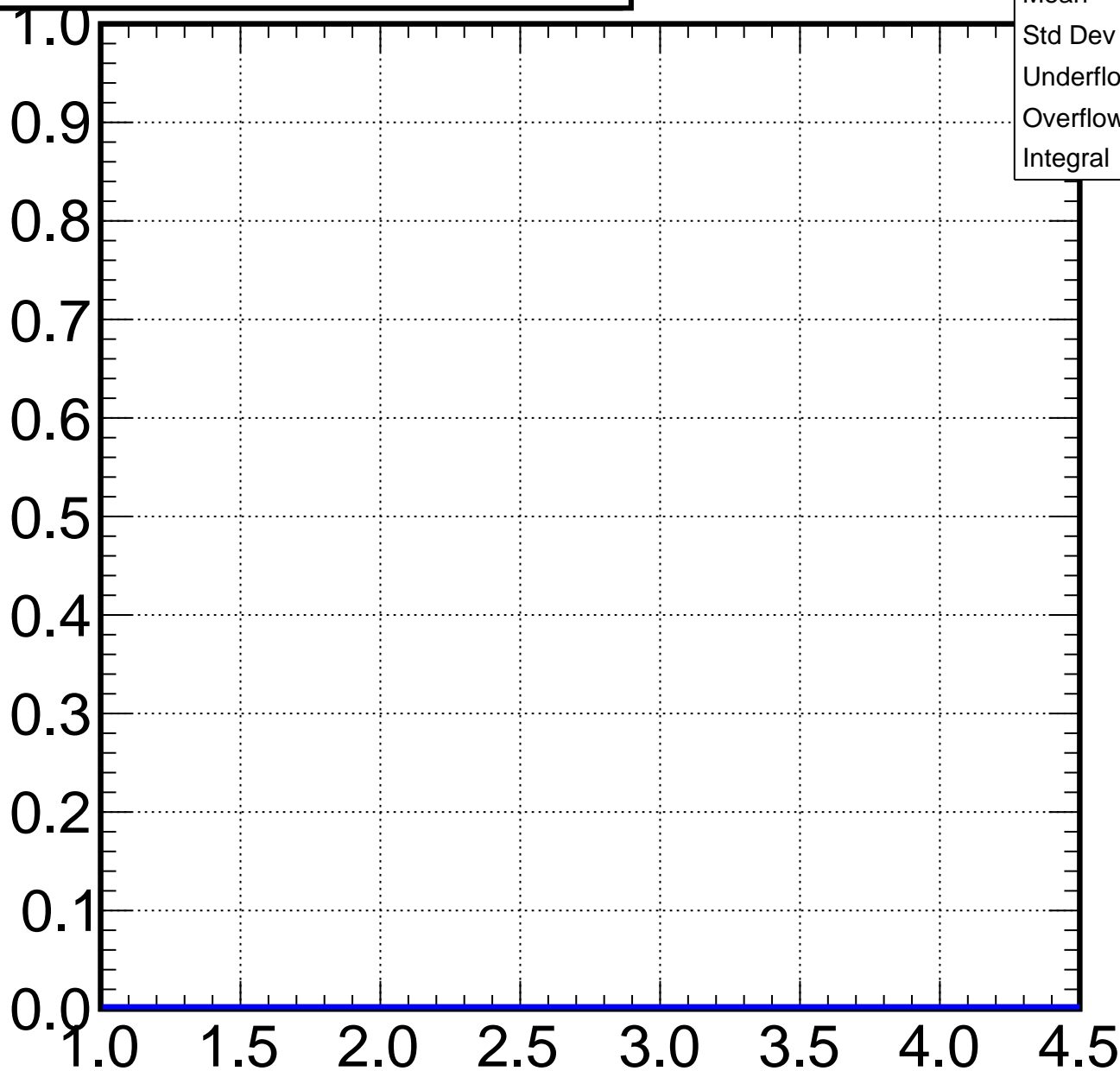
h_HiggstobbDeltaR_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0tobbDeltaR_sw



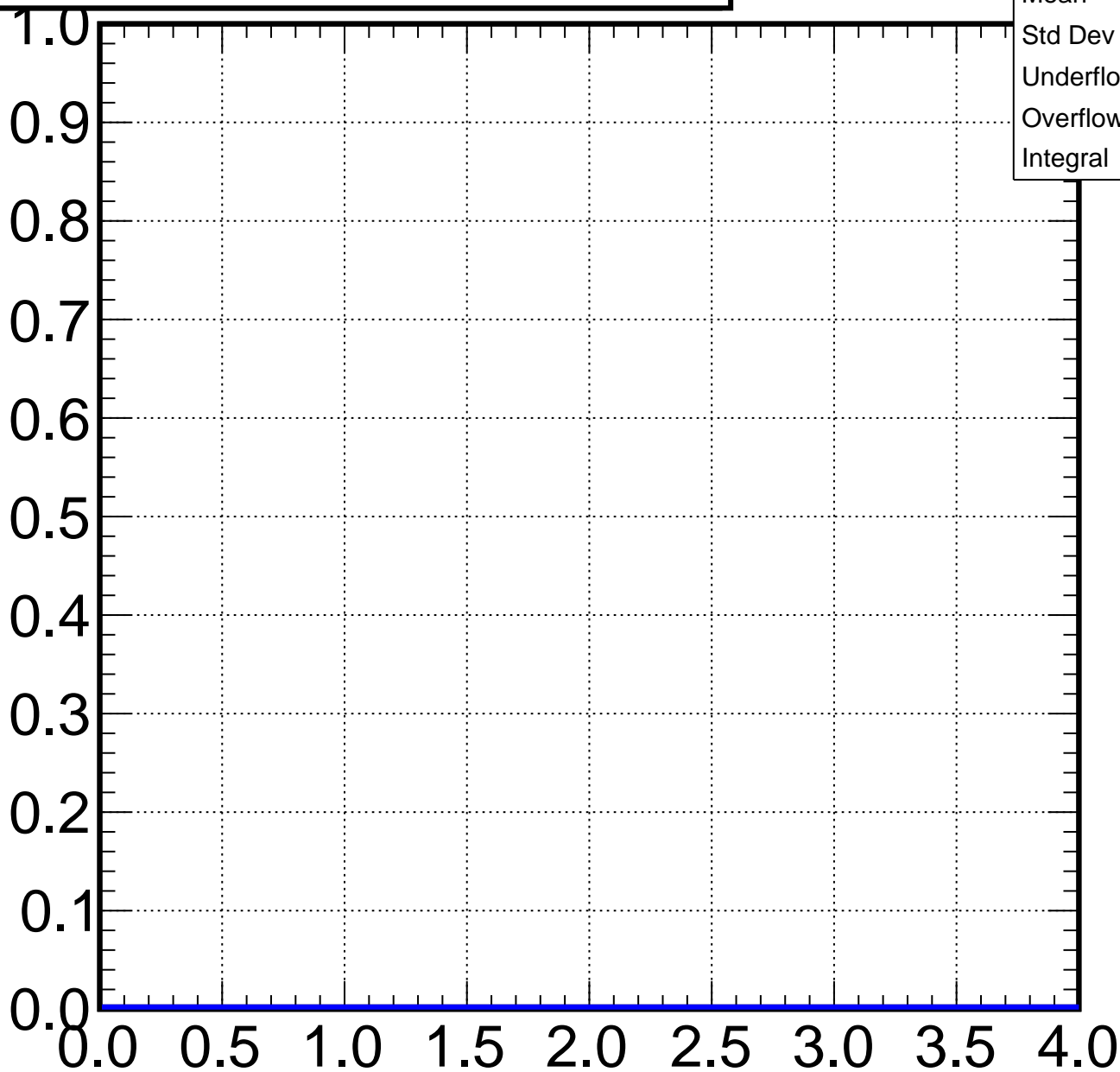
h_A0tobbDeltaR_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_ZptoHA0DeltaR_sw



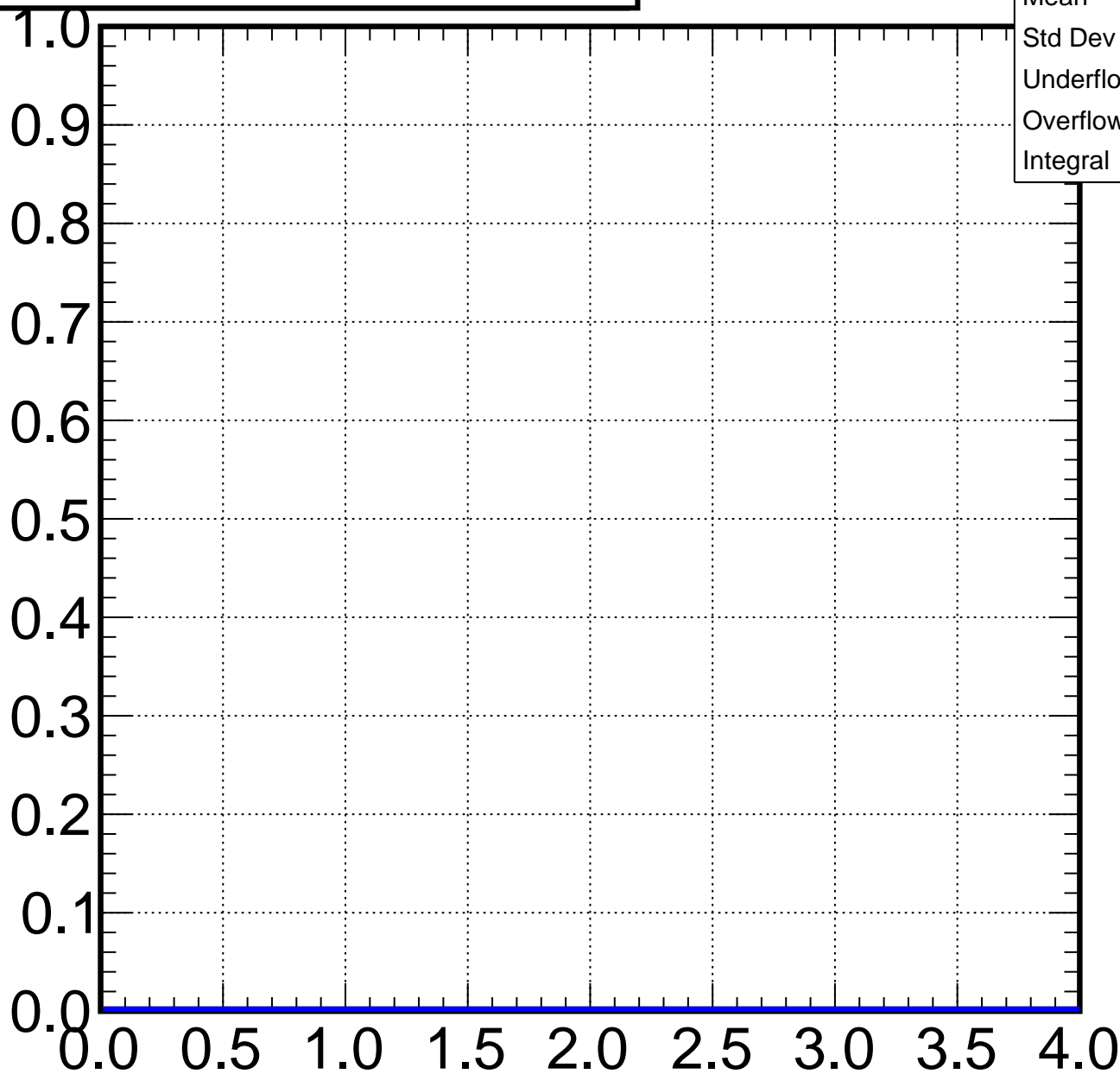
h_ZptoHA0DeltaR_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_HiggstobbDeltaEta_sw



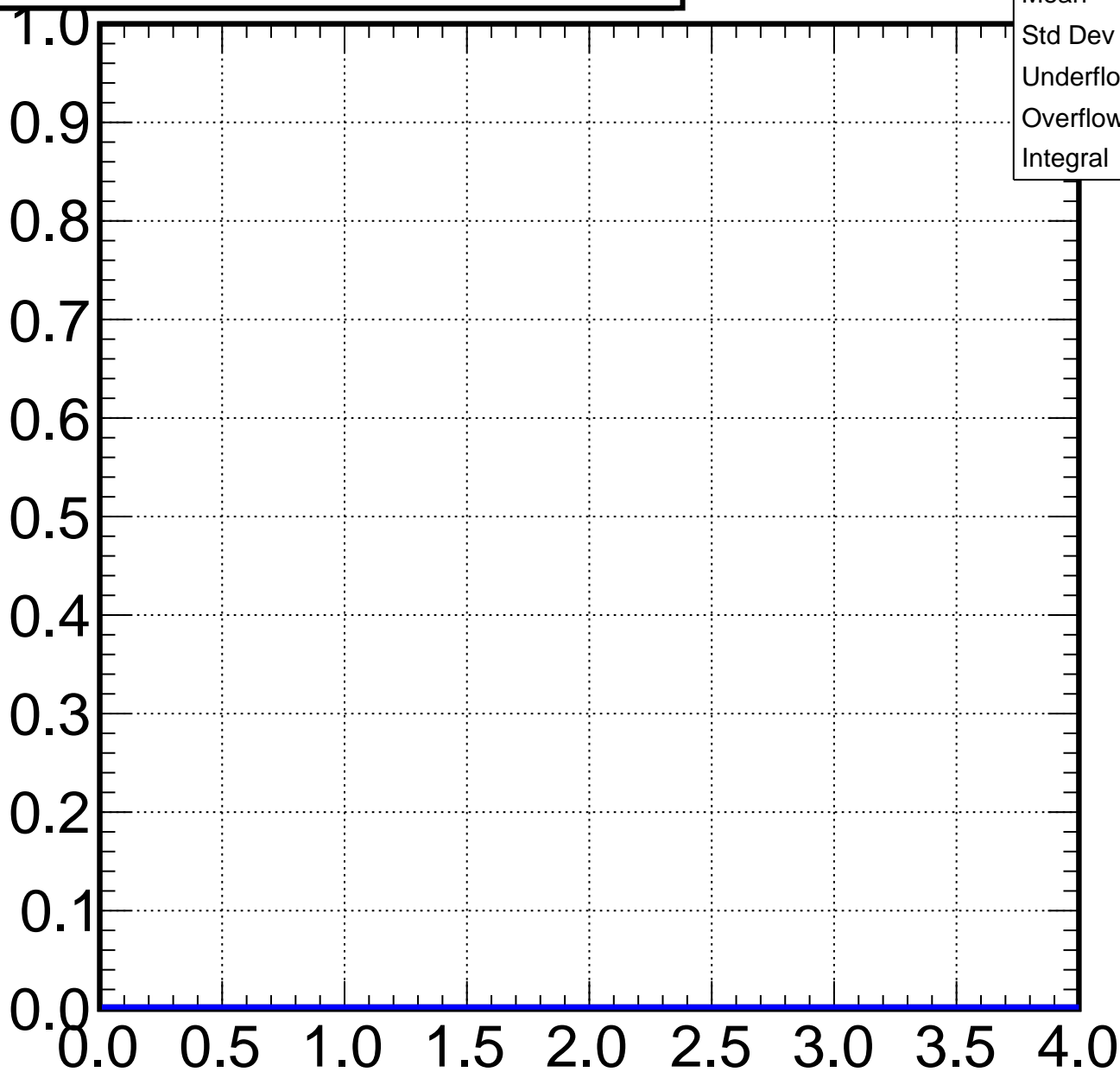
h_HiggstobbDeltaEta_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0tobbDeltaEta_sw



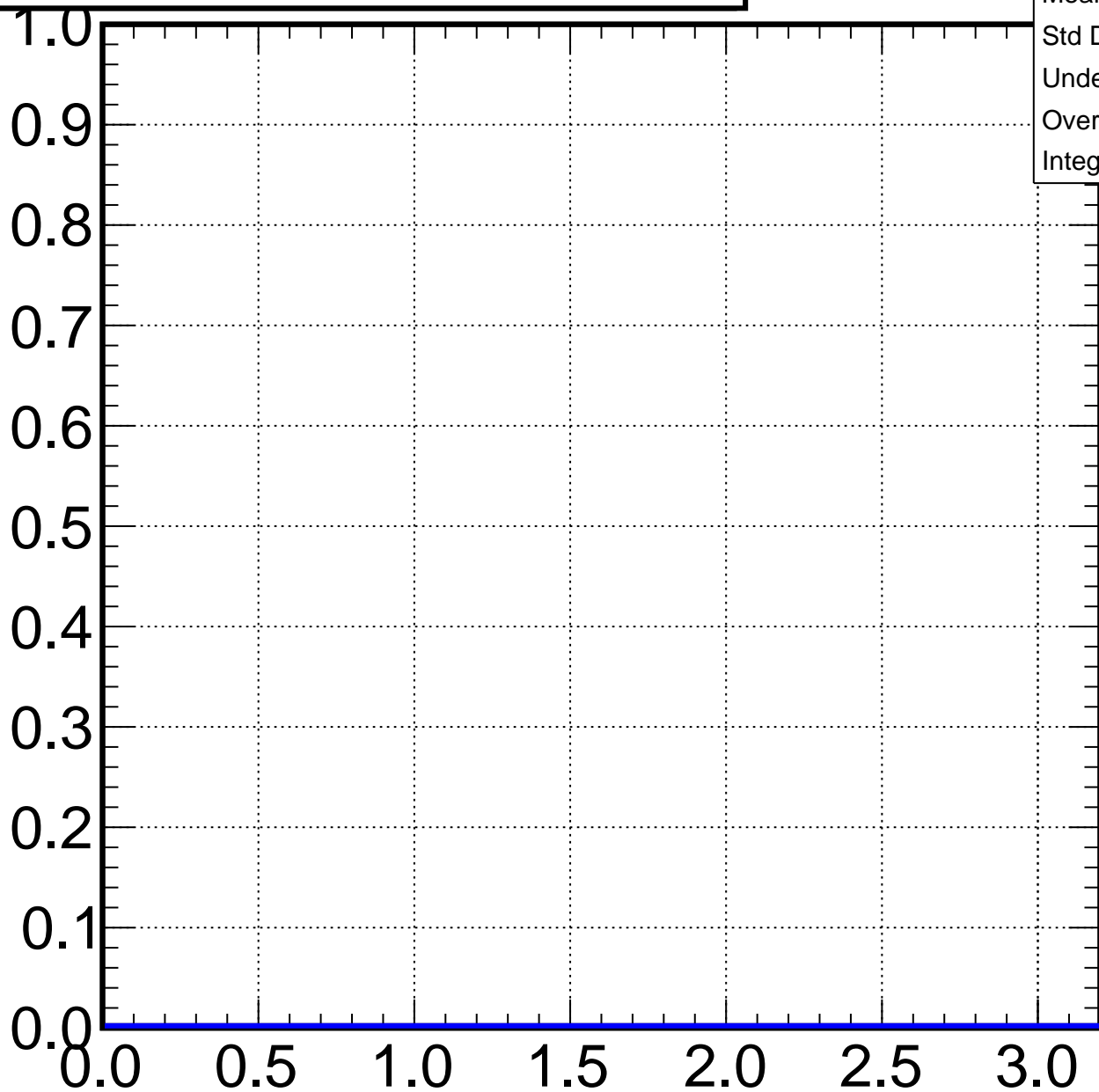
h_A0tobbDeltaEta_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_ZptoHA0DeltaEta_sw



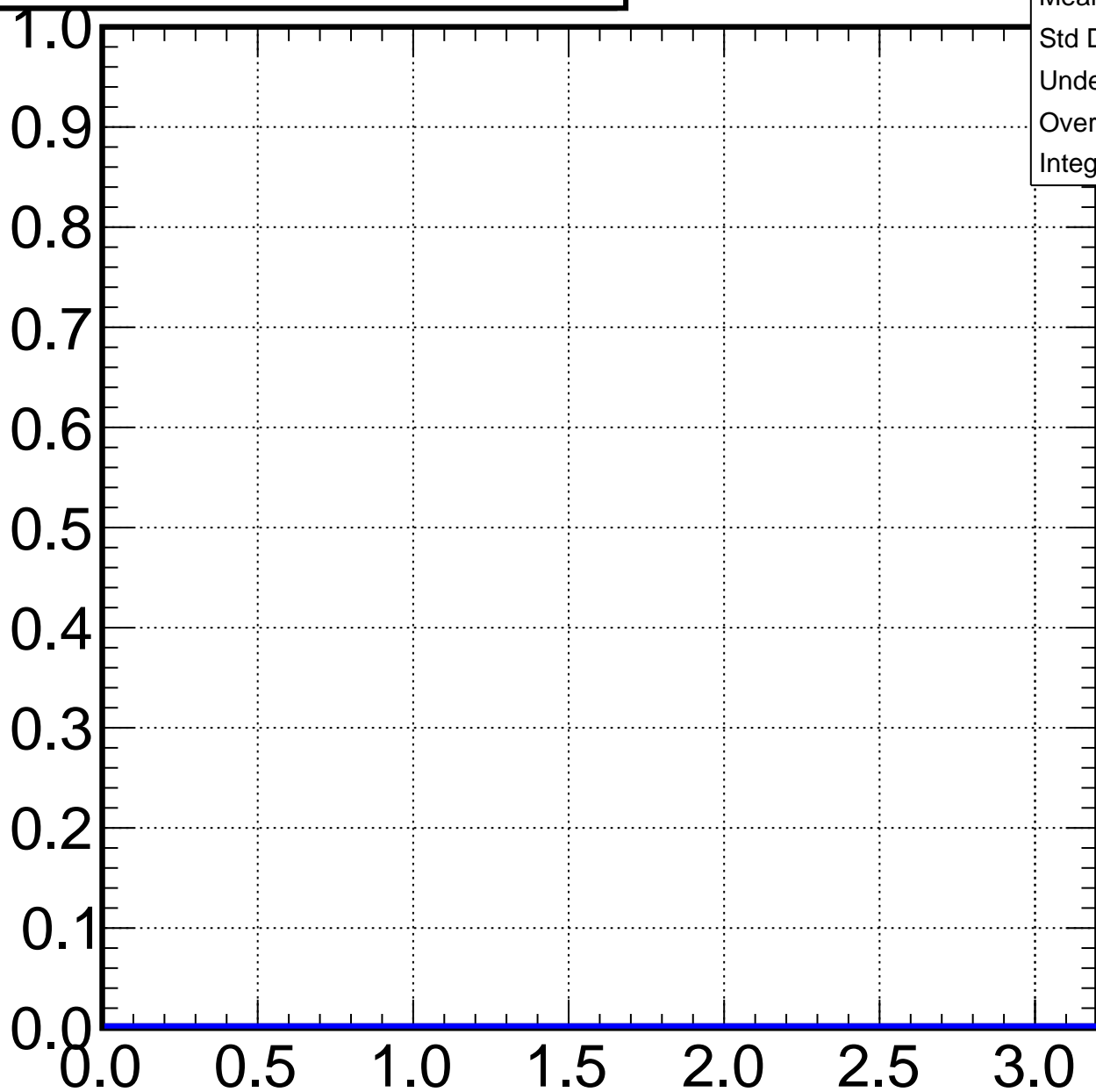
h_ZptoHA0DeltaEta_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_HiggstobbDeltaPhi_sw



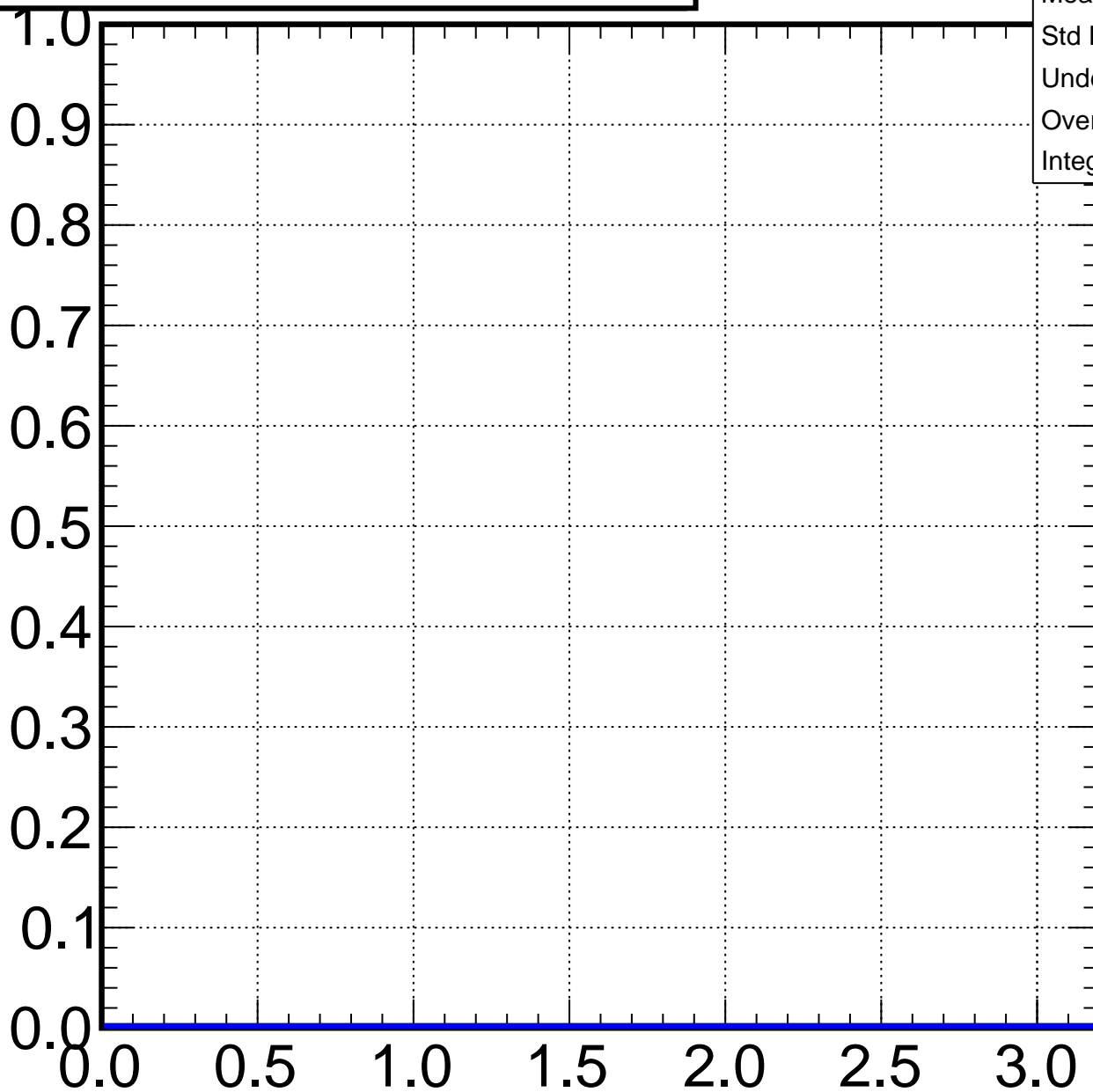
h_HiggstobbDeltaPhi_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0obbDeltaPhi_sw



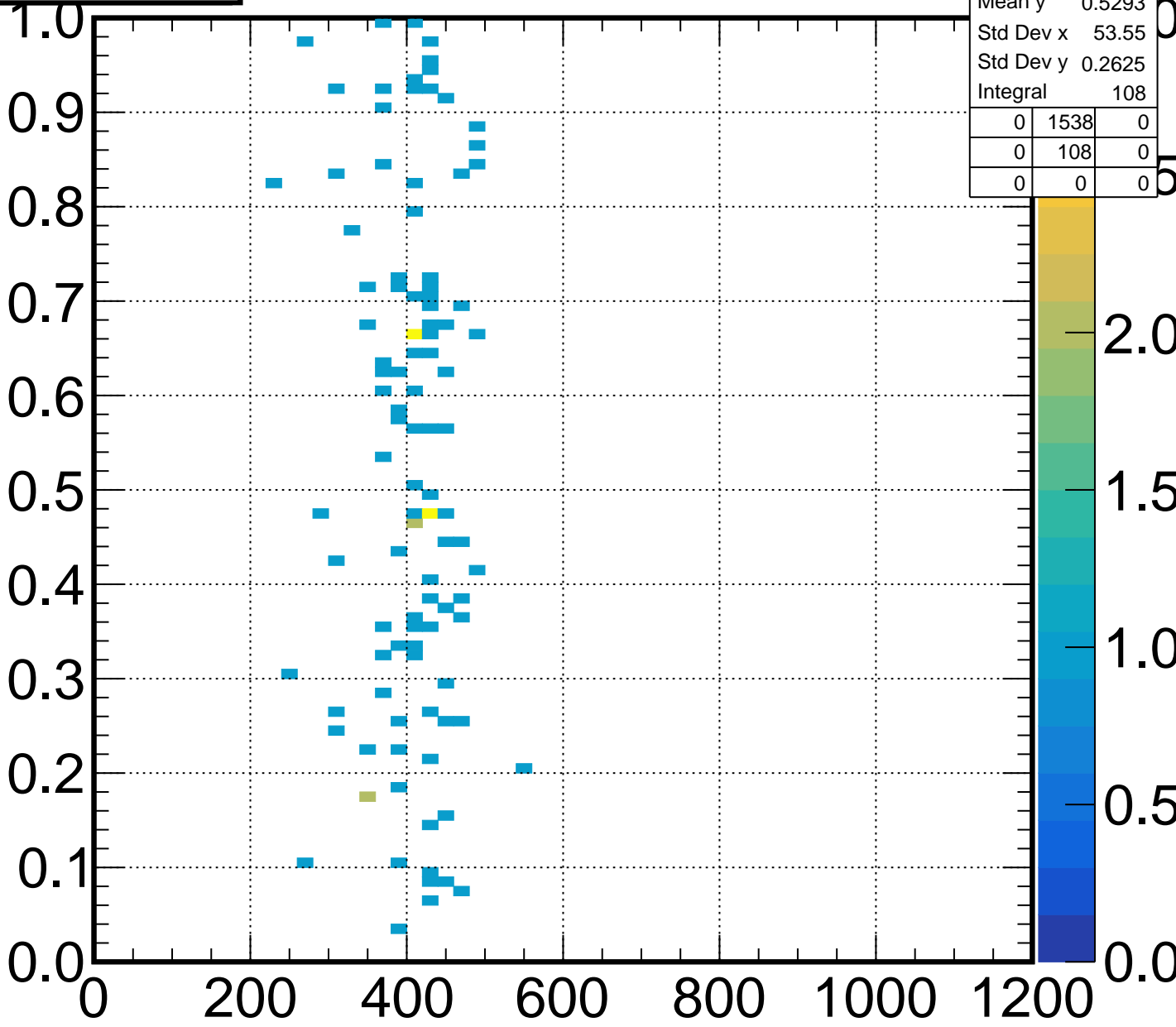
h_A0obbDeltaPhi_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_ZptoHA0DeltaPhi_sw



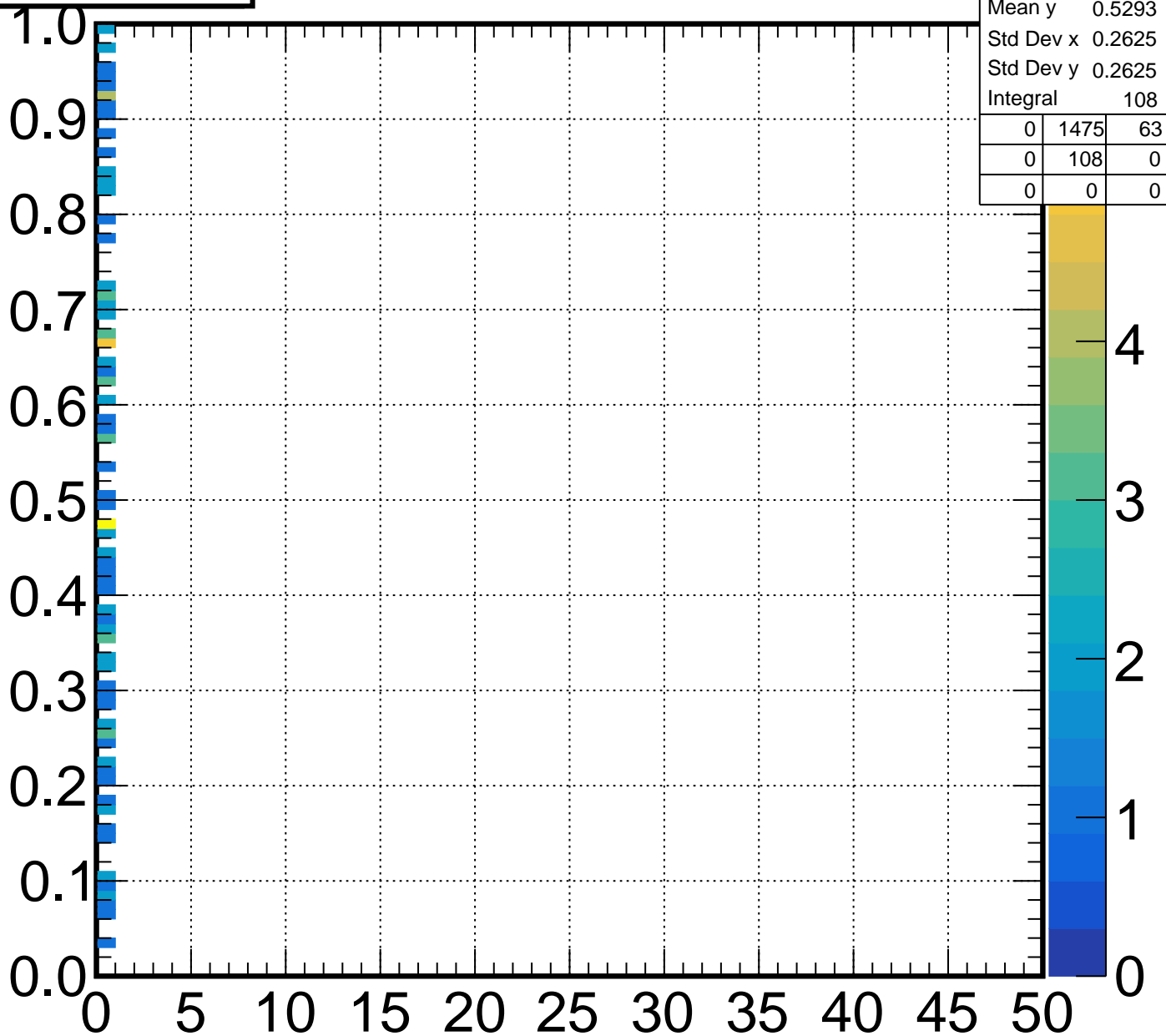
h_ZptoHA0DeltaPhi_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_2d_hpt

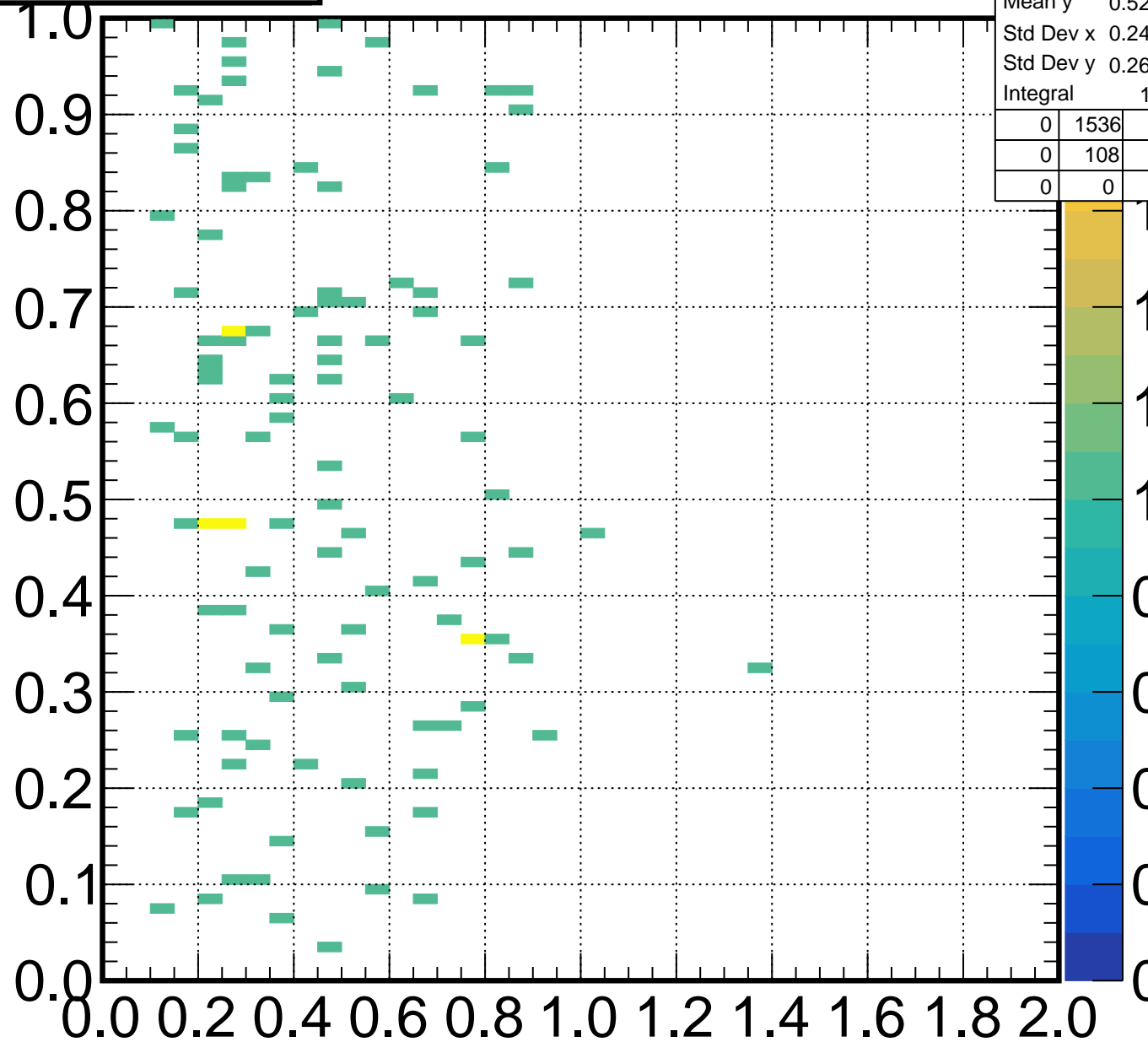


h_2d_hpt		
Mean x	407.1	
Mean y	0.5293	
Std Dev x	53.55	
Std Dev y	0.2625	
Integral	108	
0	1538	0
0	108	0
0	0	0

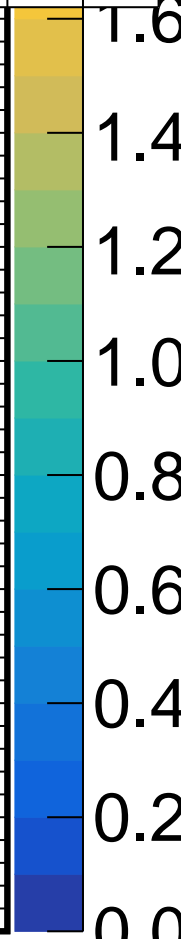
h_2d_hx2



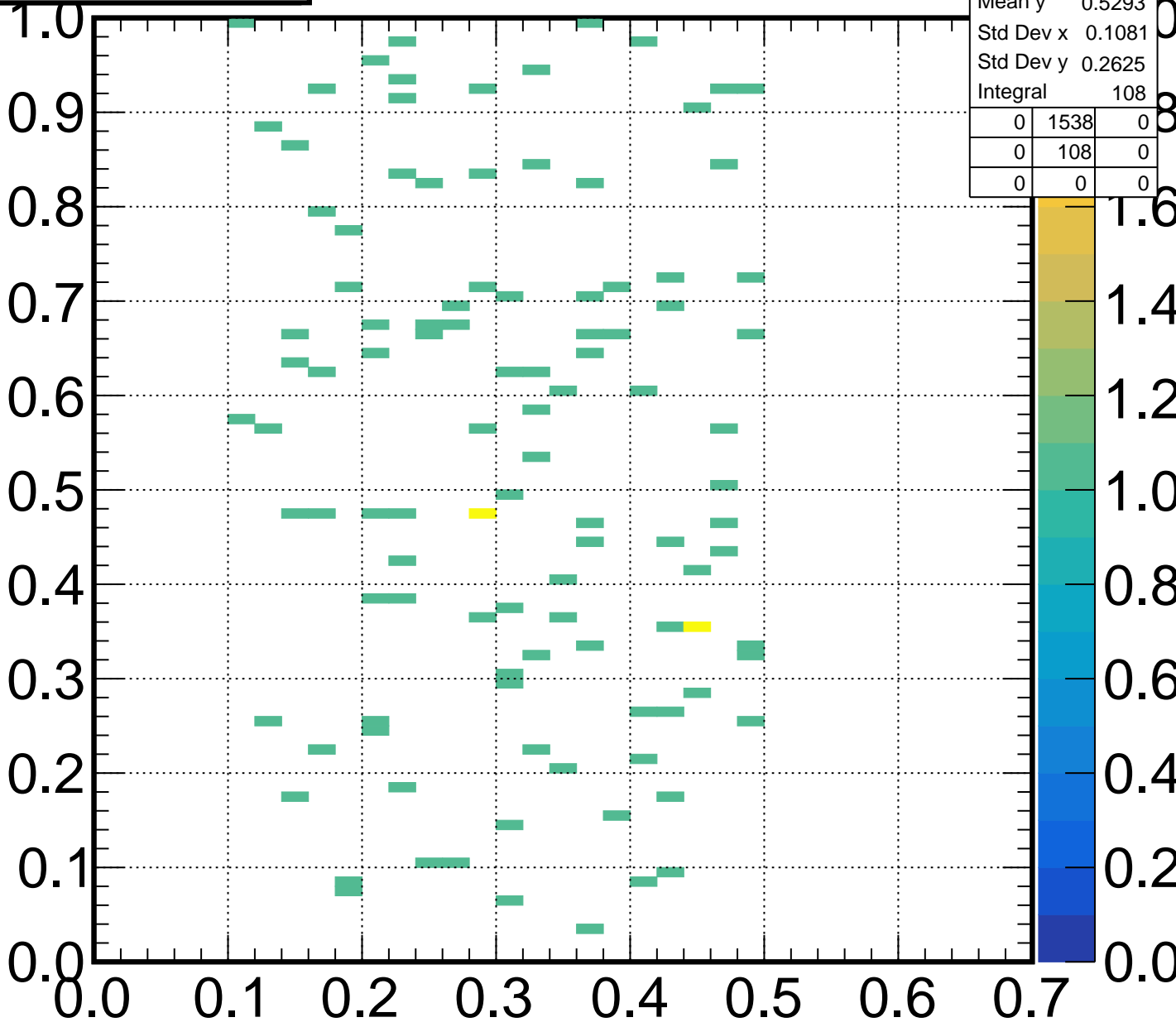
h_2d_hptas



h_2d_hptas		
Mean x	0.4631	
Mean y	0.5293	
Std Dev x	0.2423	
Std Dev y	0.2625	
Integral	108	
0	1536	2
0	108	0
0	0	0

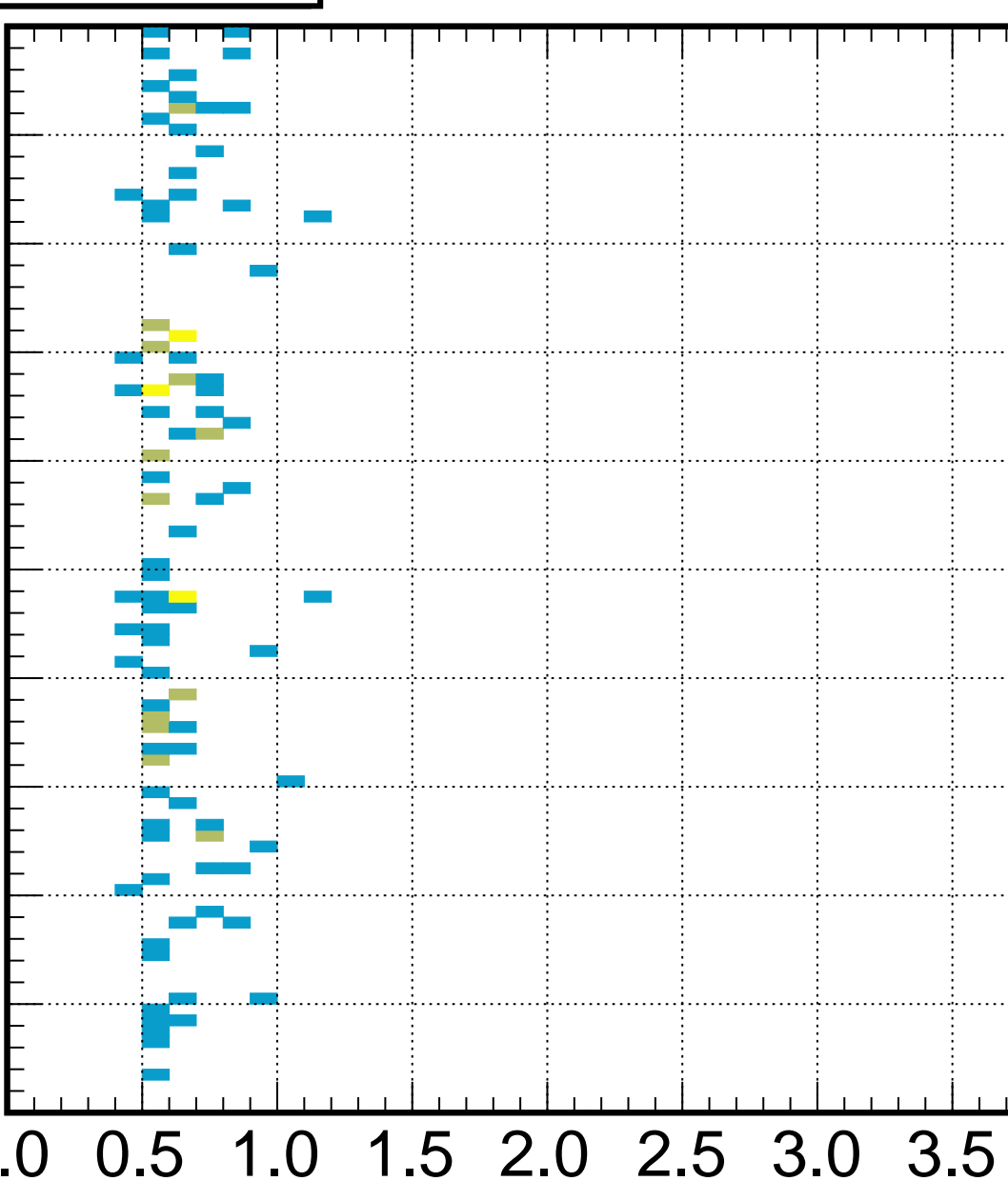


h_2d_hptsd



h_2d_hdeltaR

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

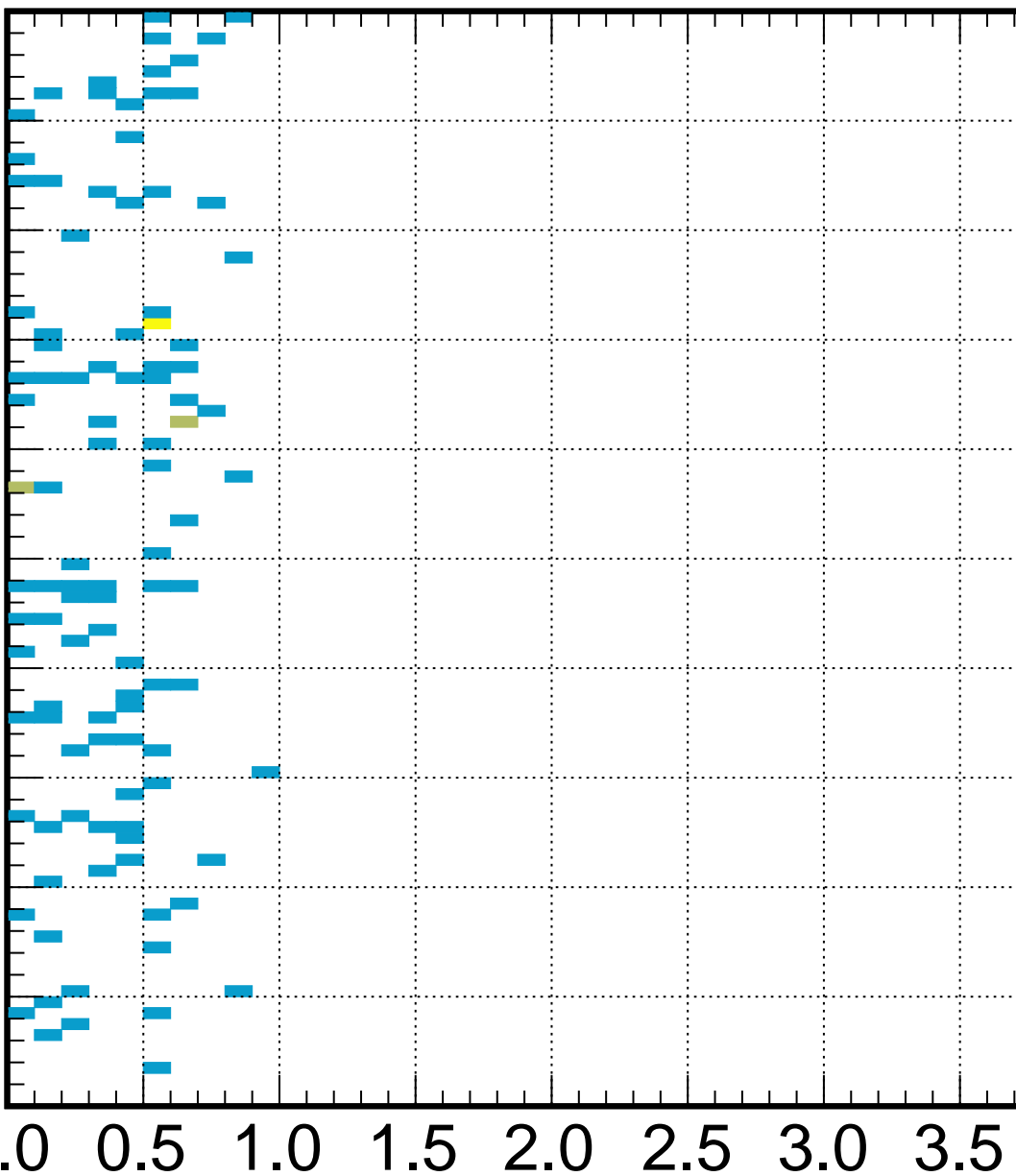


h_2d_hdeltaR		
Mean x	0.6463	
Mean y	0.5293	
Std Dev x	0.1402	
Std Dev y	0.2625	
Integral	108	
0	1538	0
0	108	0
0	0	0

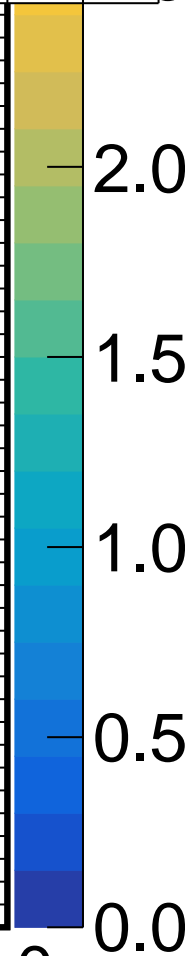
5
2.0
1.5
1.0
0.5
0.0

h_2d_hdeltaEta

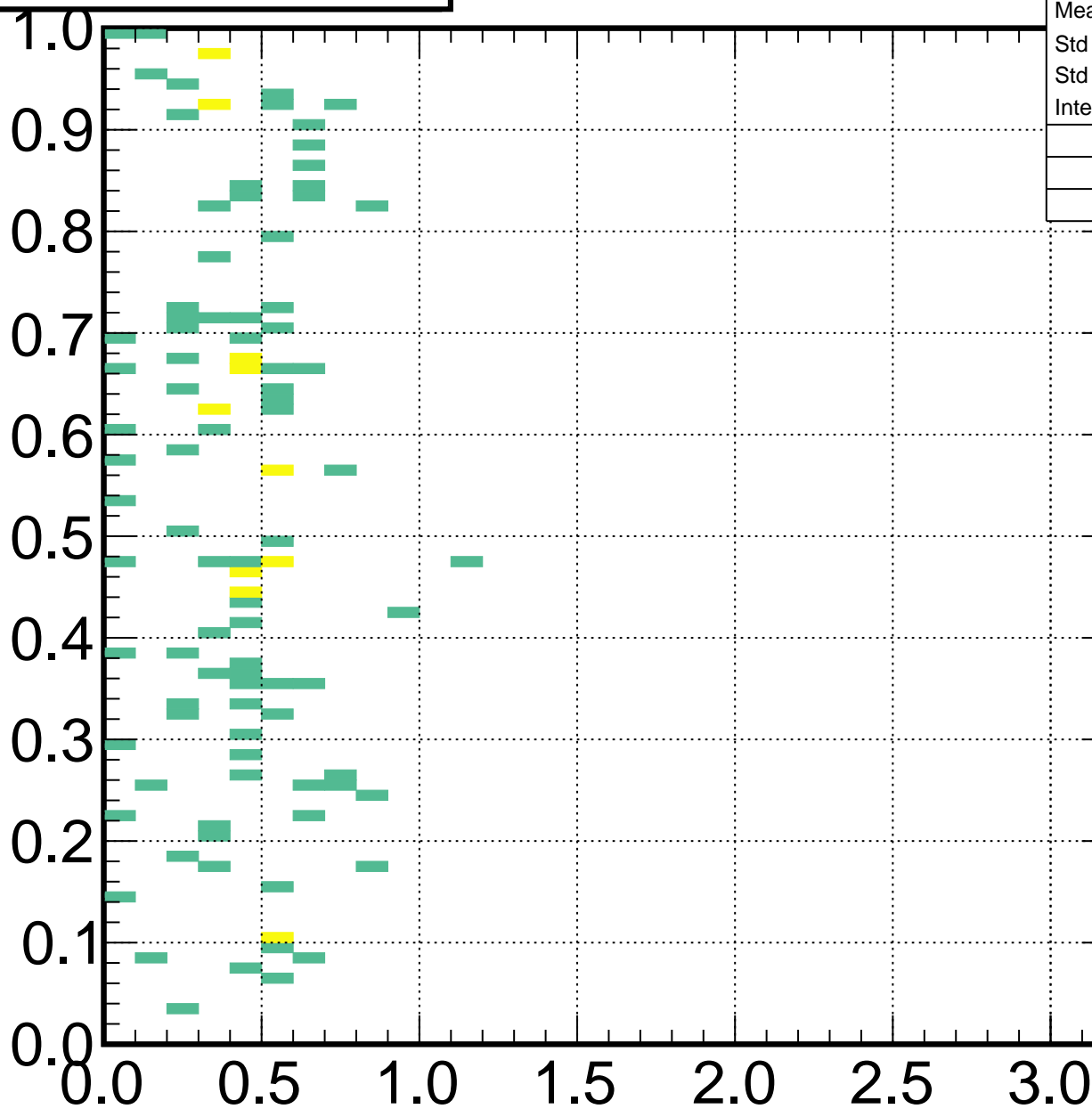
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0



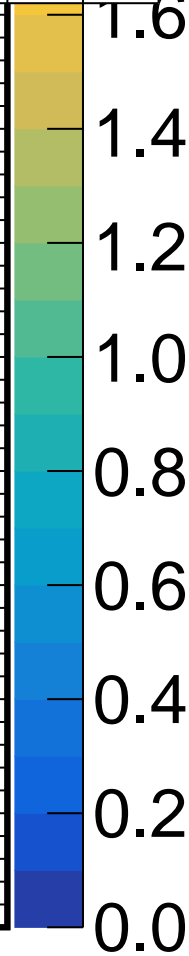
h_2d_hdeltaEta		
Mean x	0.3918	
Mean y	0.5293	
Std Dev x	0.2295	
Std Dev y	0.2625	
Integral	108	
0	1538	0
0	108	0
0	0	0



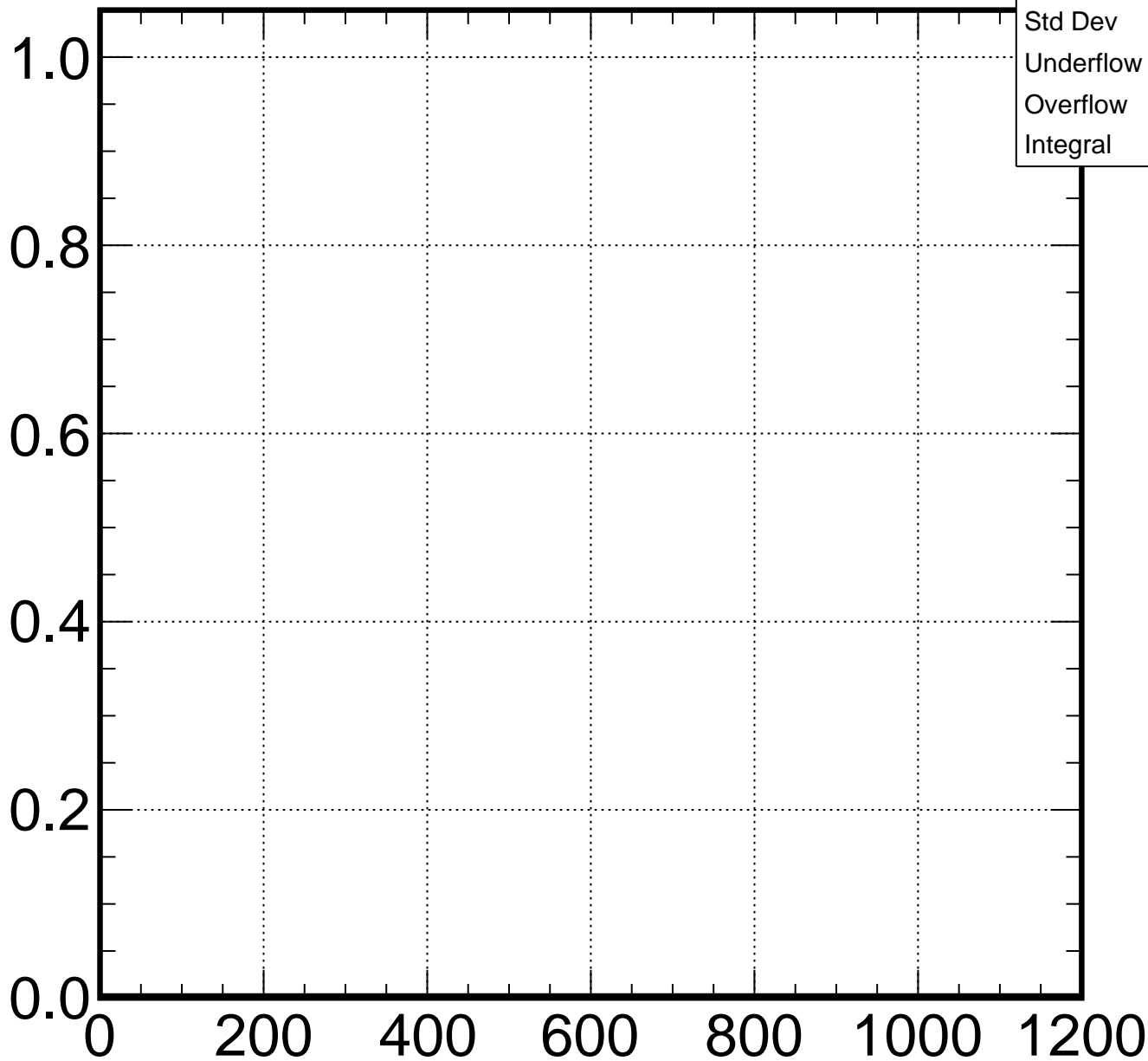
h_2d_hdeltaPhi



h_2d_hdeltaPhi		
Mean x	0.4283	
Mean y	0.5293	
Std Dev x	0.2183	
Std Dev y	0.2625	
Integral	108	
0	1538	0
0	108	0
0	0	0

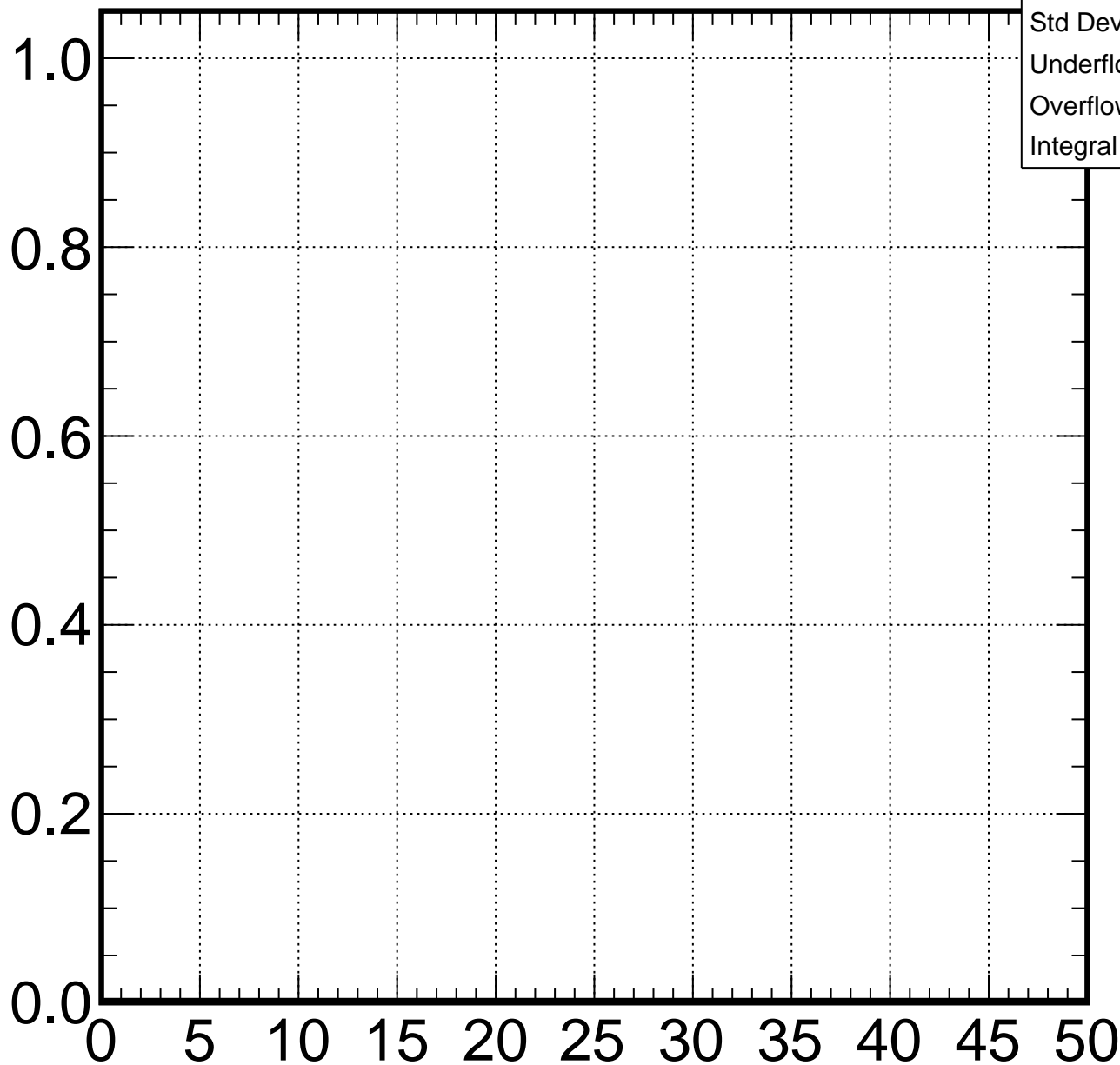


h_1d_hpt_fail



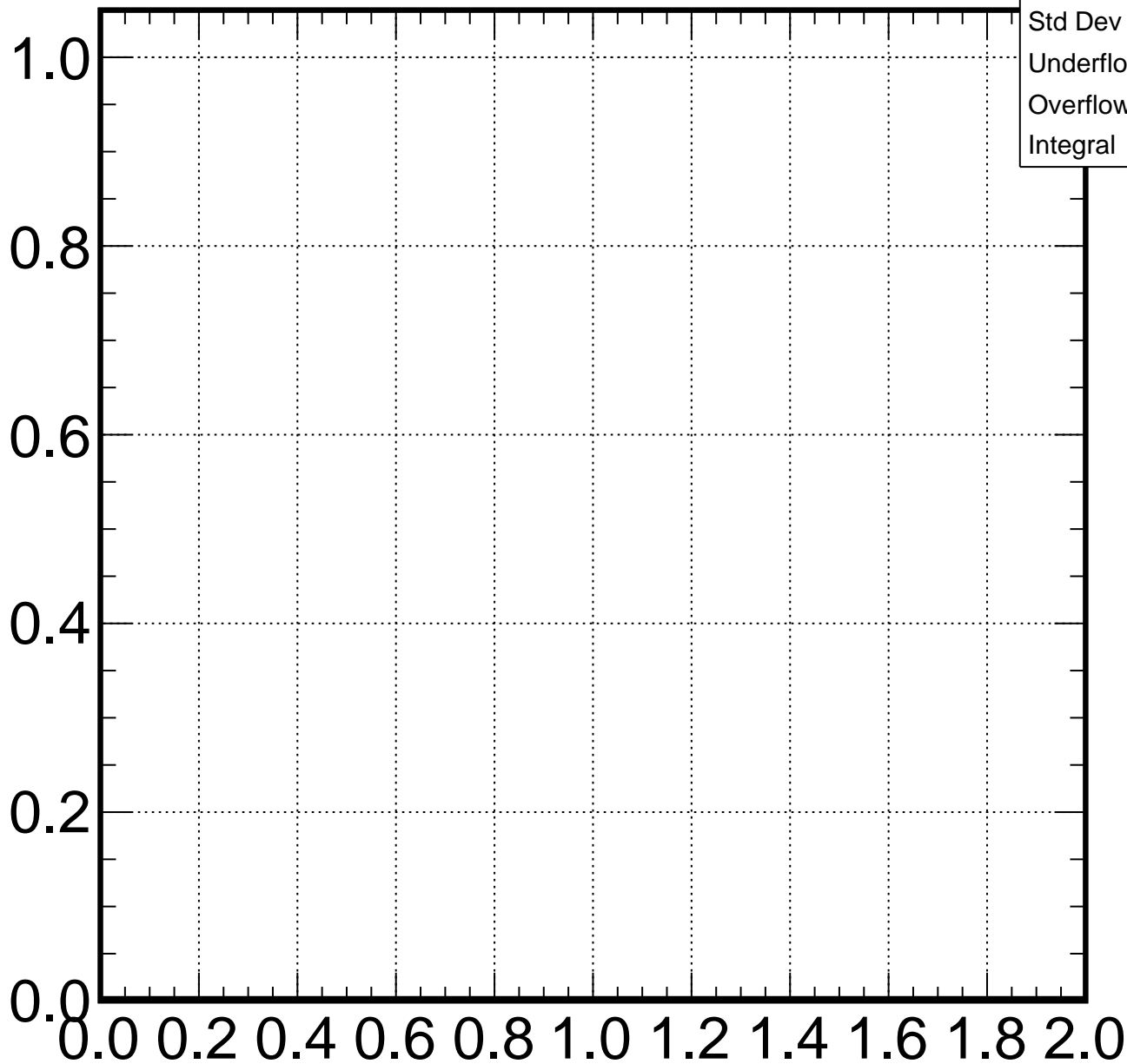
h_1d_hpt_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hx2_fail



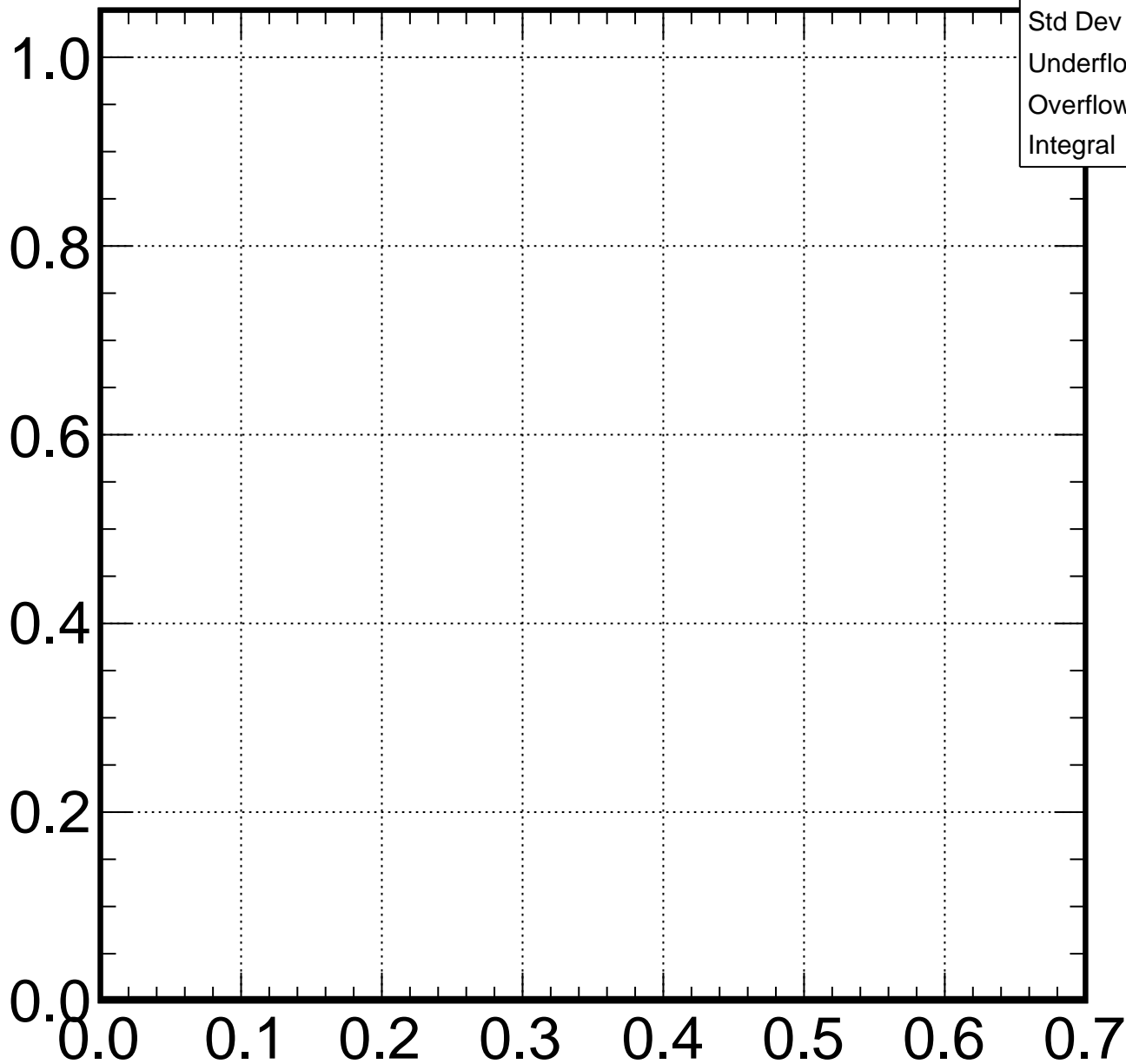
h_1d_hx2_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hptas_fail



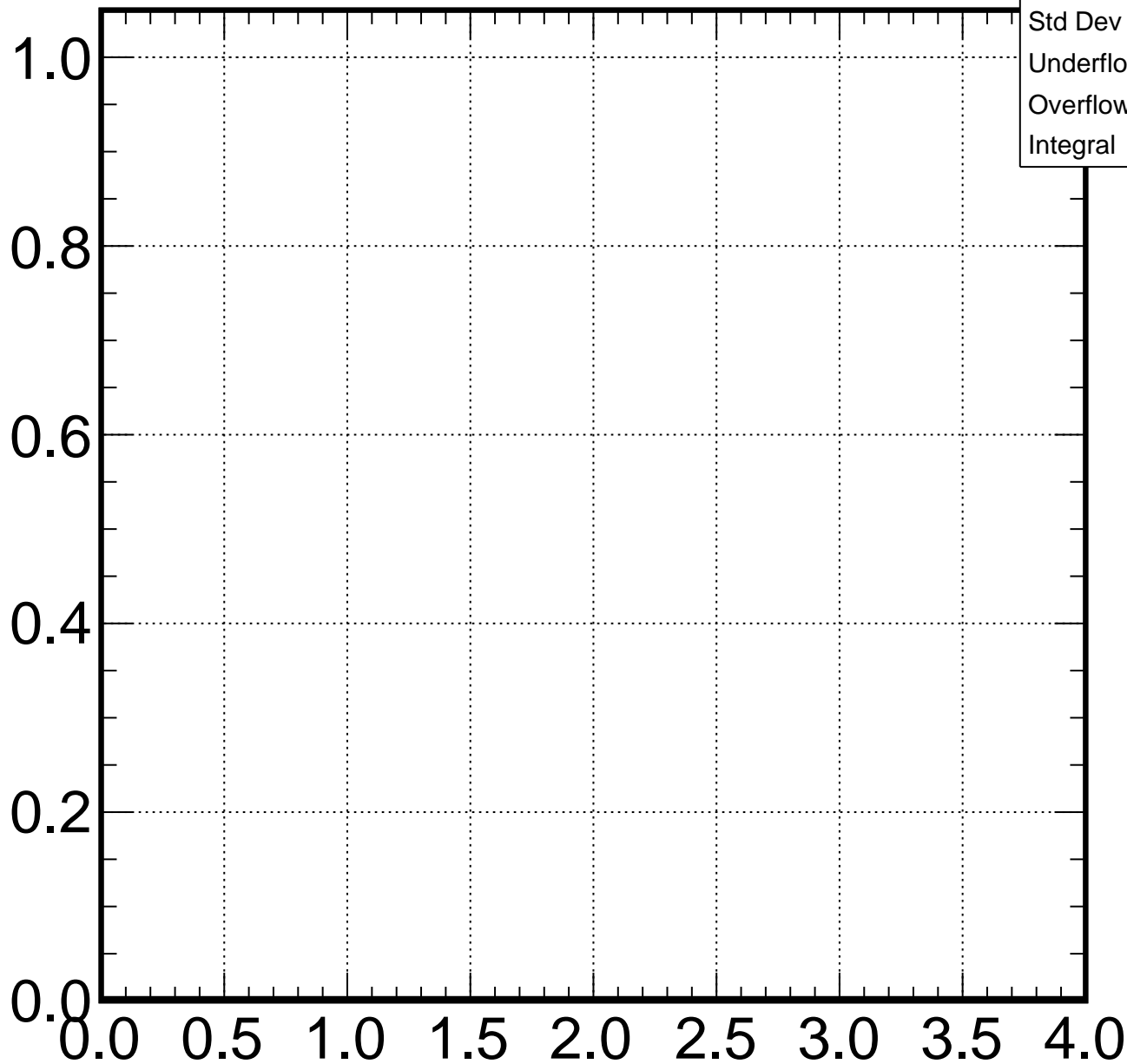
h_1d_hptas_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hptsd_fail



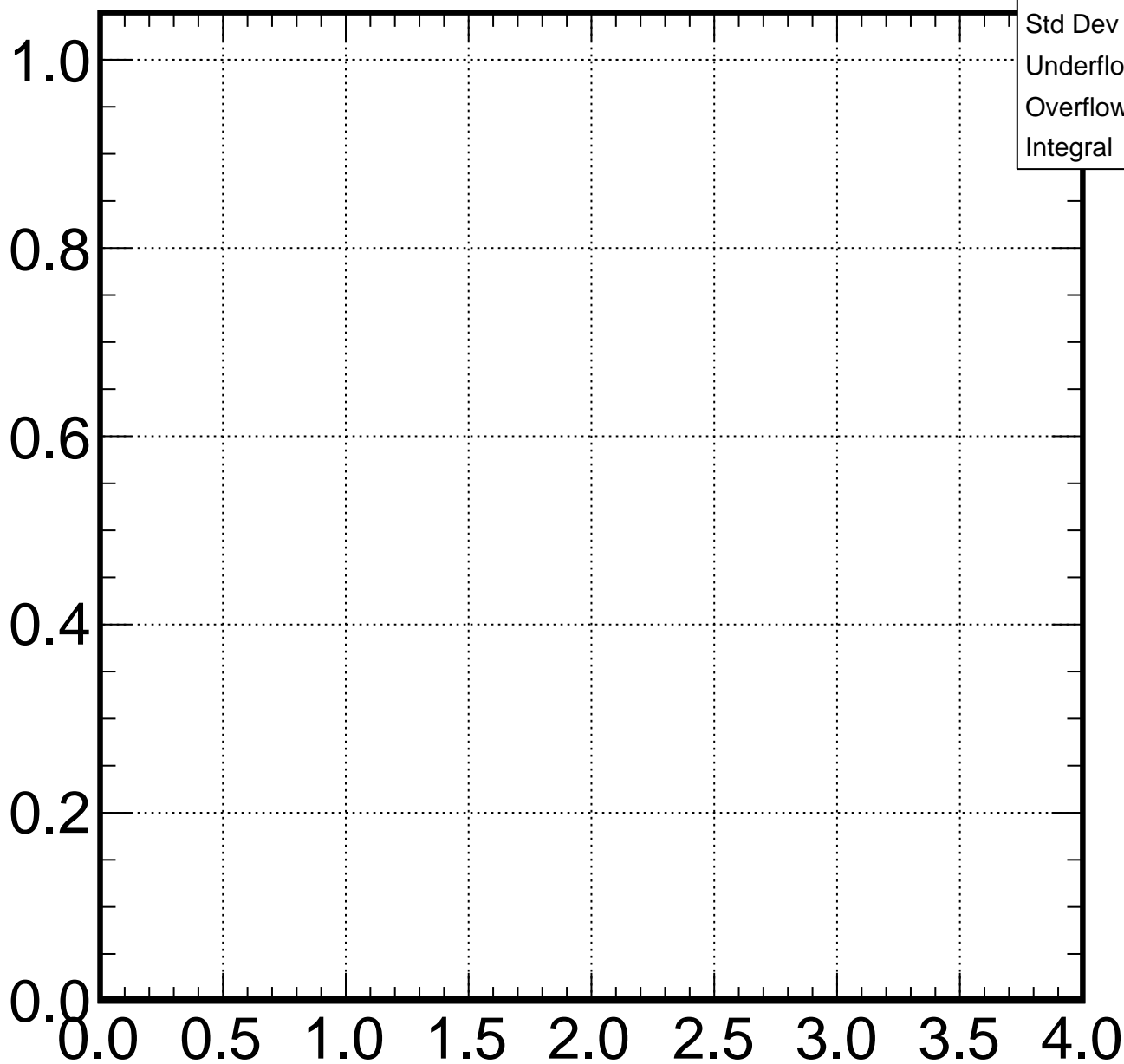
h_1d_hptsd_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hDeltaR_fail



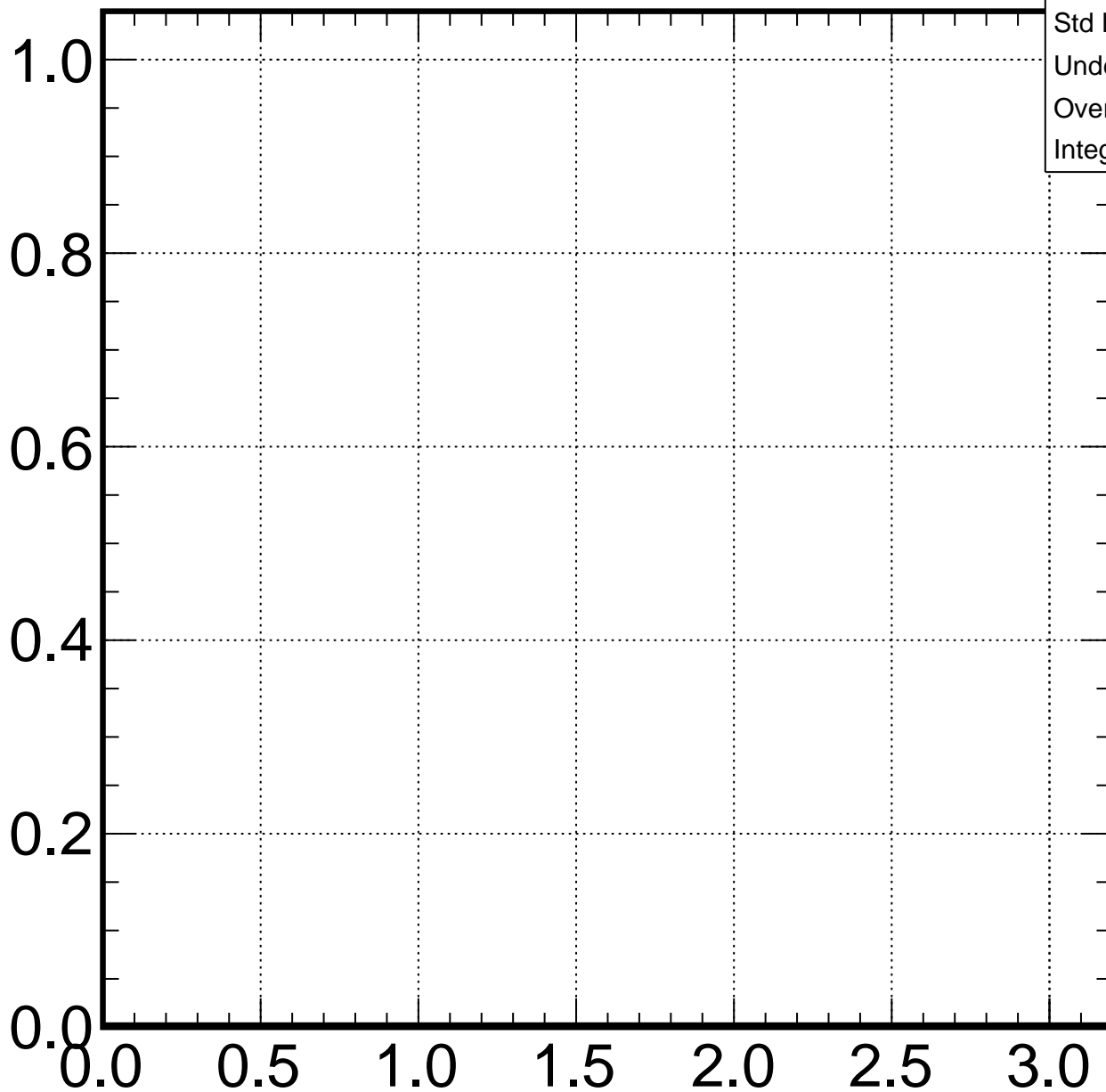
h_1d_hDeltaR_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hDeltaEta_fail



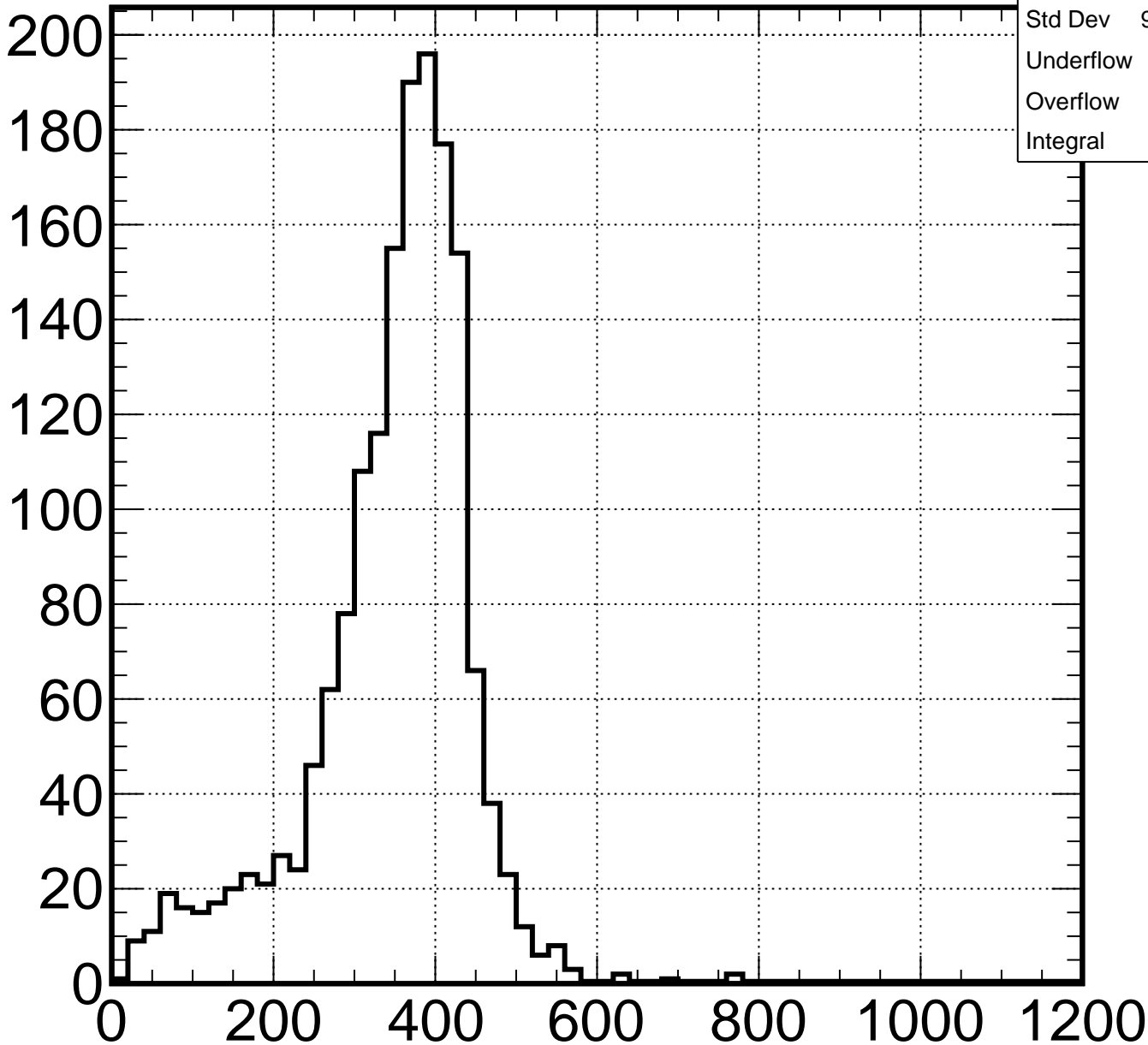
h_1d_hDeltaEta_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hDeltaPhi_fail



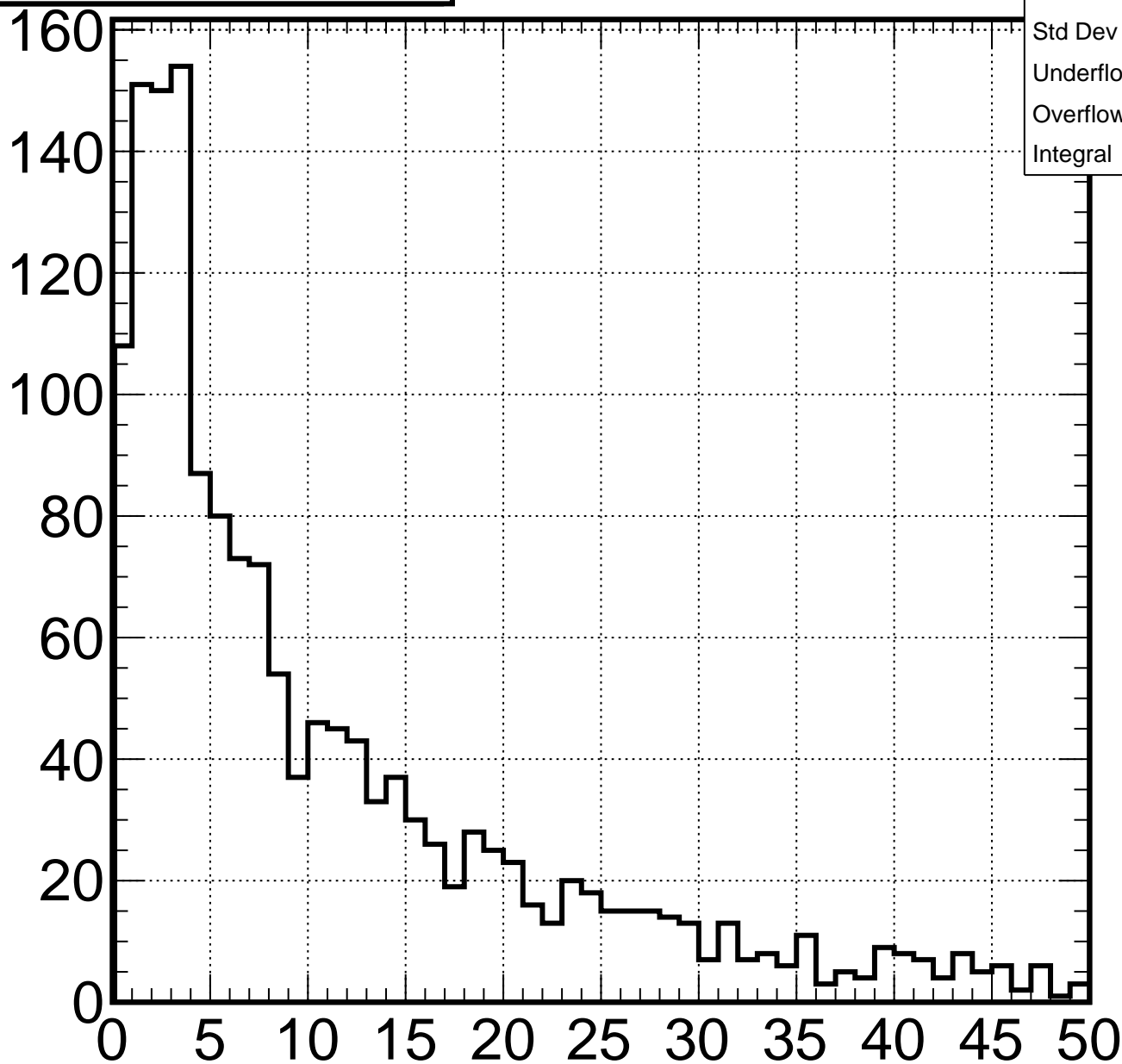
h_1d_hDeltaPhi_fail	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hpt_pass



h_1d_hpt_pass	
Mean	346.4
Std Dev	97.72
Underflow	0
Overflow	0
Integral	1646

h_1d_hx2_pass



h_1d_hx2_pass

Mean 10.94

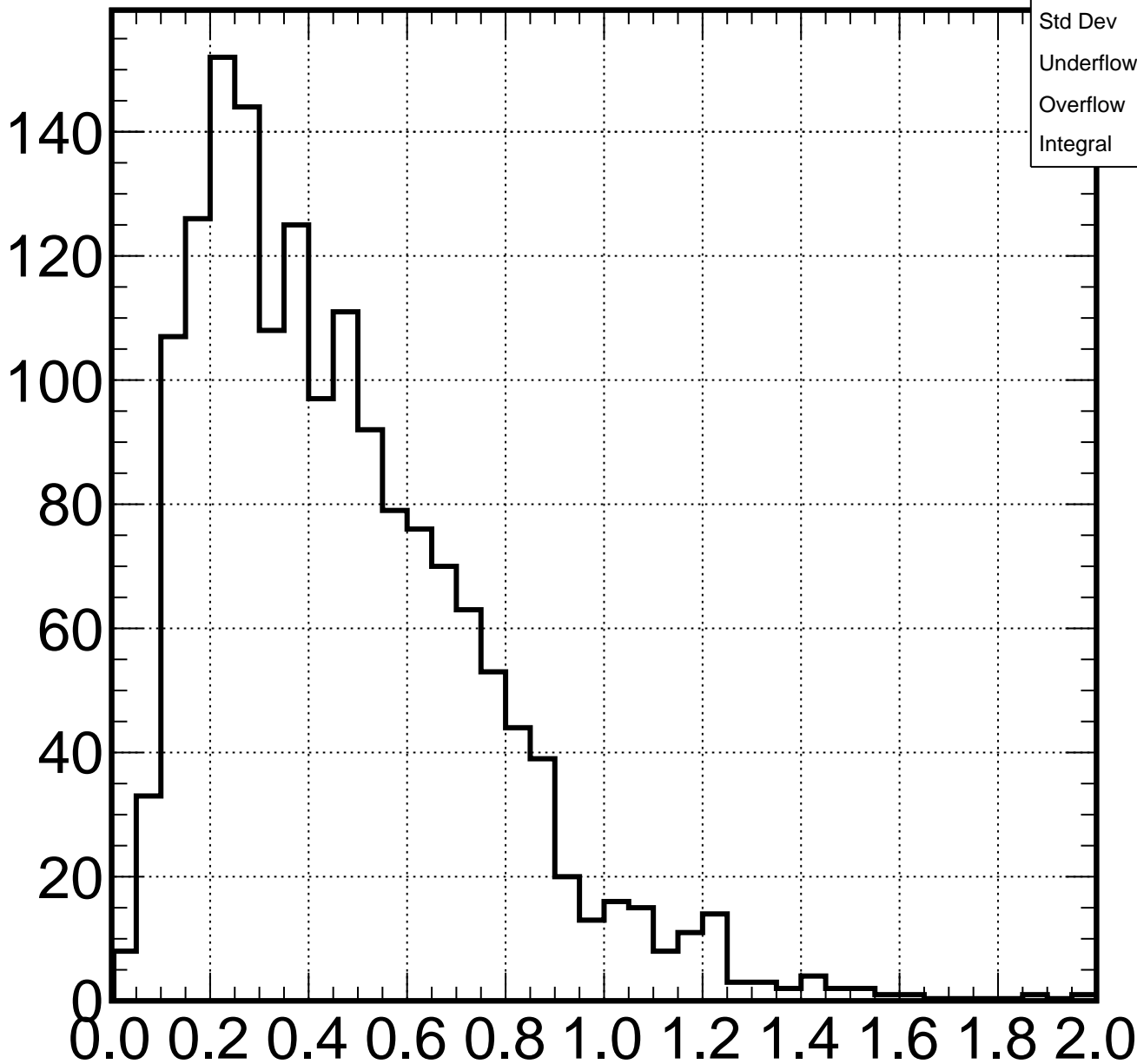
Std Dev 10.89

Underflow 0

Overflow 63

Integral 1583

h_1d_hptas_pass



h_1d_hptas_pass

Mean 0.4652

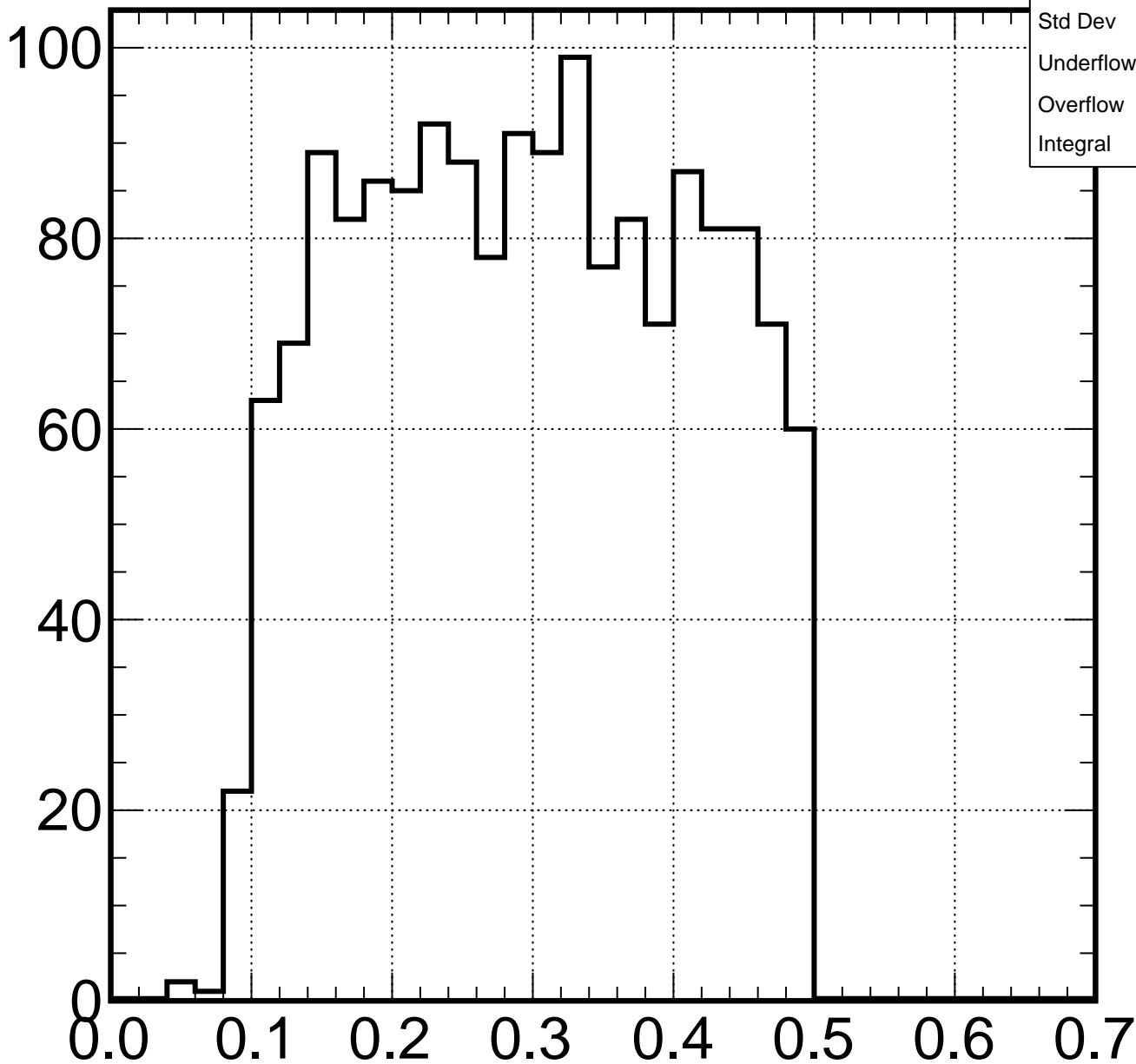
Std Dev 0.2814

Underflow 0

Overflow 2

Integral 1644

h_1d_hptsd_pass



h_1d_hptsd_pass

Mean 0.2947

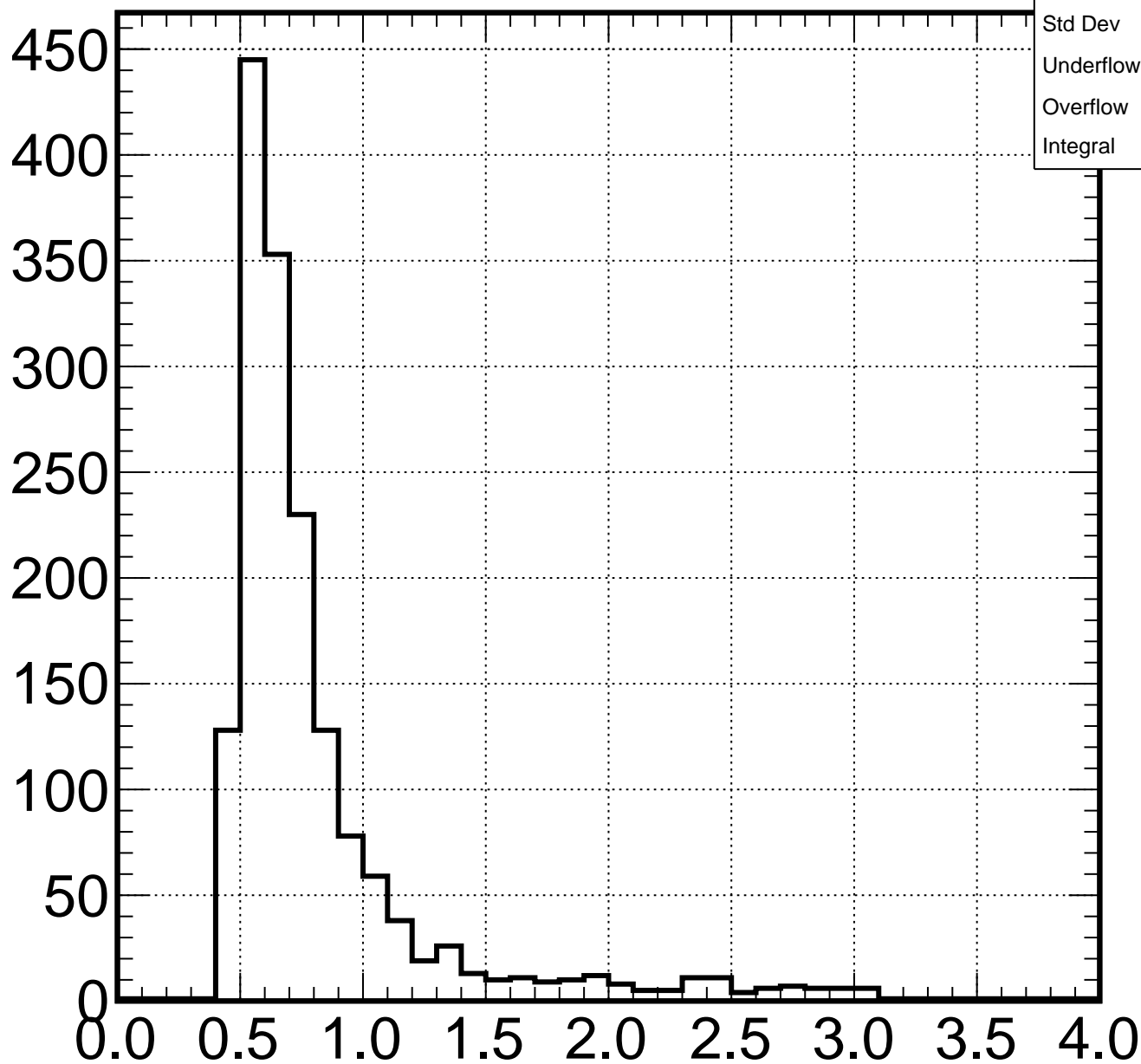
Std Dev 0.1129

Underflow 0

Overflow 0

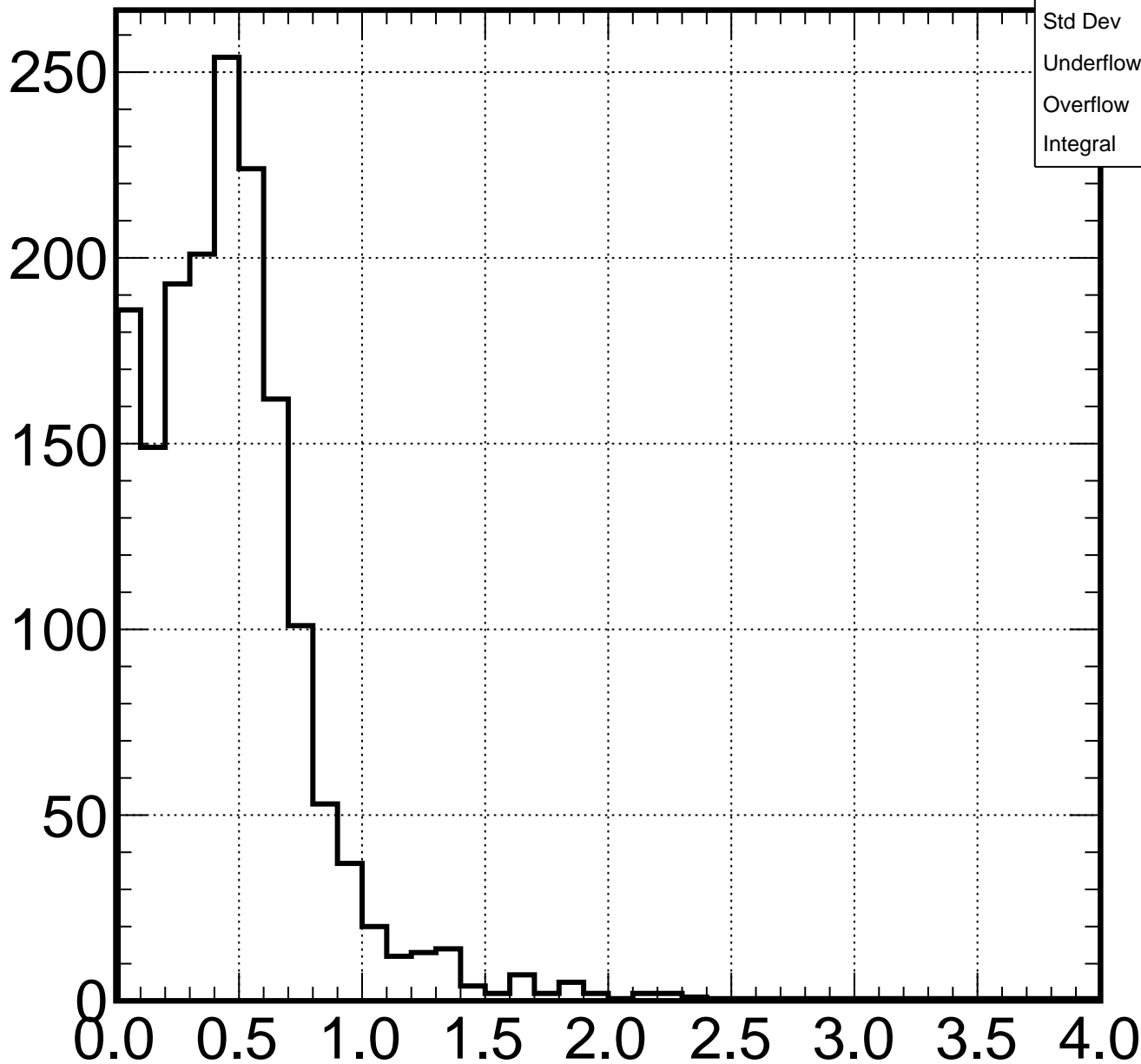
Integral 1646

h_1d_hDeltaR_pass



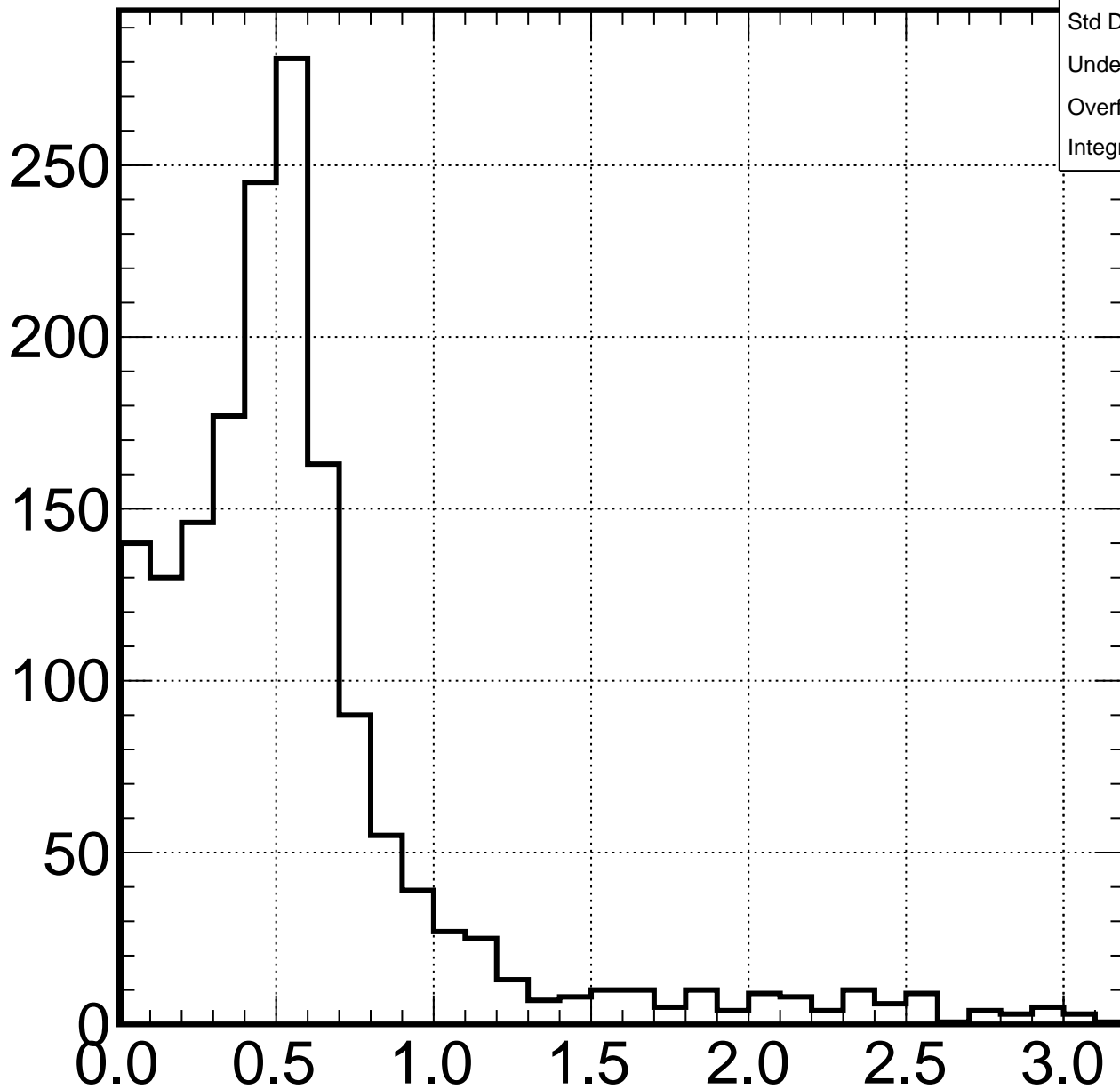
h_1d_hDeltaR_pass	
Mean	0.8256
Std Dev	0.4718
Underflow	0
Overflow	0
Integral	1646

h_1d_hDeltaEta_pass



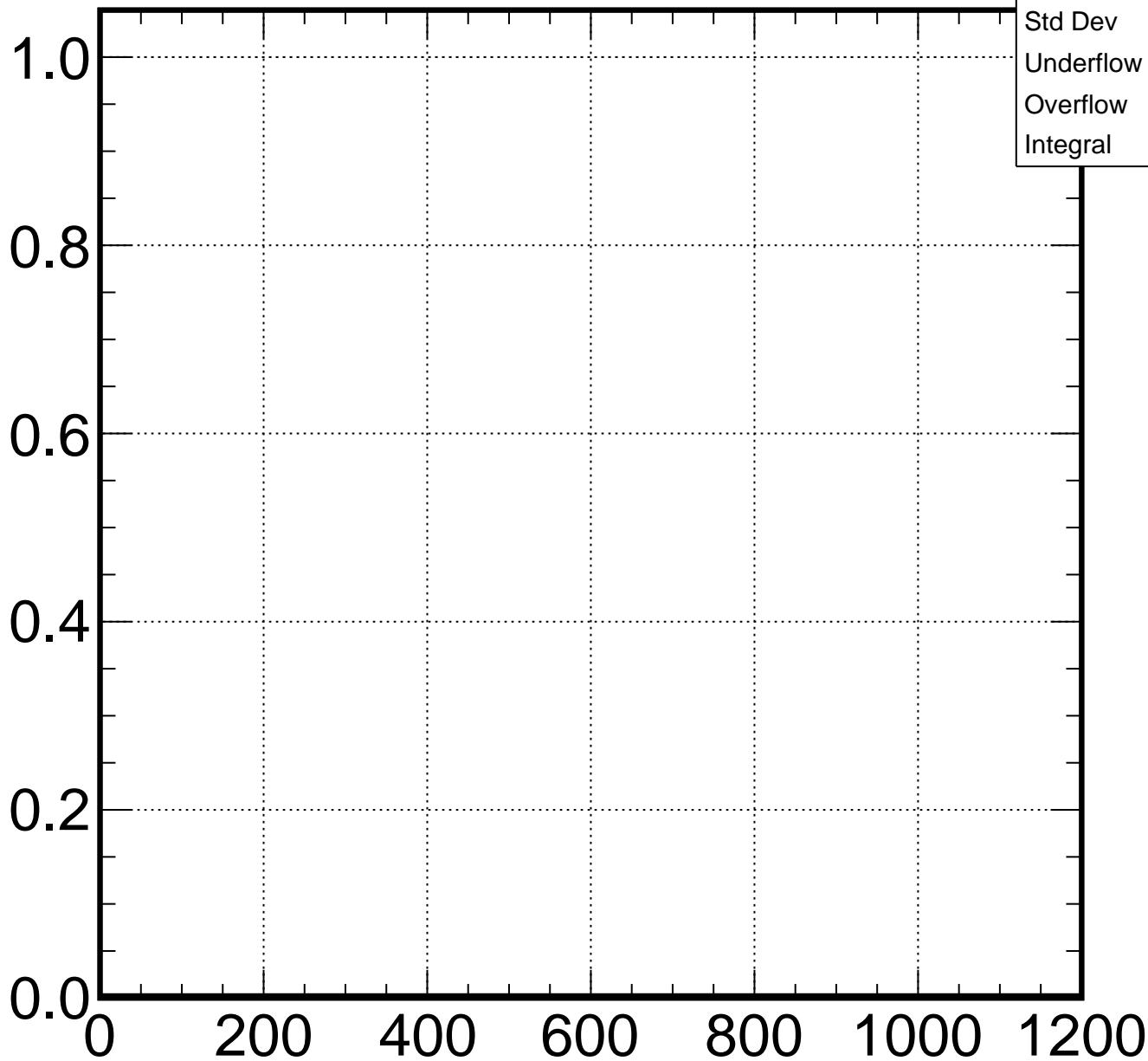
h_1d_hDeltaEta_pass	
Mean	0.4649
Std Dev	0.322
Underflow	0
Overflow	0
Integral	1646

h_1d_hDeltaPhi_pass



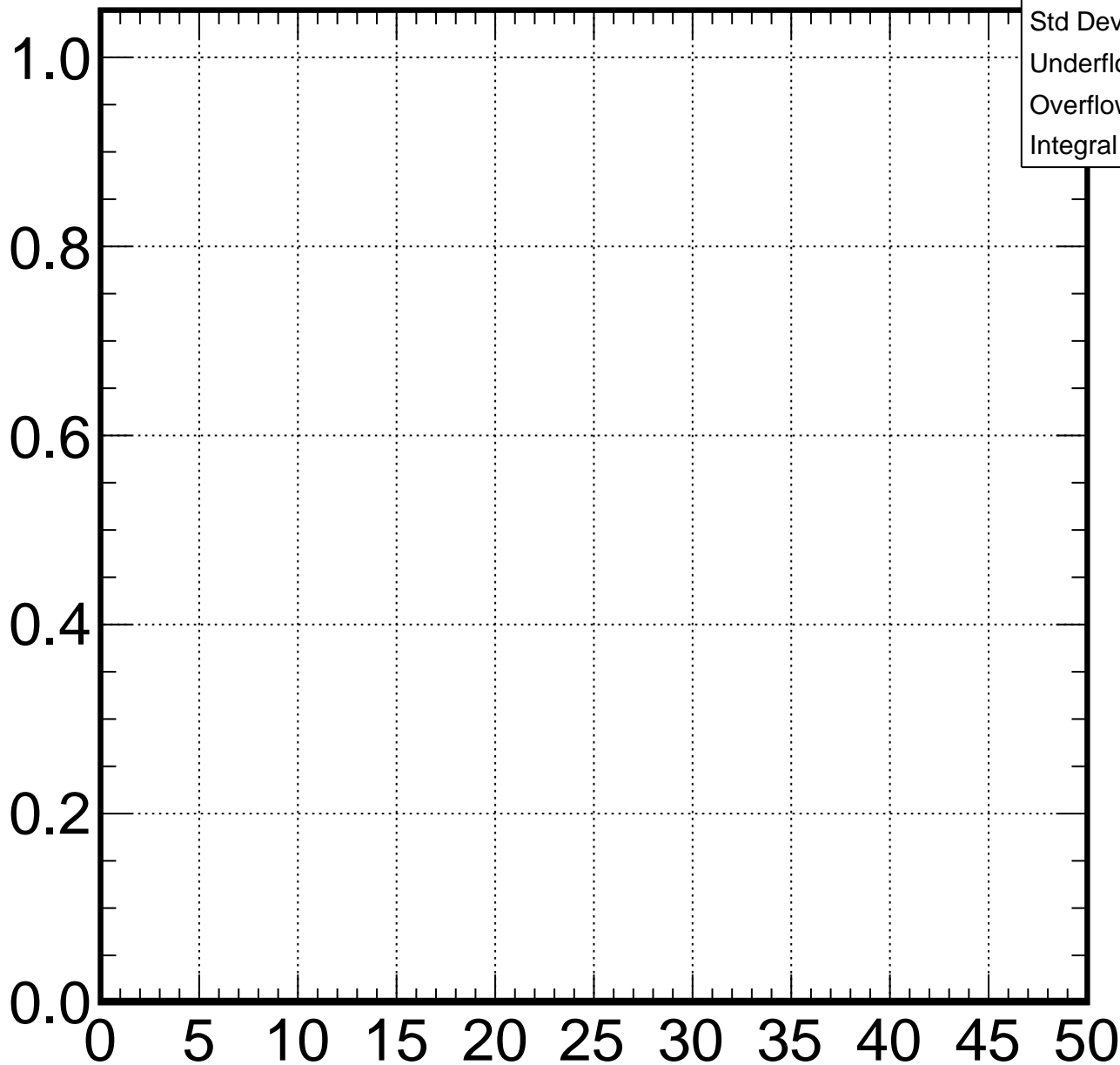
h_1d_hDeltaPhi_pass	
Mean	0.5816
Std Dev	0.4961
Underflow	0
Overflow	0
Integral	1646

h_1d_hpt_ratio



h_1d_hpt_ratio	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hx2_ratio



h_1d_hx2_ratio	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hptas_ratio

h_1d_hptas_ratio

Mean 0

Std Dev 0

Underflow 0

Overflow 0

Integral 0

1.0

0.8

0.6

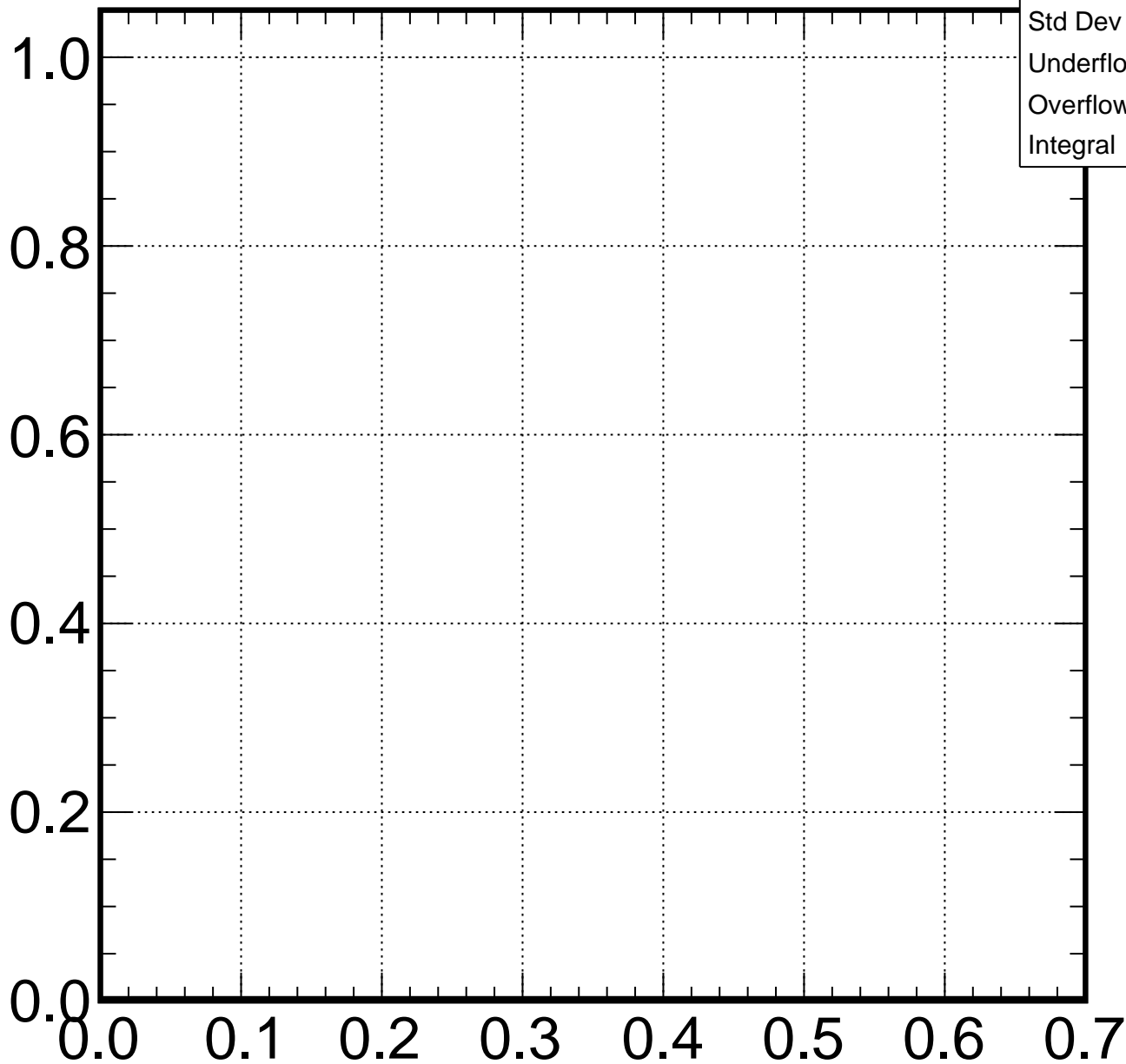
0.4

0.2

0.0

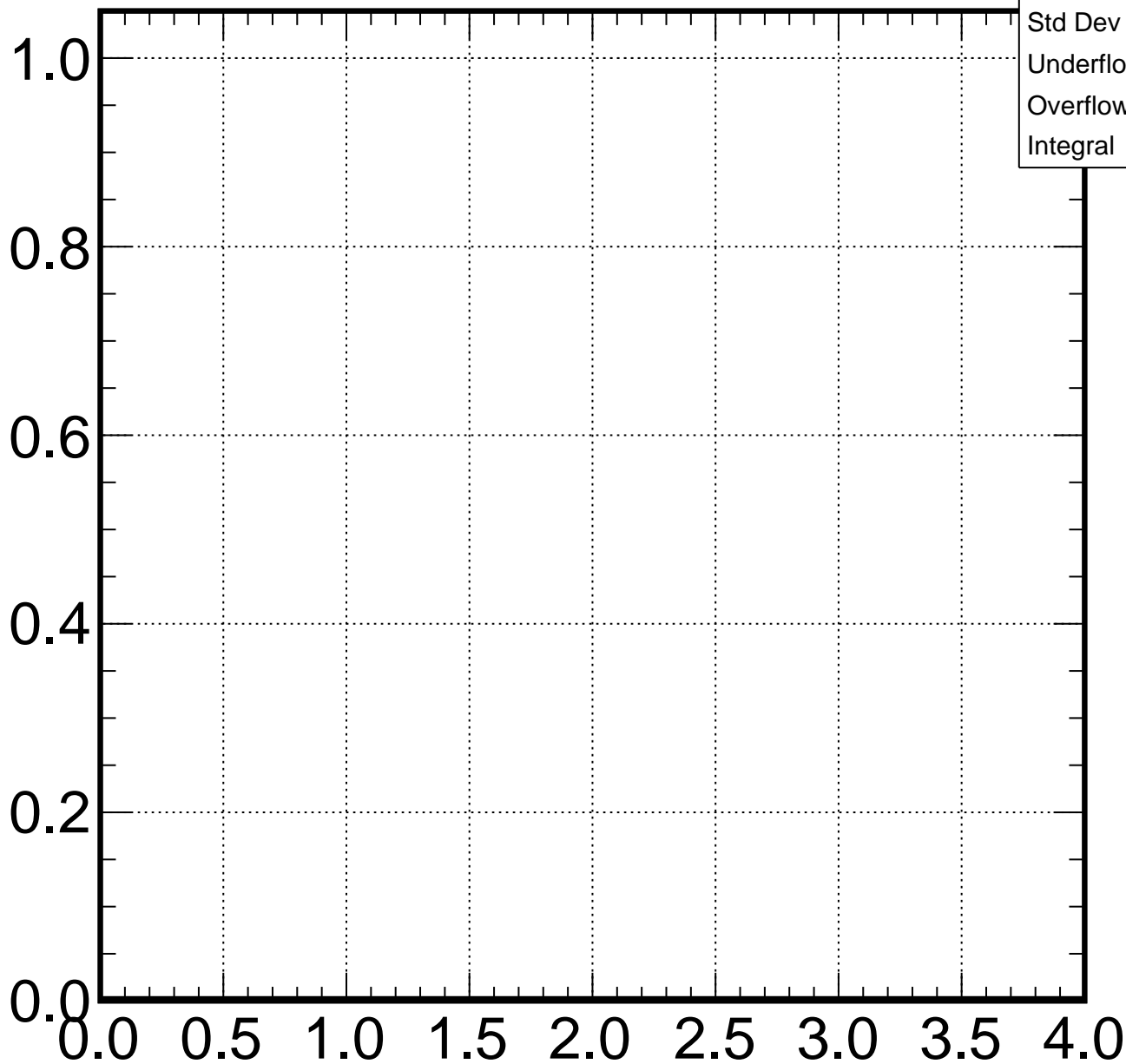
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0

h_1d_hptsd_ratio



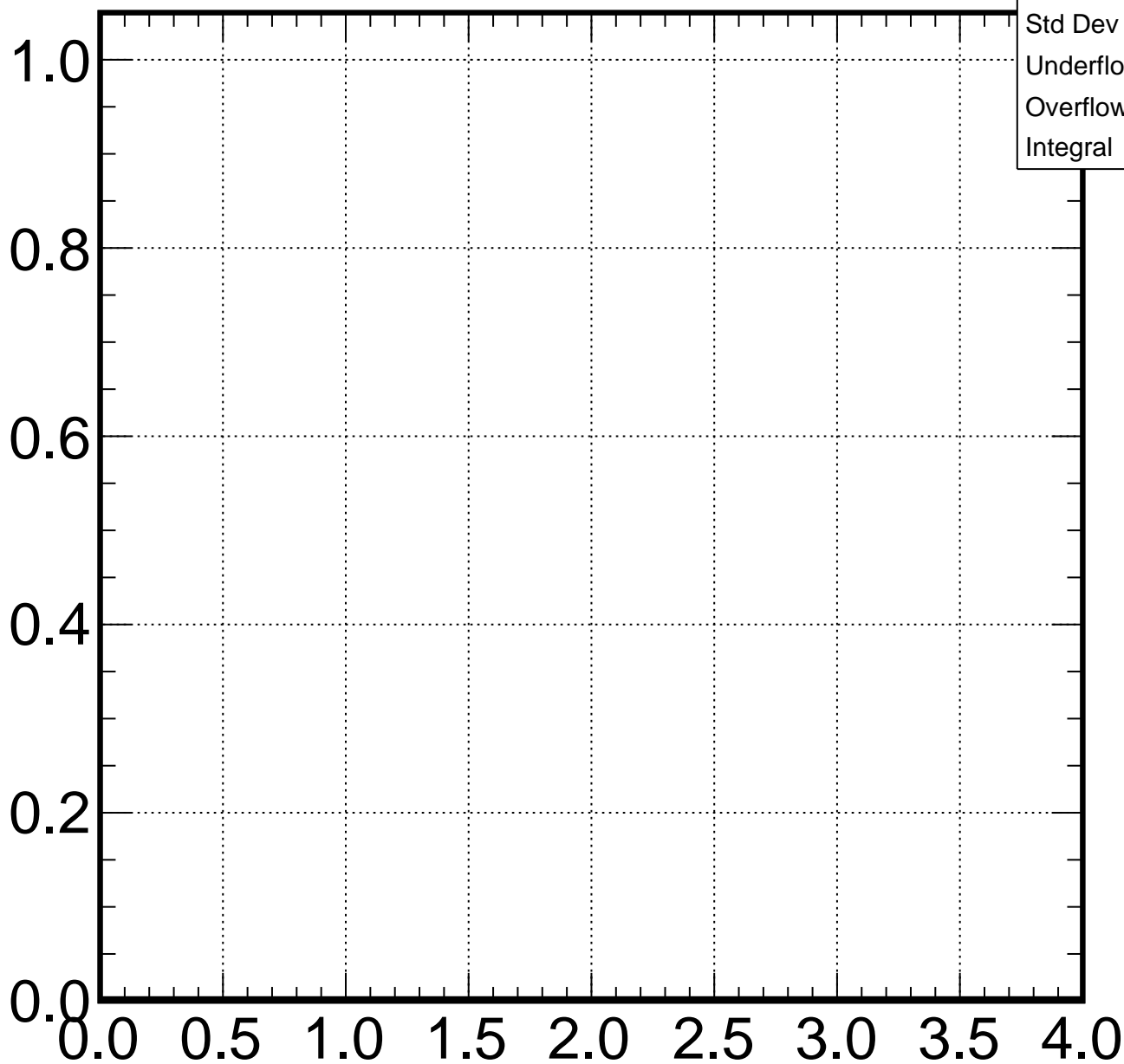
h_1d_hptsd_ratio	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hDeltaR_ratio



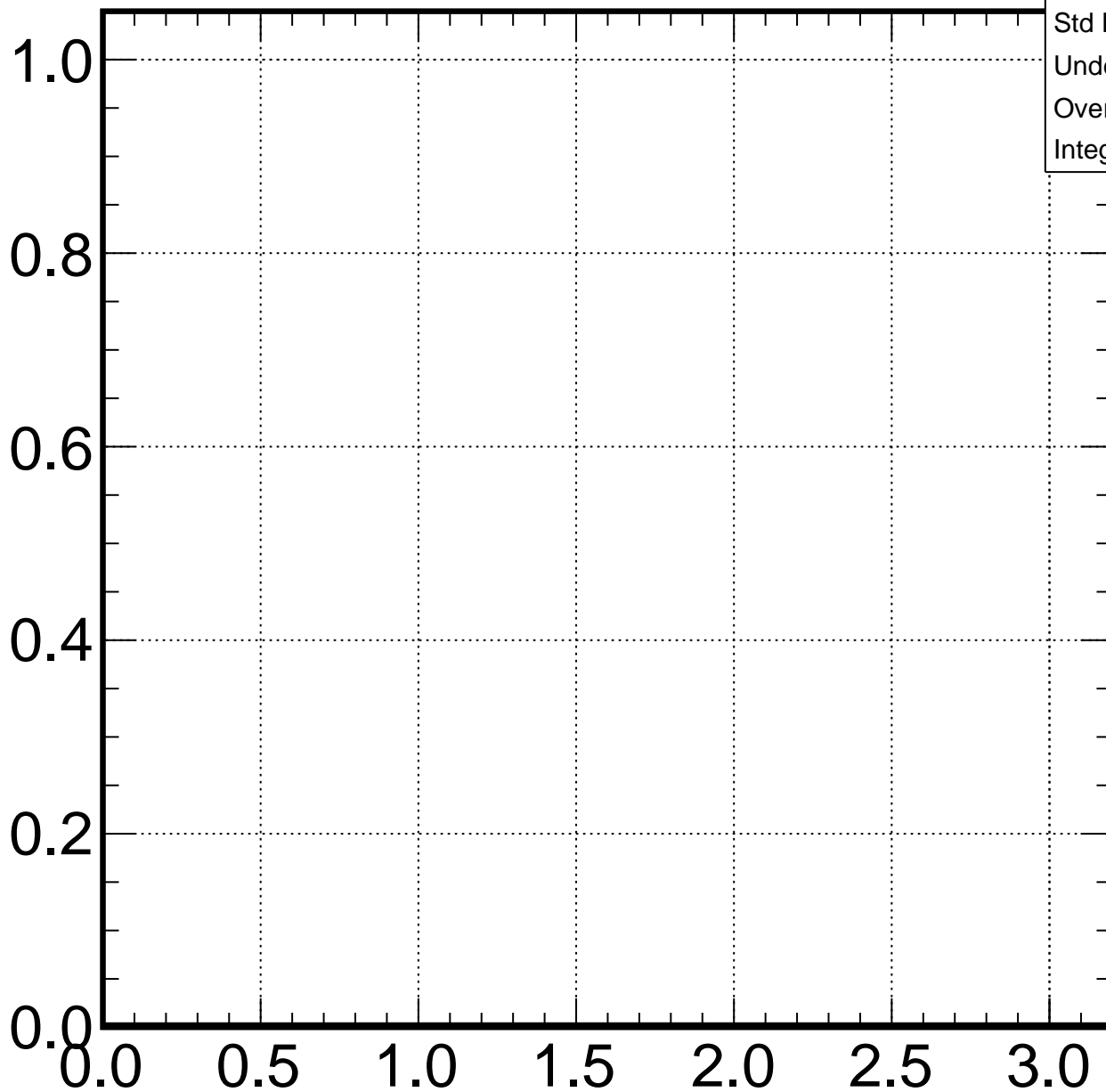
h_1d_hDeltaR_ratio	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hDeltaEta_ratio



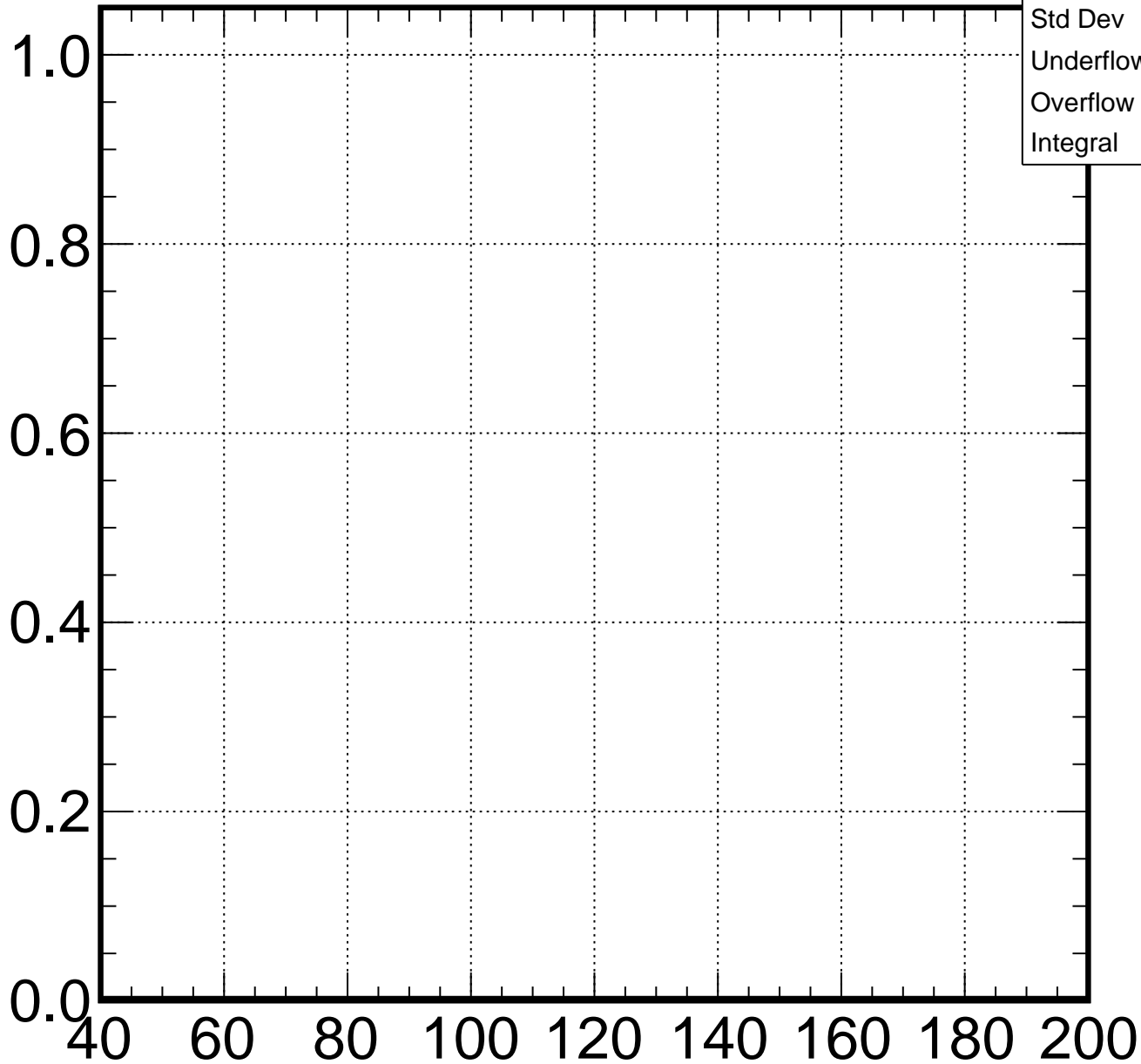
h_1d_hDeltaEta_ratio	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_1d_hDeltaPhi_ratio



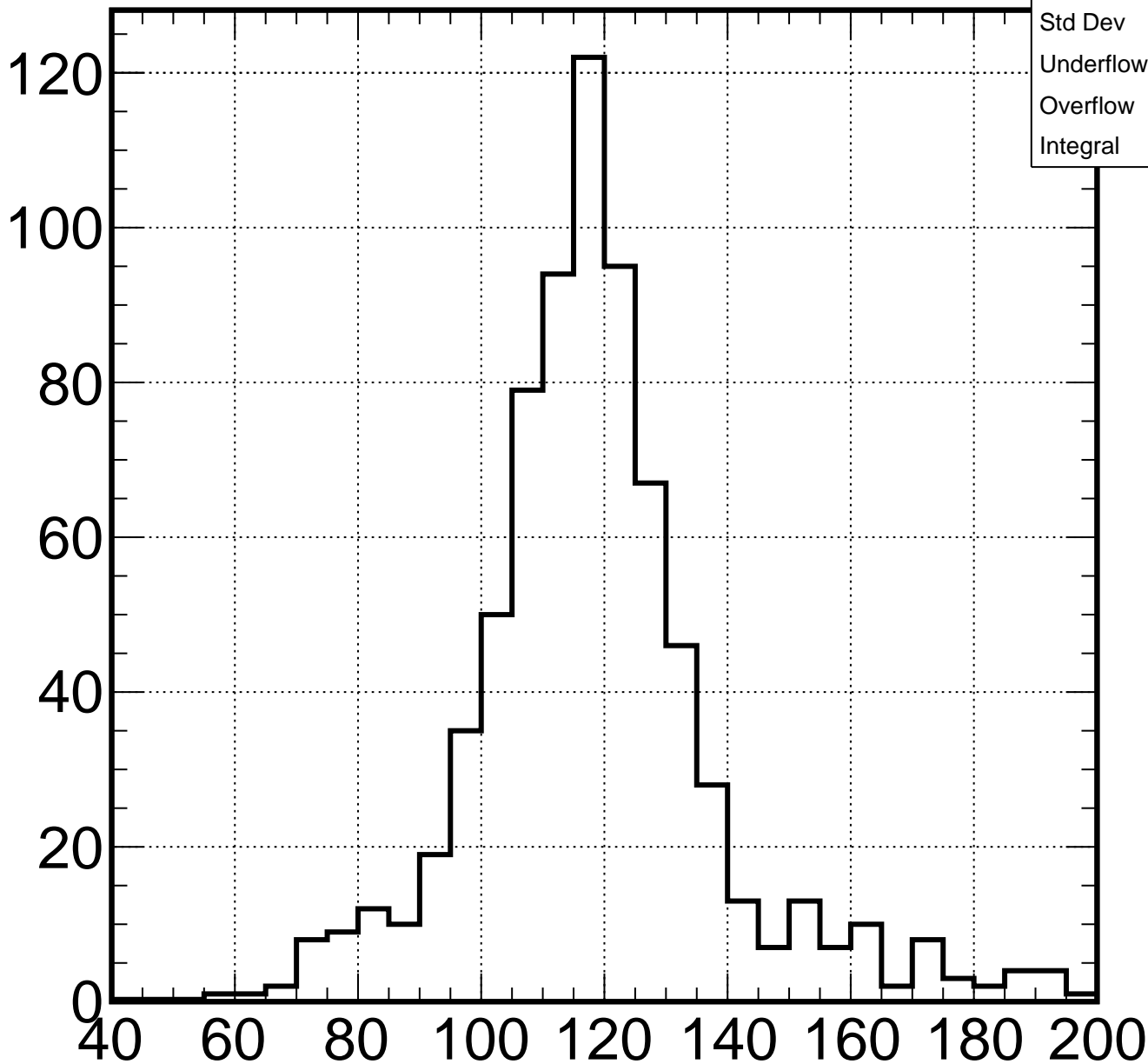
h_1d_hDeltaPhi_ratio	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_minhiggsM_fail_L

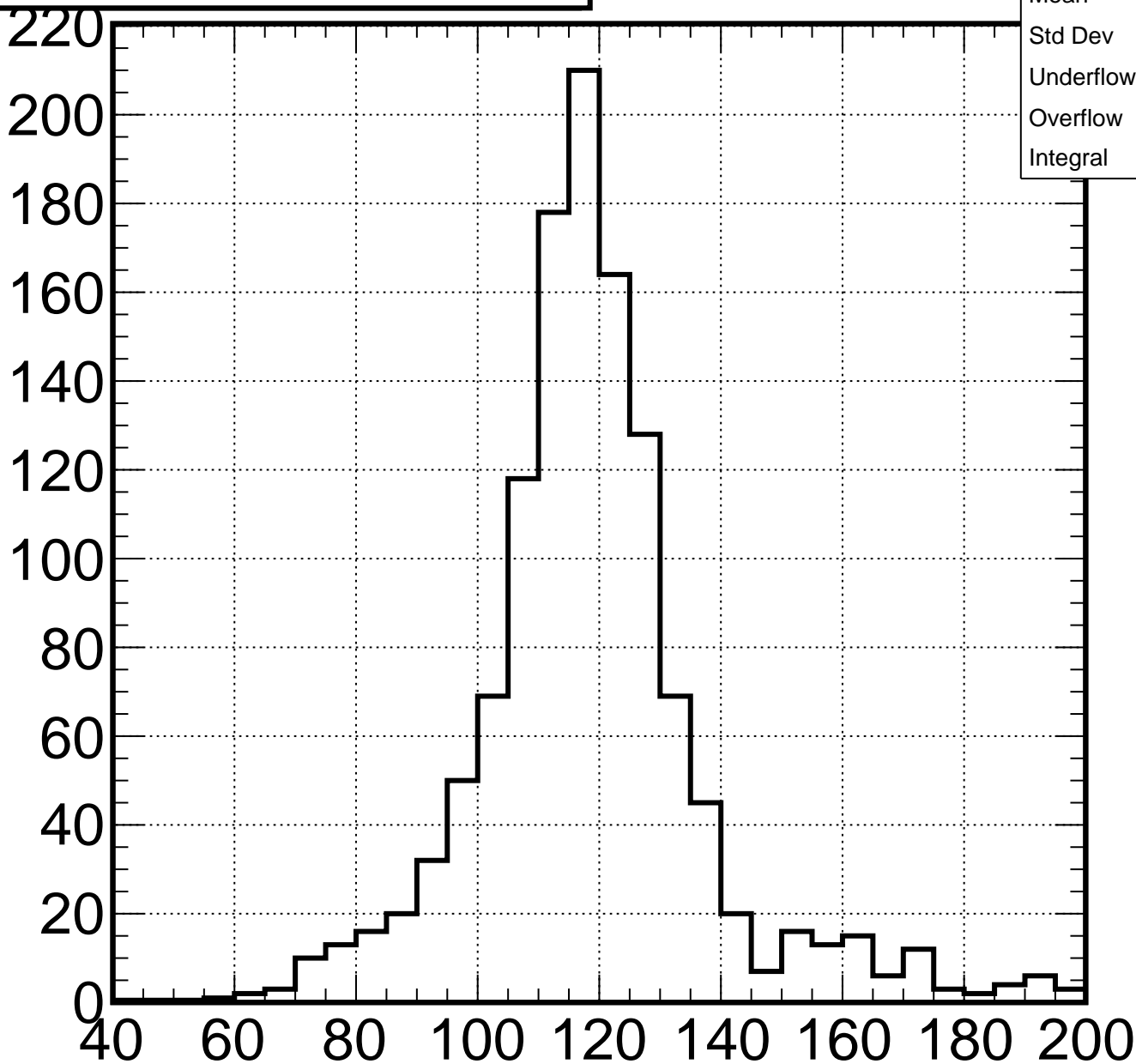


h_minhiggsM_fail_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

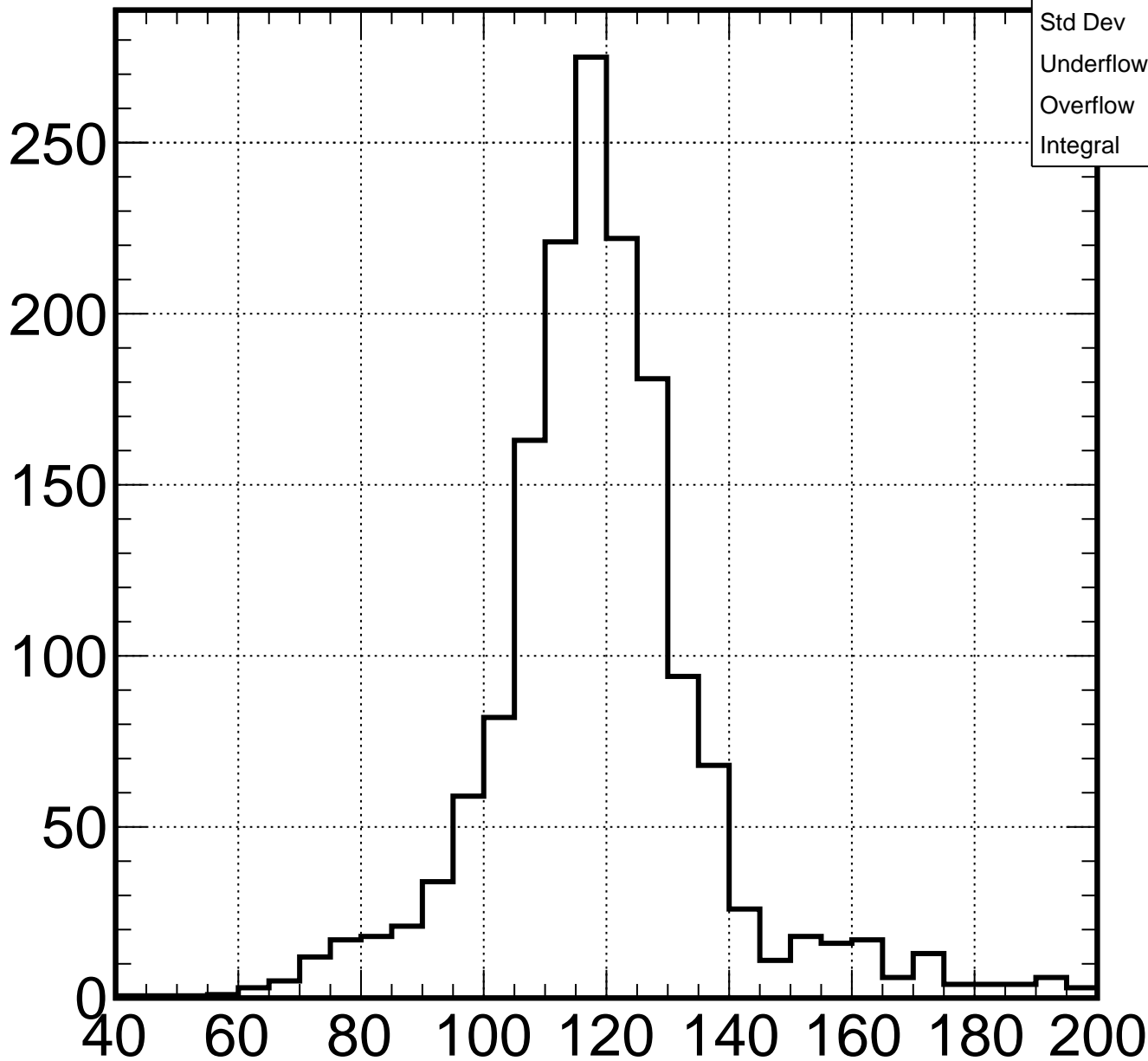
h_minhiggsM_fail_M



h_minhiggsM_fail_T

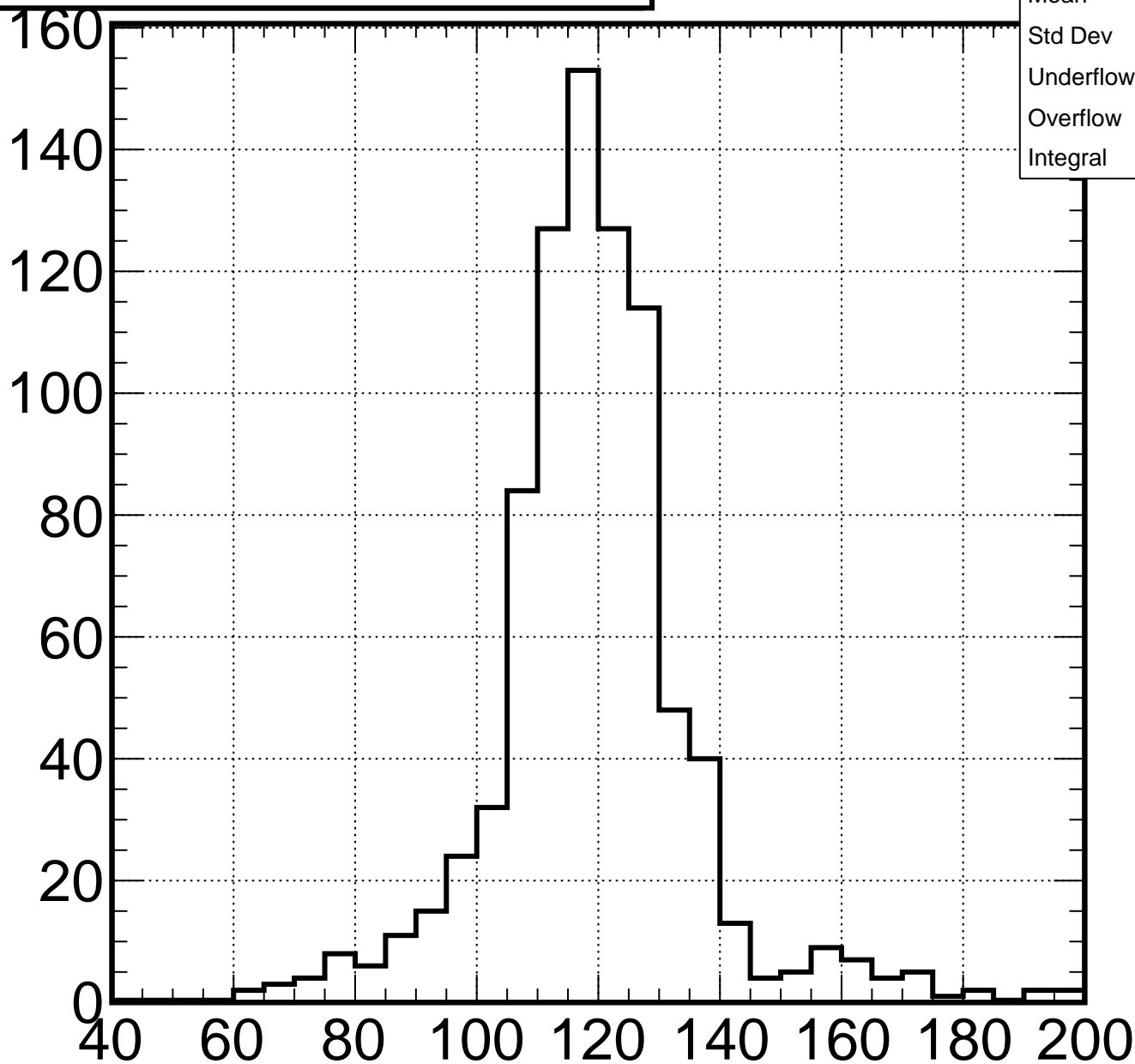


h_minhiggsM_pass_L

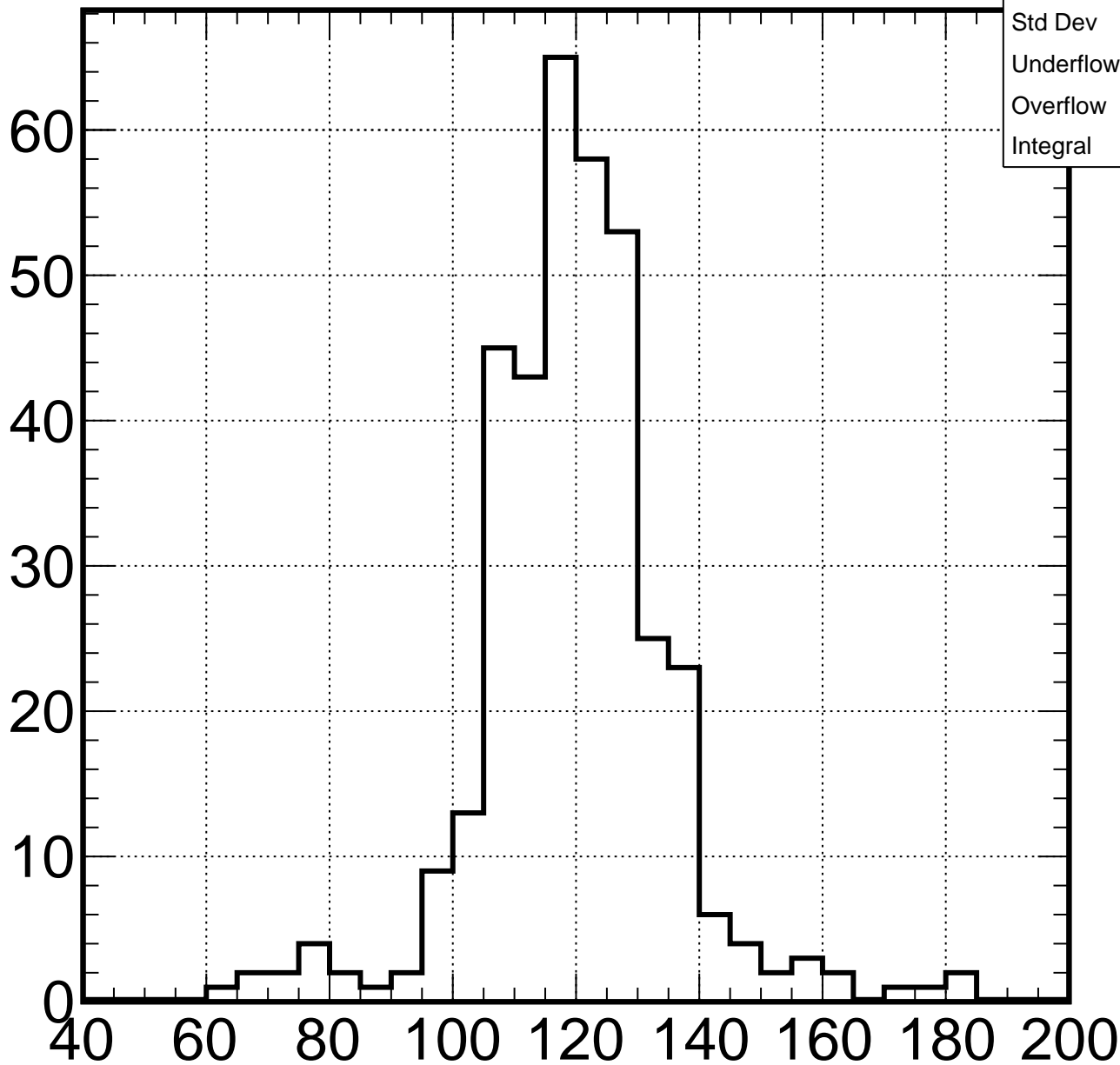


h_minhiggsM_pass_L	
Mean	118.9
Std Dev	18.3
Underflow	0
Overflow	42
Integral	1604

h_minhiggsM_pass_M

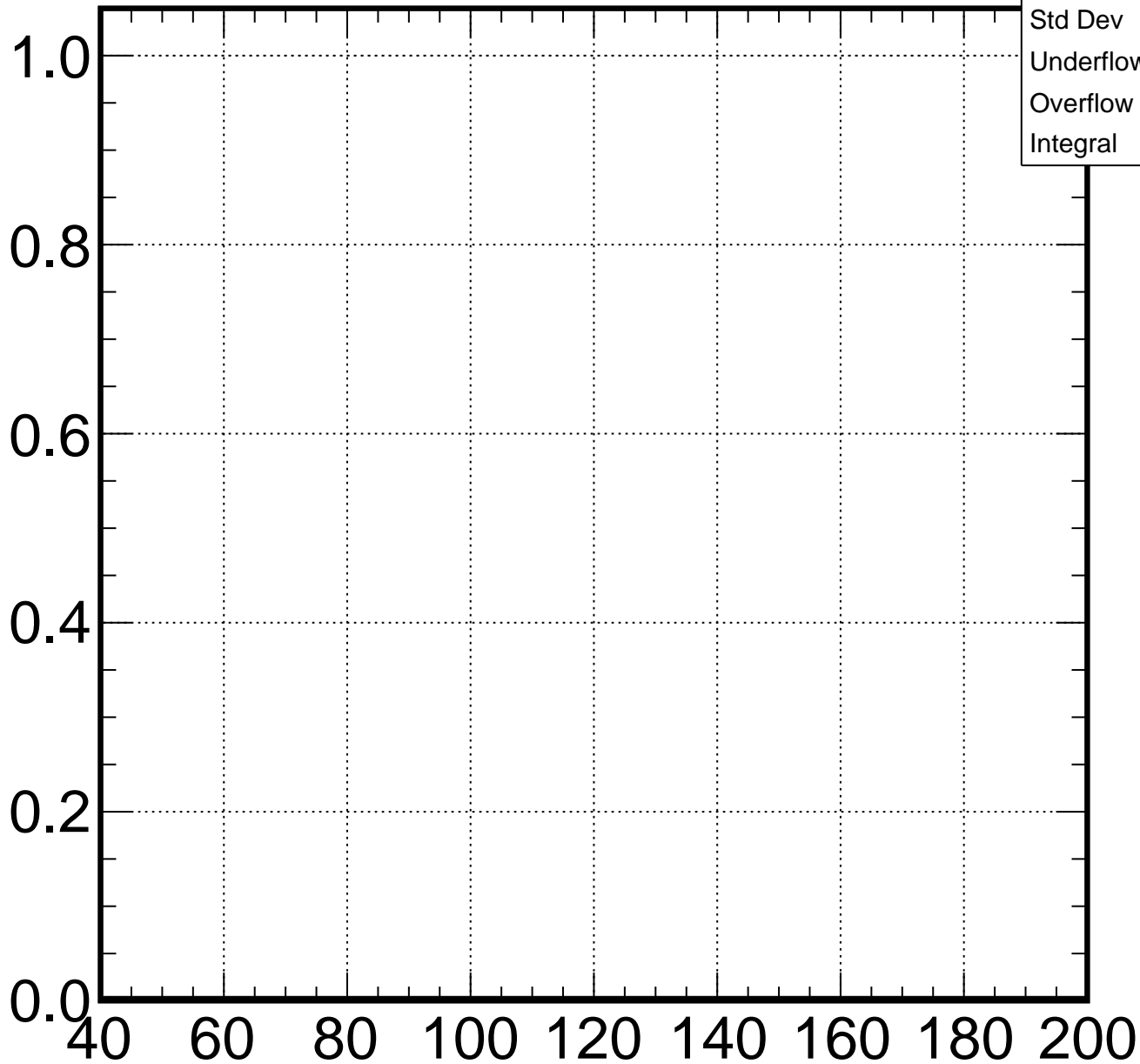


h_minhiggsM_pass_T



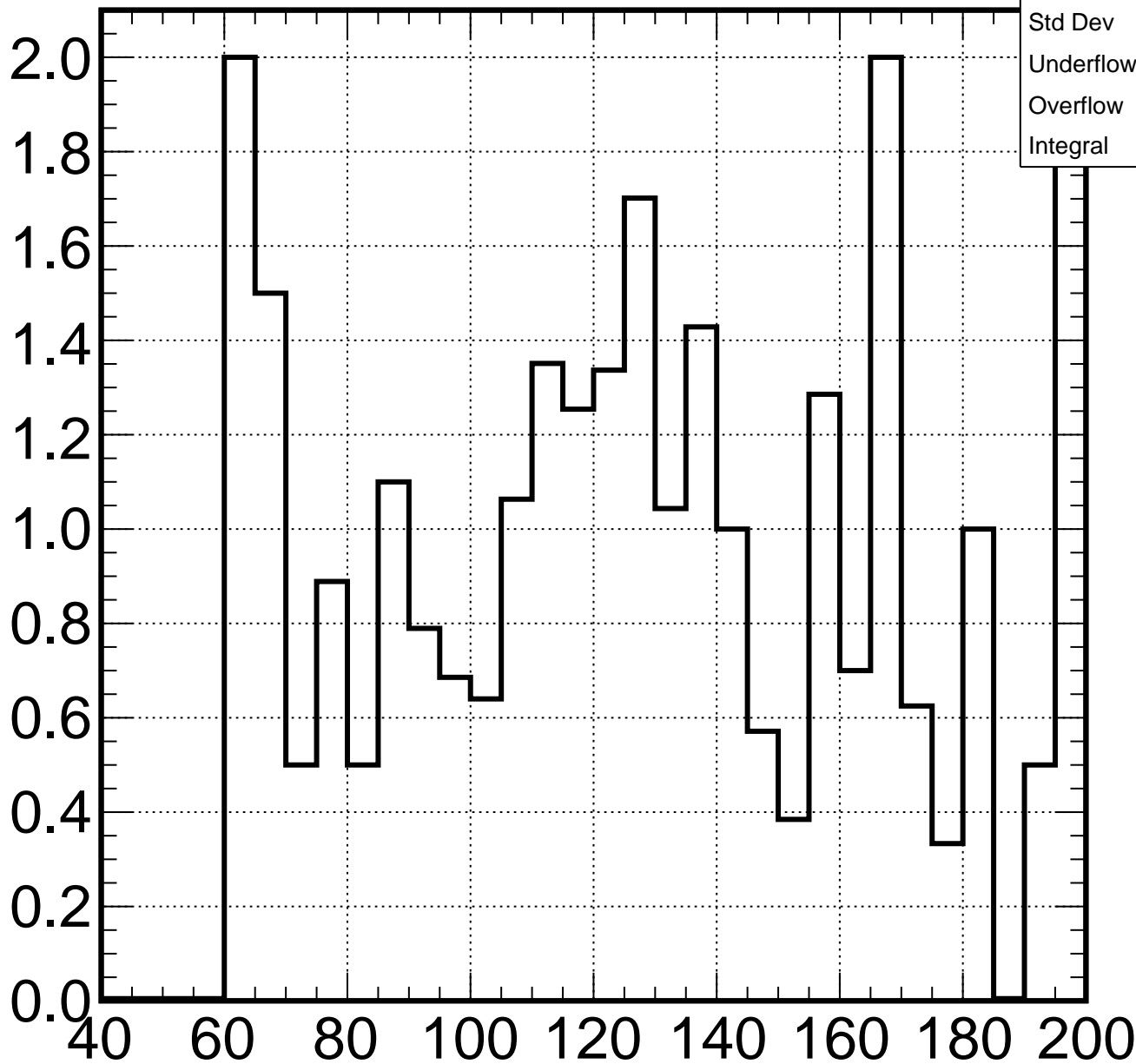
h_minhiggsM_pass_T	
Mean	119.8
Std Dev	15.36
Underflow	0
Overflow	9
Integral	369

h_minhiggsM_ratio_L



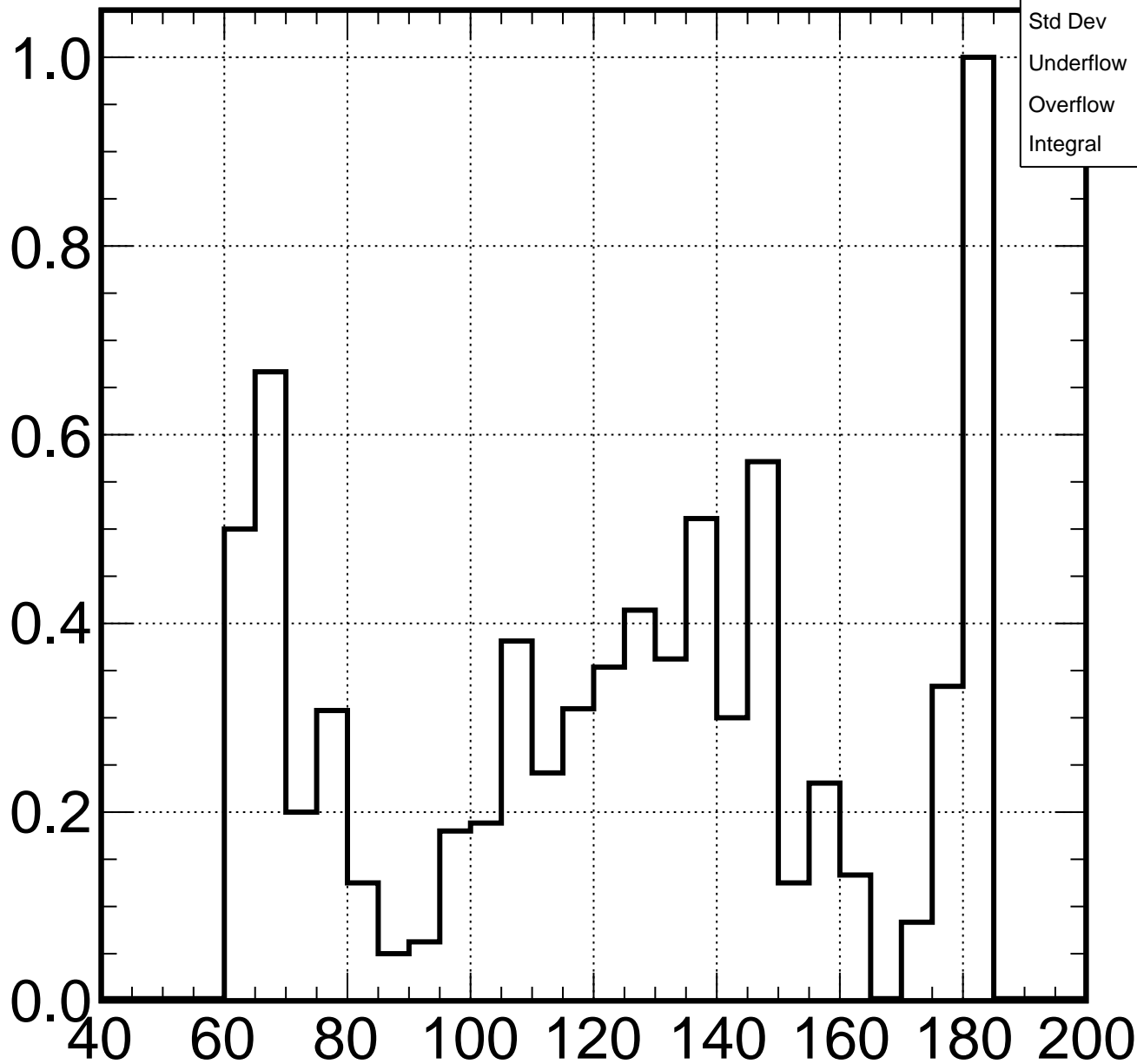
h_minhiggsM_ratio_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_minhiggsM_ratio_M



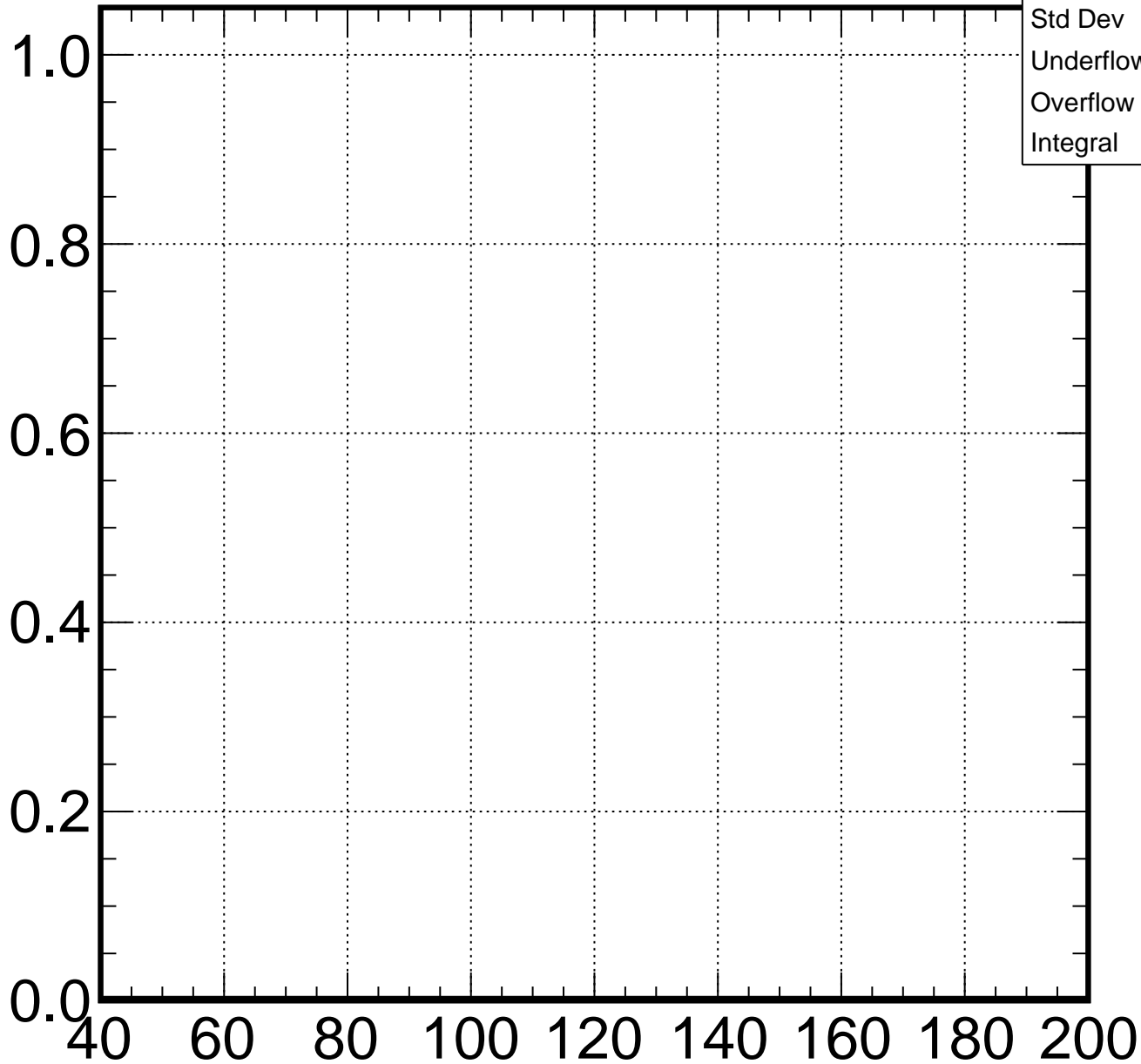
h_minhiggsM_ratio_M	
Mean	127.1
Std Dev	40.55
Underflow	0
Overflow	0.68
Integral	28.18

h_minhiggsM_ratio_T



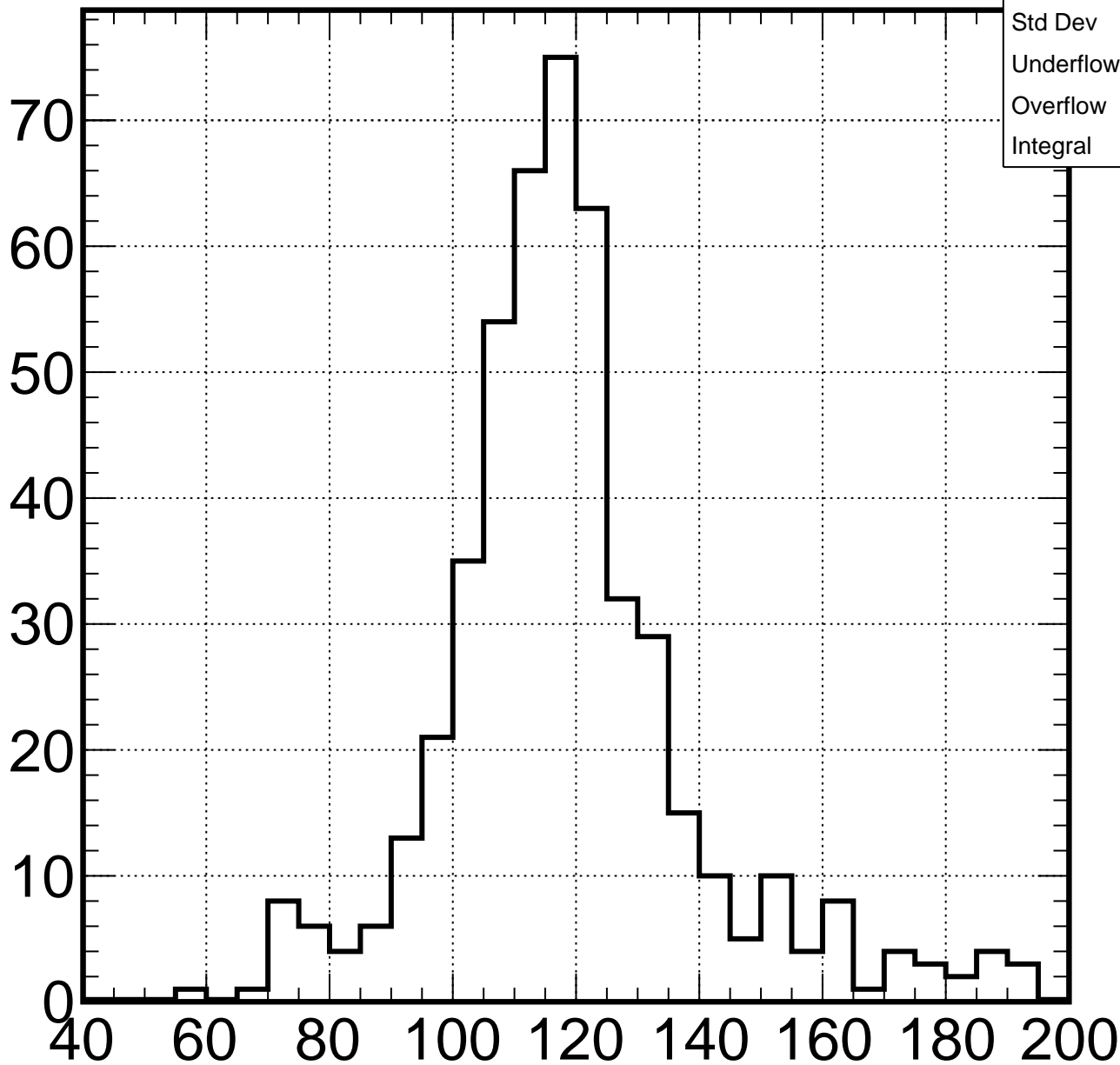
h_minhiggsM_ratio_T	
Mean	124.6
Std Dev	38.98
Underflow	0
Overflow	0.2727
Integral	7.631

h_meanhiggsM_fail_L



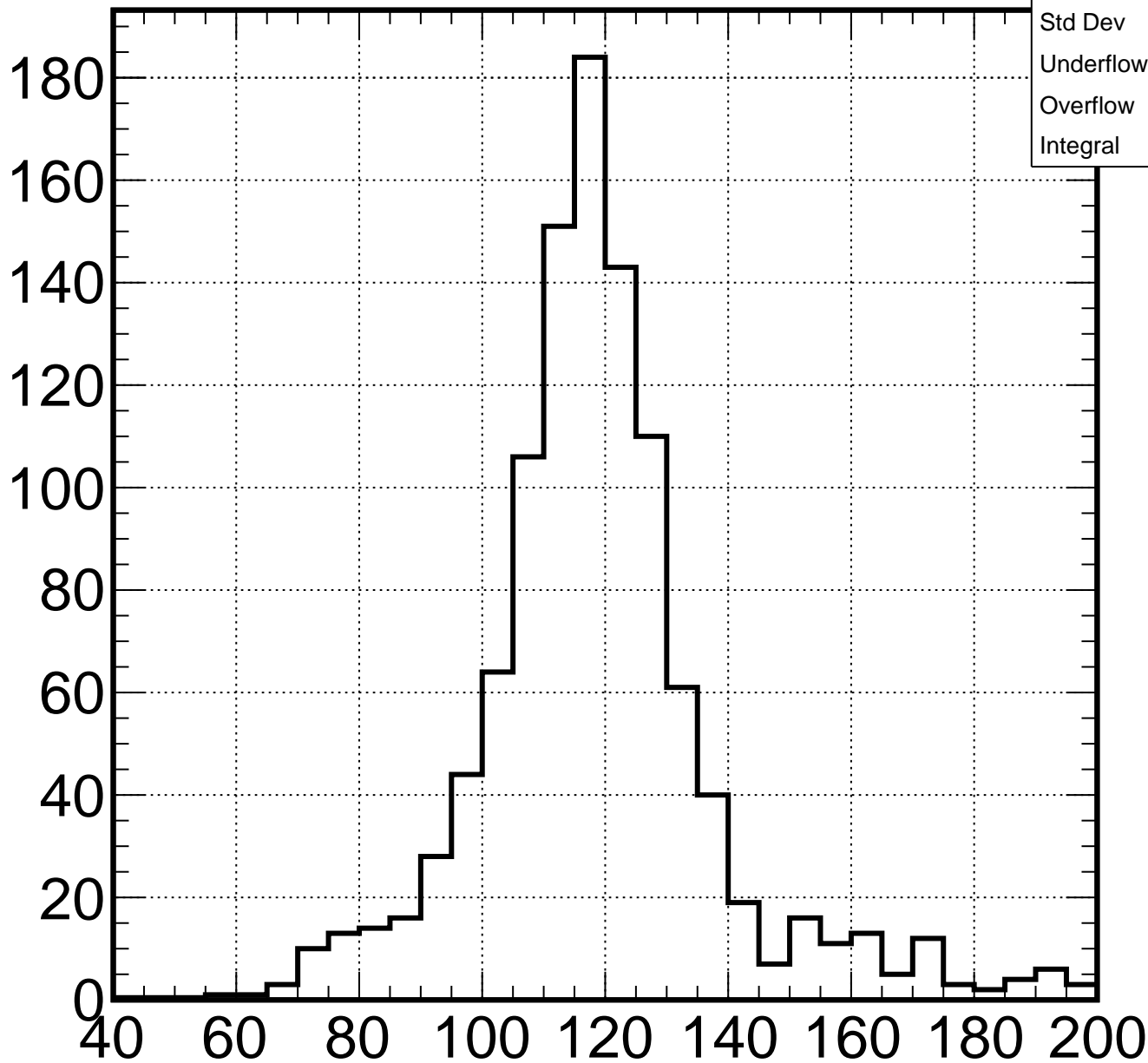
h_meanhiggsM_fail_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_meanhiggsM_fail_M



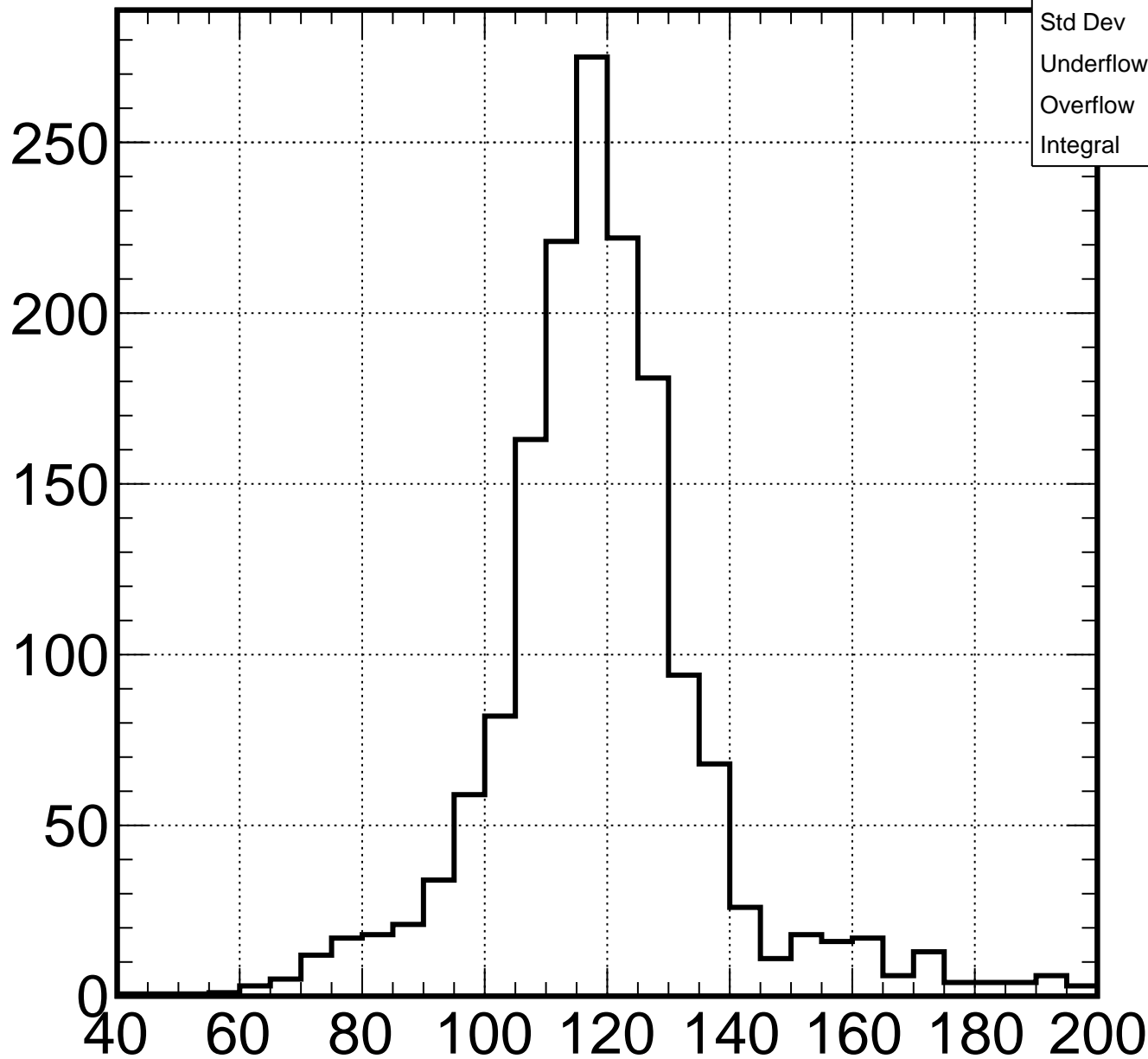
h_meanhiggsM_fail_M	
Mean	118.8
Std Dev	20.68
Underflow	0
Overflow	16
Integral	483

h_meanhiggsM_fail_T



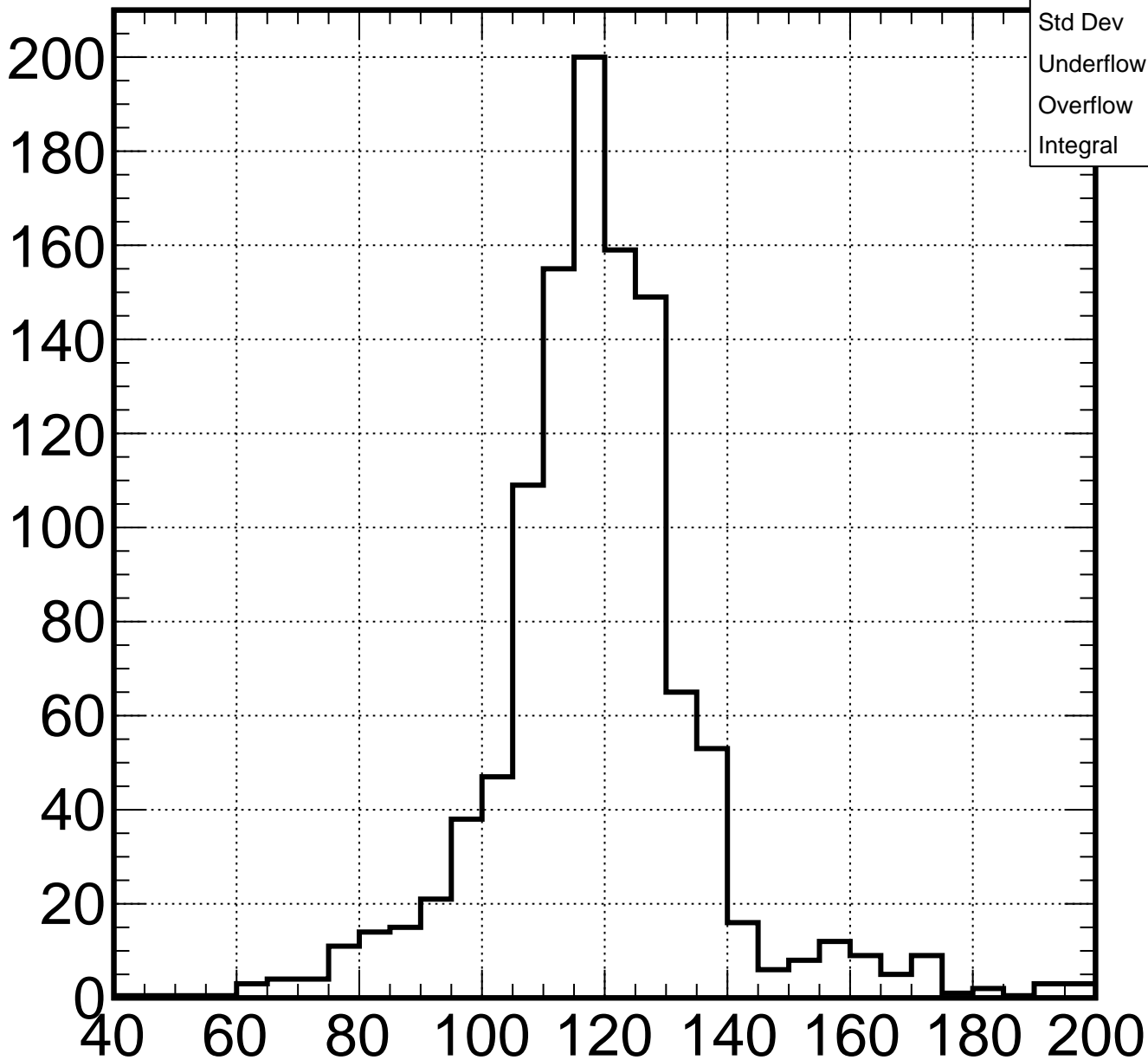
h_meanhiggsM_fail_T	
Mean	118.8
Std Dev	19.53
Underflow	0
Overflow	29
Integral	1090

h_meanhiggsM_pass_L



h_meanhiggsM_pass_L	
Mean	118.9
Std Dev	18.3
Underflow	0
Overflow	42
Integral	1604

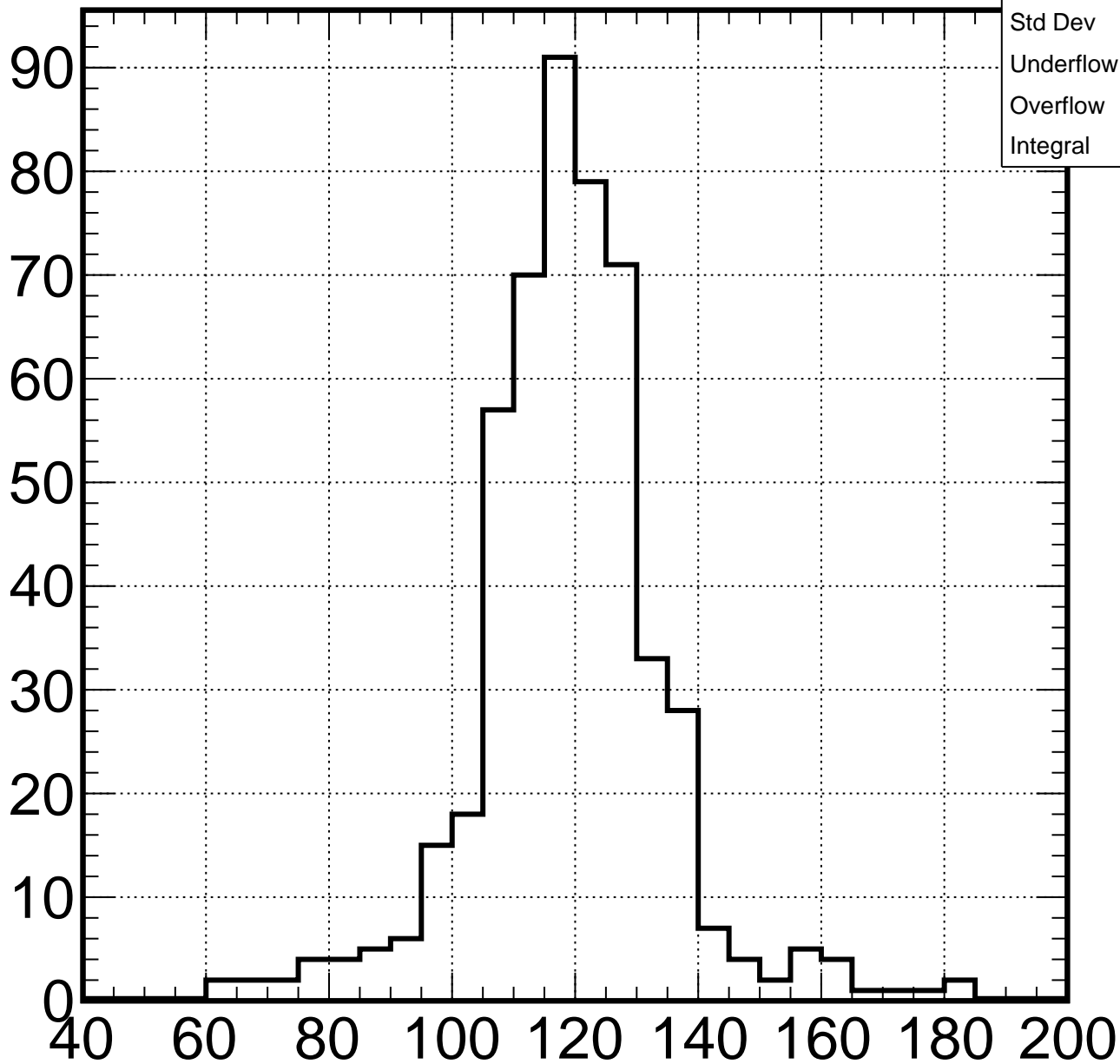
h_meanhiggsM_pass_M



h_meanhiggsM_pass_M

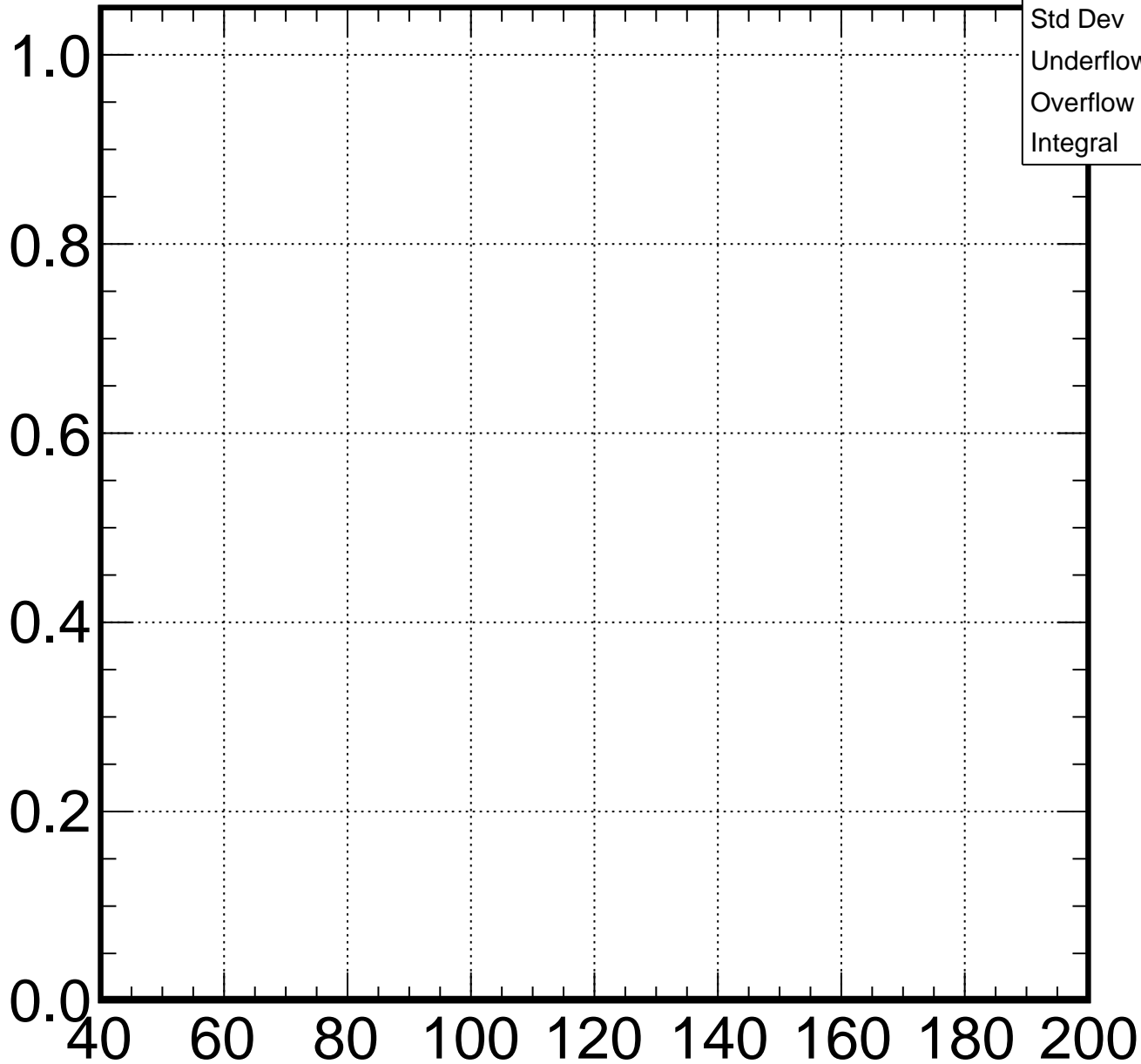
Mean	119
Std Dev	17.18
Underflow	0
Overflow	26
Integral	1121

h_meanhiggsM_pass_T



h_meanhiggsM_pass_T	
Mean	119.1
Std Dev	15.37
Underflow	0
Overflow	13
Integral	514

h_meanhiggsM_ratio_L

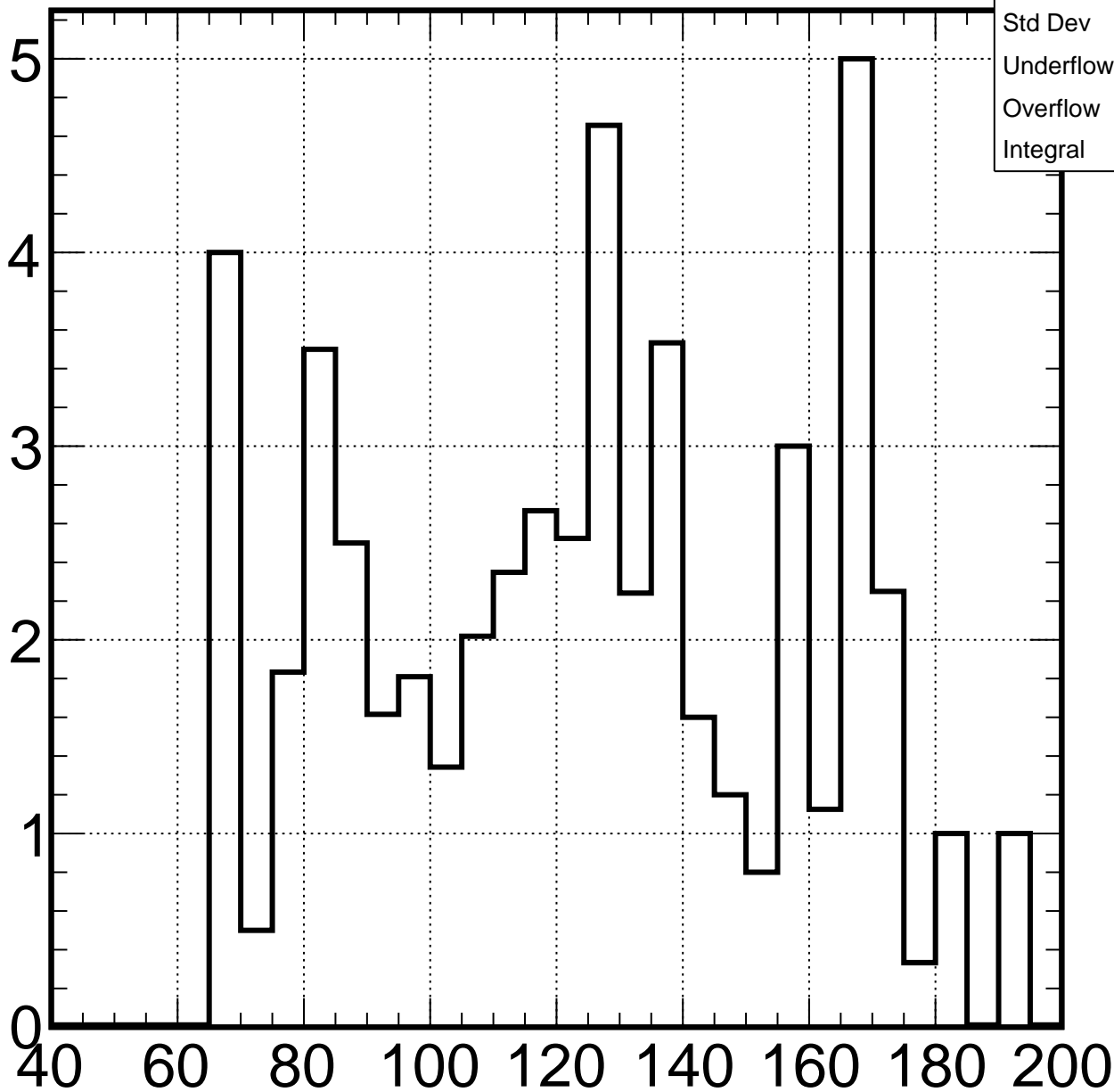


h_meanhiggsM_ratio_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

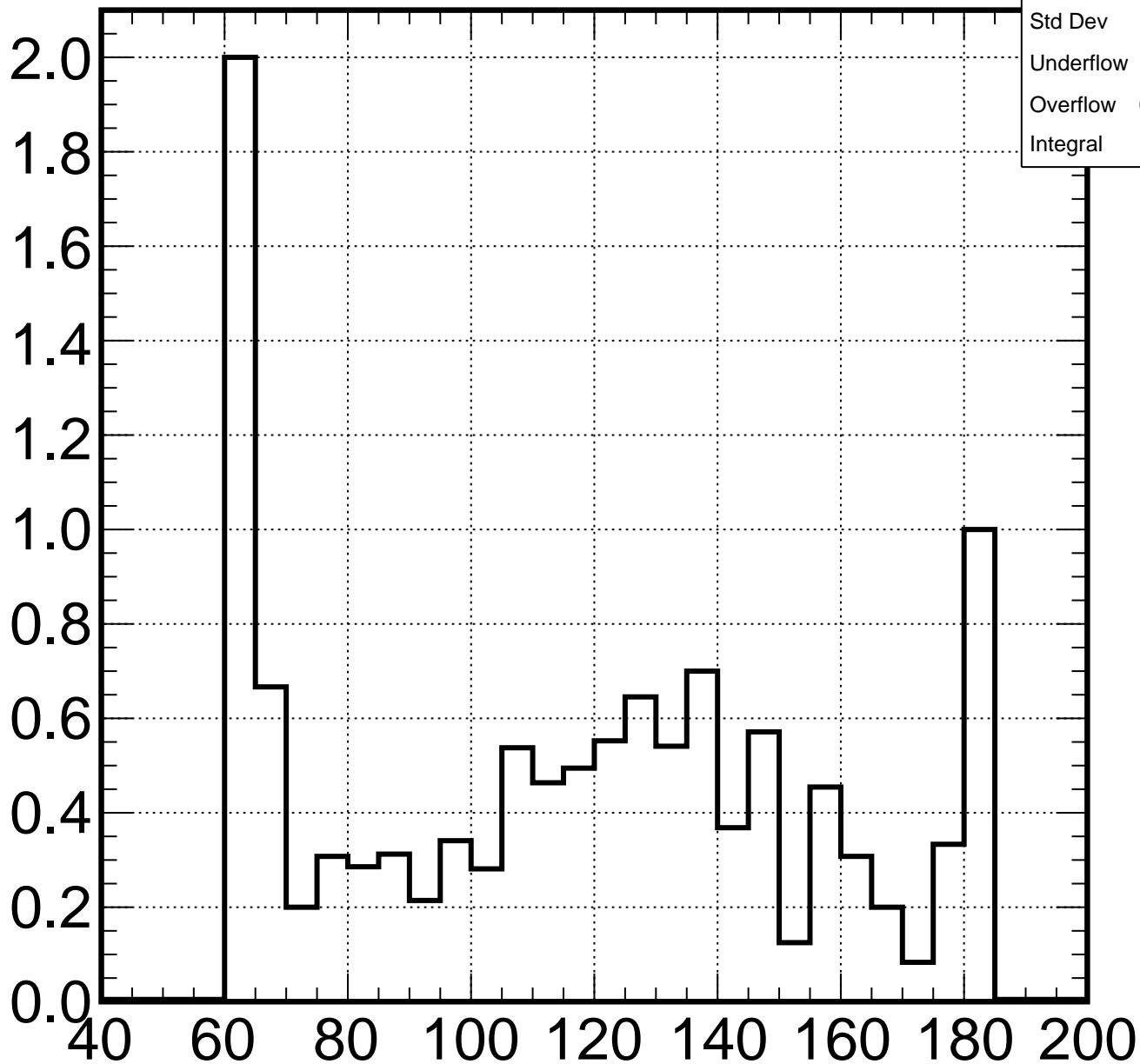
h_meanhiggsM_ratio_M

h_meanhiggsM_ratio_M

Mean	123.9
Std Dev	34.16
Underflow	0
Overflow	1.625
Integral	54.4



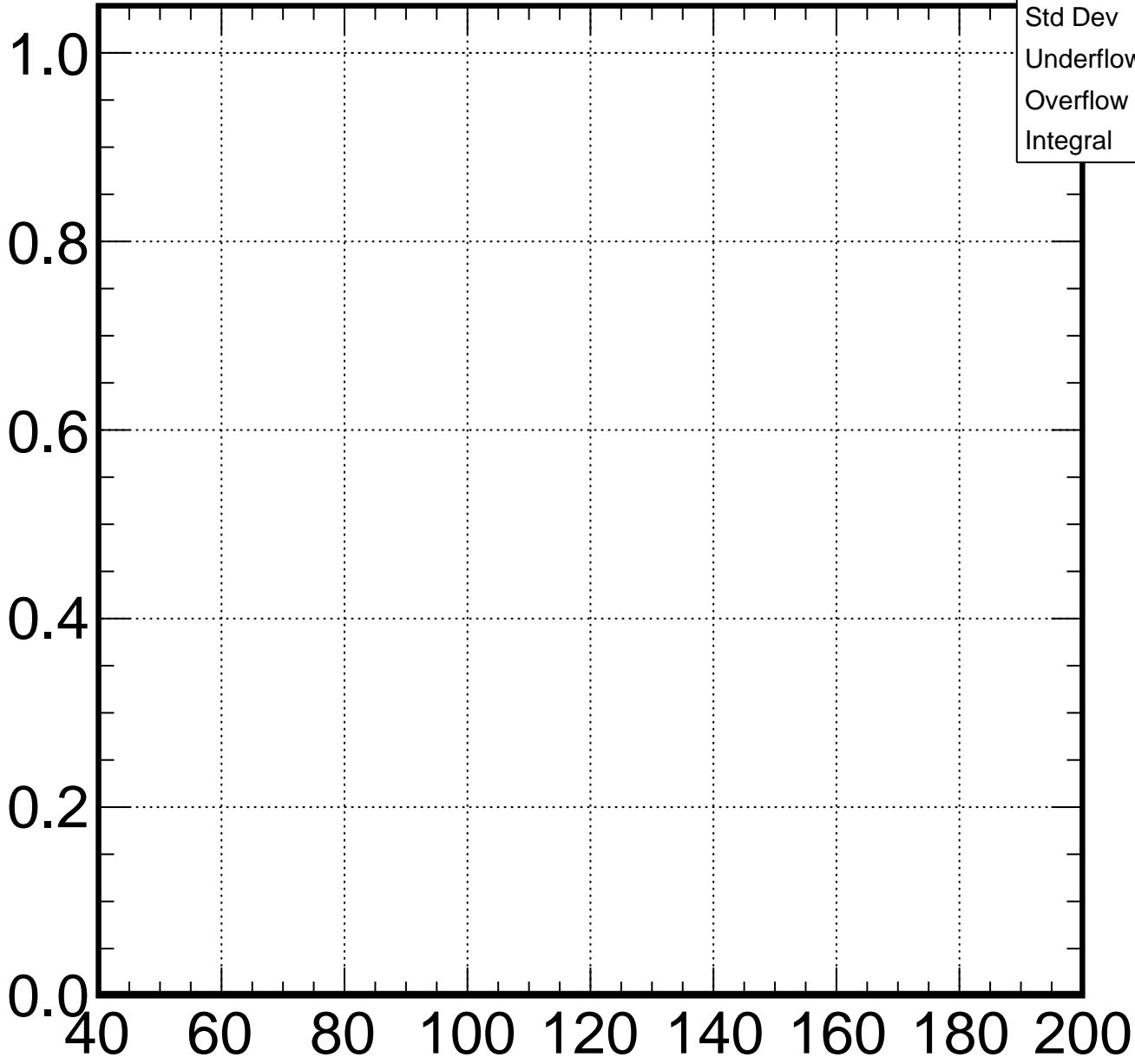
h_meanhiggsM_ratio_T



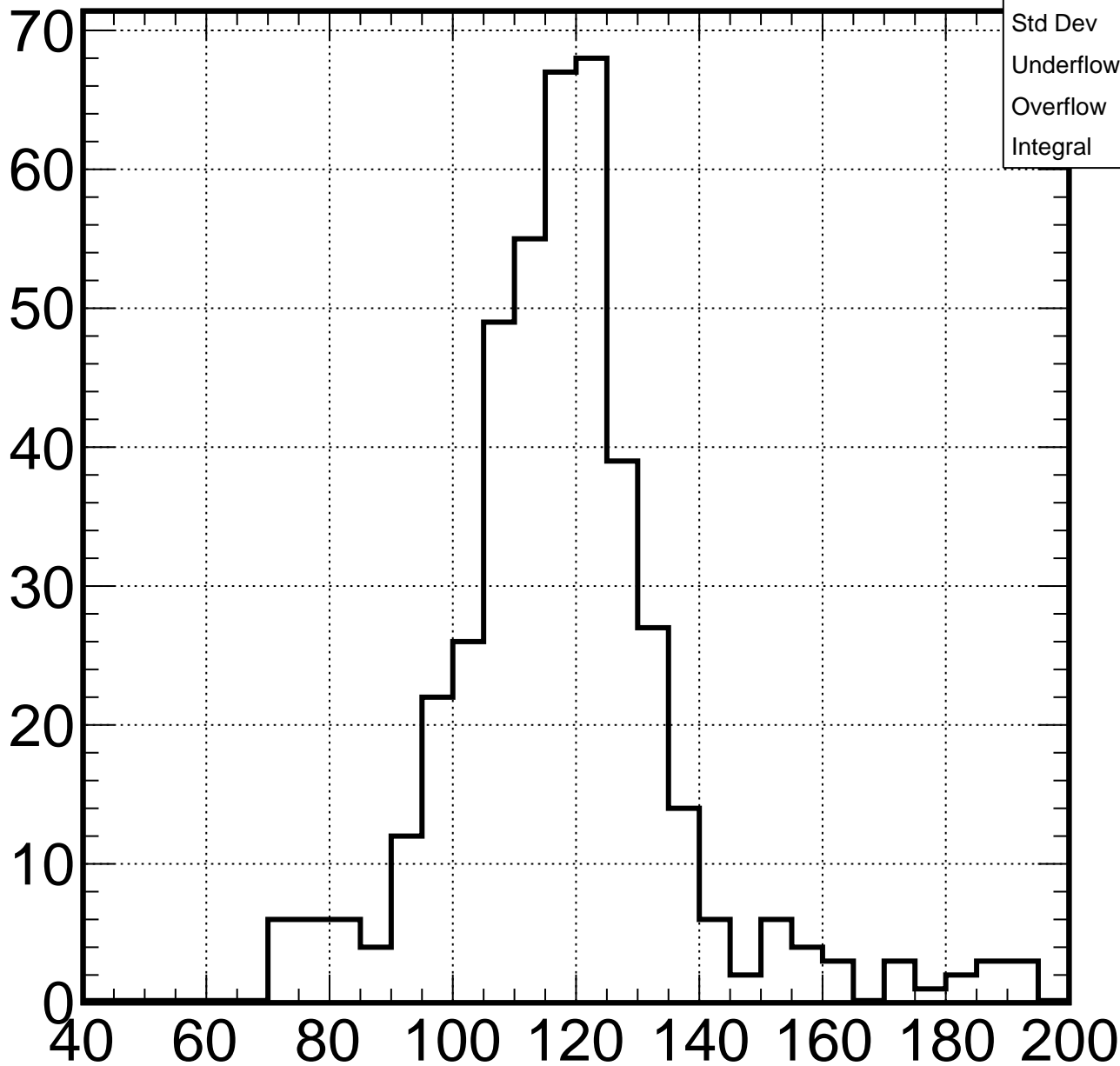
h_meanhiggsM_ratio_T	
Mean	116.3
Std Dev	39.32
Underflow	0
Overflow	0.4483
Integral	11.99

h_highPthiggsM_fail_L

h_highPthiggsM_fail_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

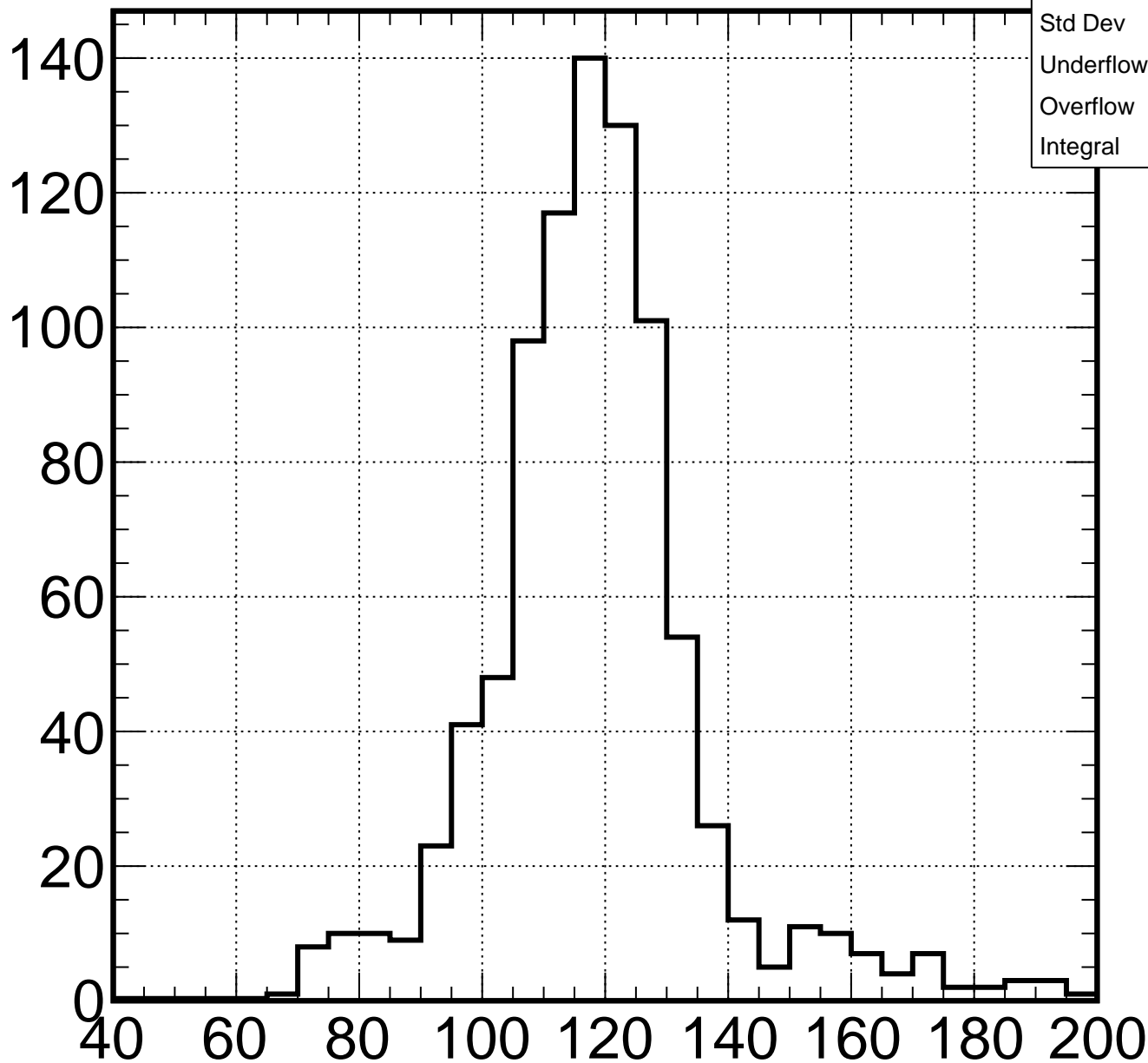


h_highPthiggsM_fail_M



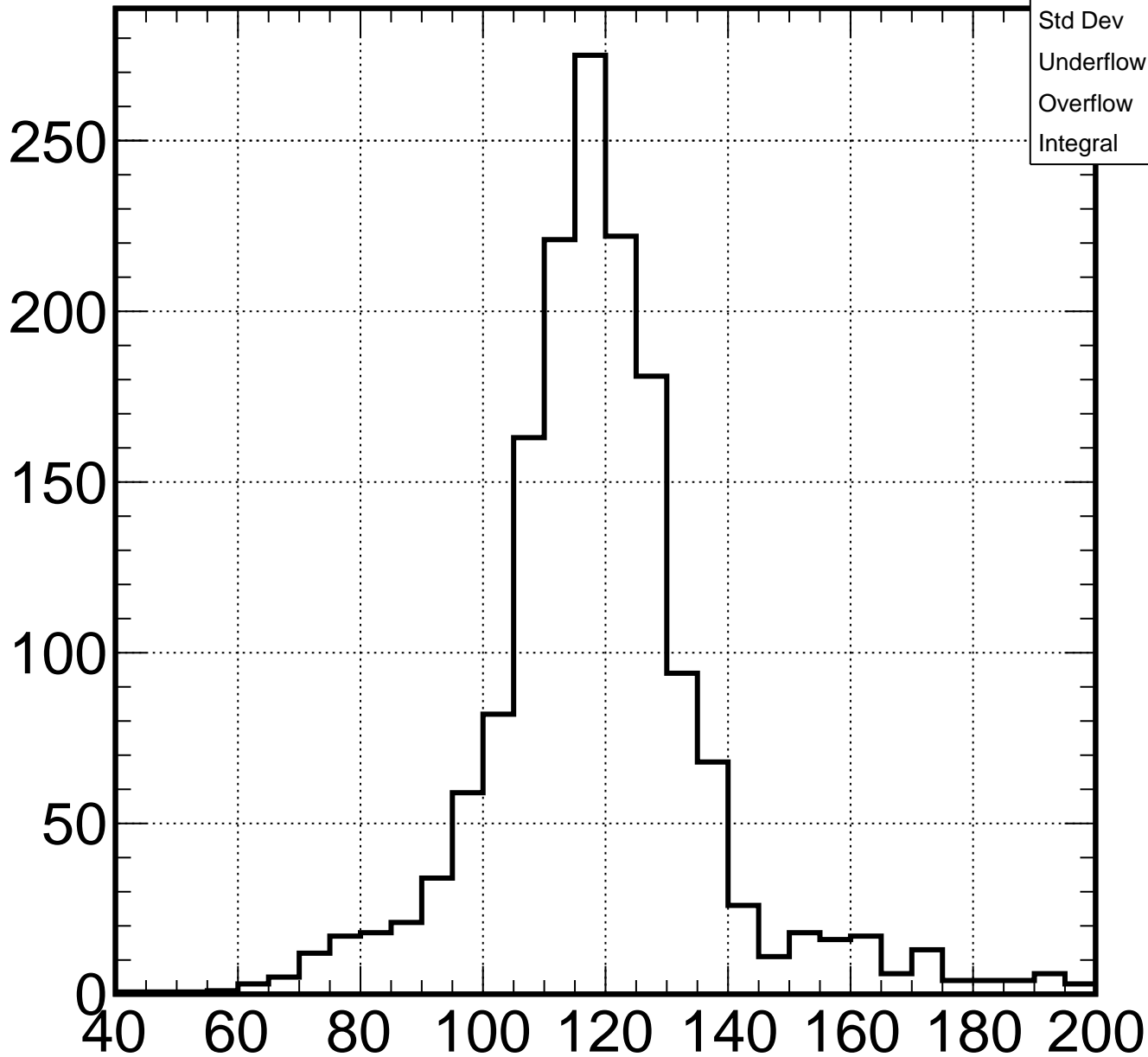
h_highPthiggsM_fail_M	
Mean	117.9
Std Dev	18.95
Underflow	0
Overflow	14
Integral	434

h_highPthiggsM_fail_T



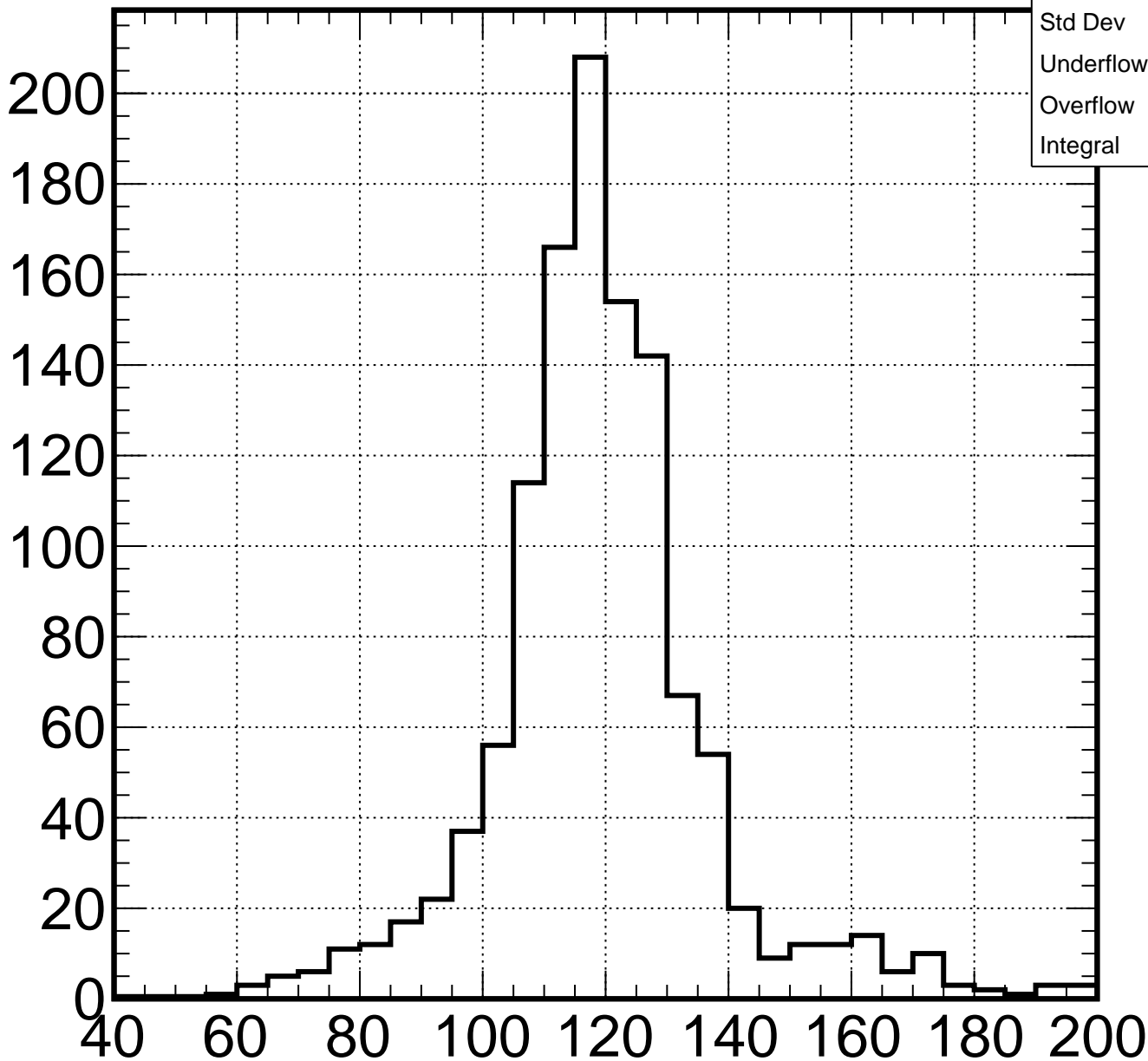
h_highPthiggsM_fail_T	
Mean	118.4
Std Dev	17.95
Underflow	0
Overflow	24
Integral	883

h_highPthiggsM_pass_L



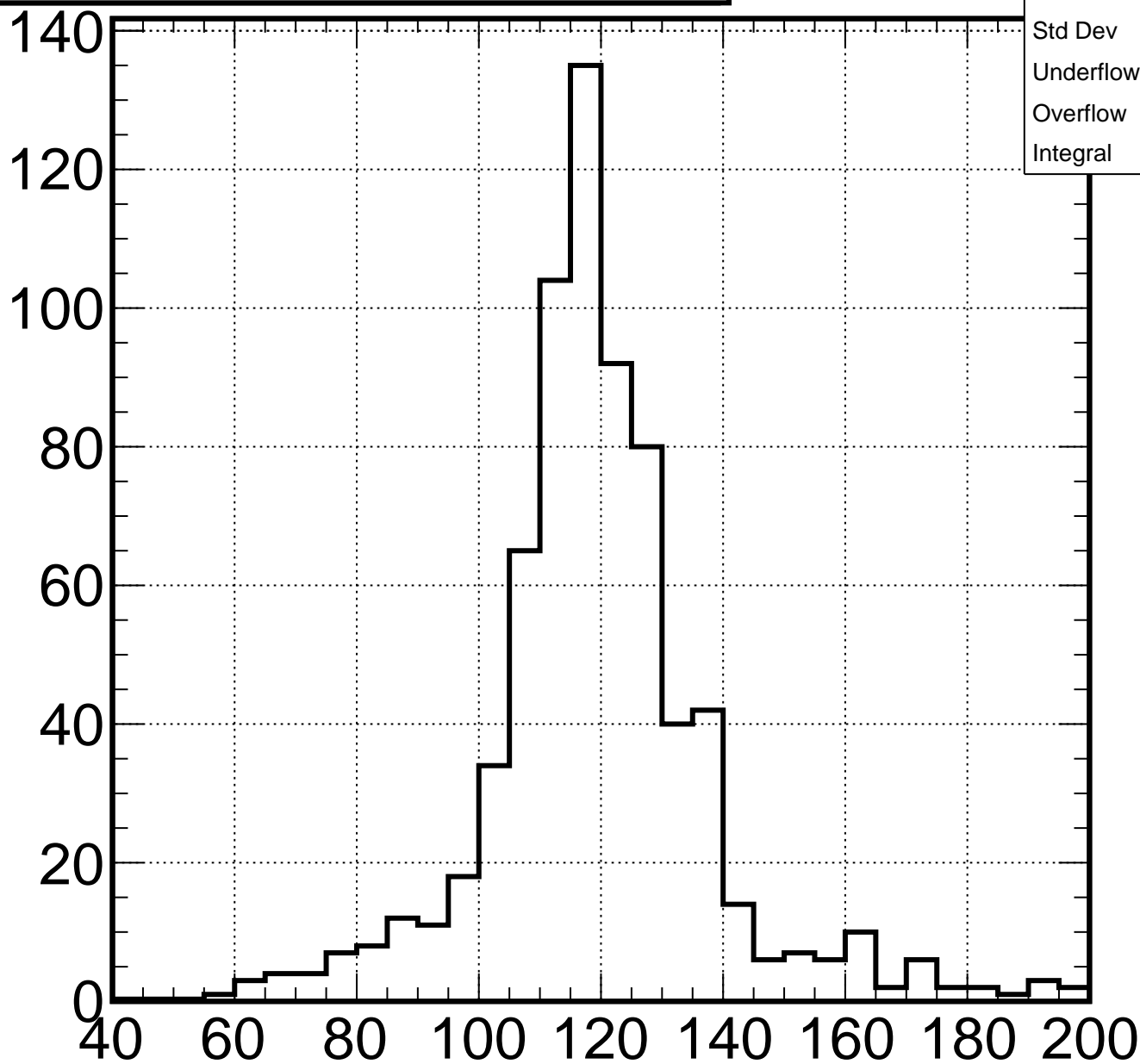
h_highPthiggsM_pass_L	
Mean	118.9
Std Dev	18.3
Underflow	0
Overflow	42
Integral	1604

h_highPthiggsM_pass_M



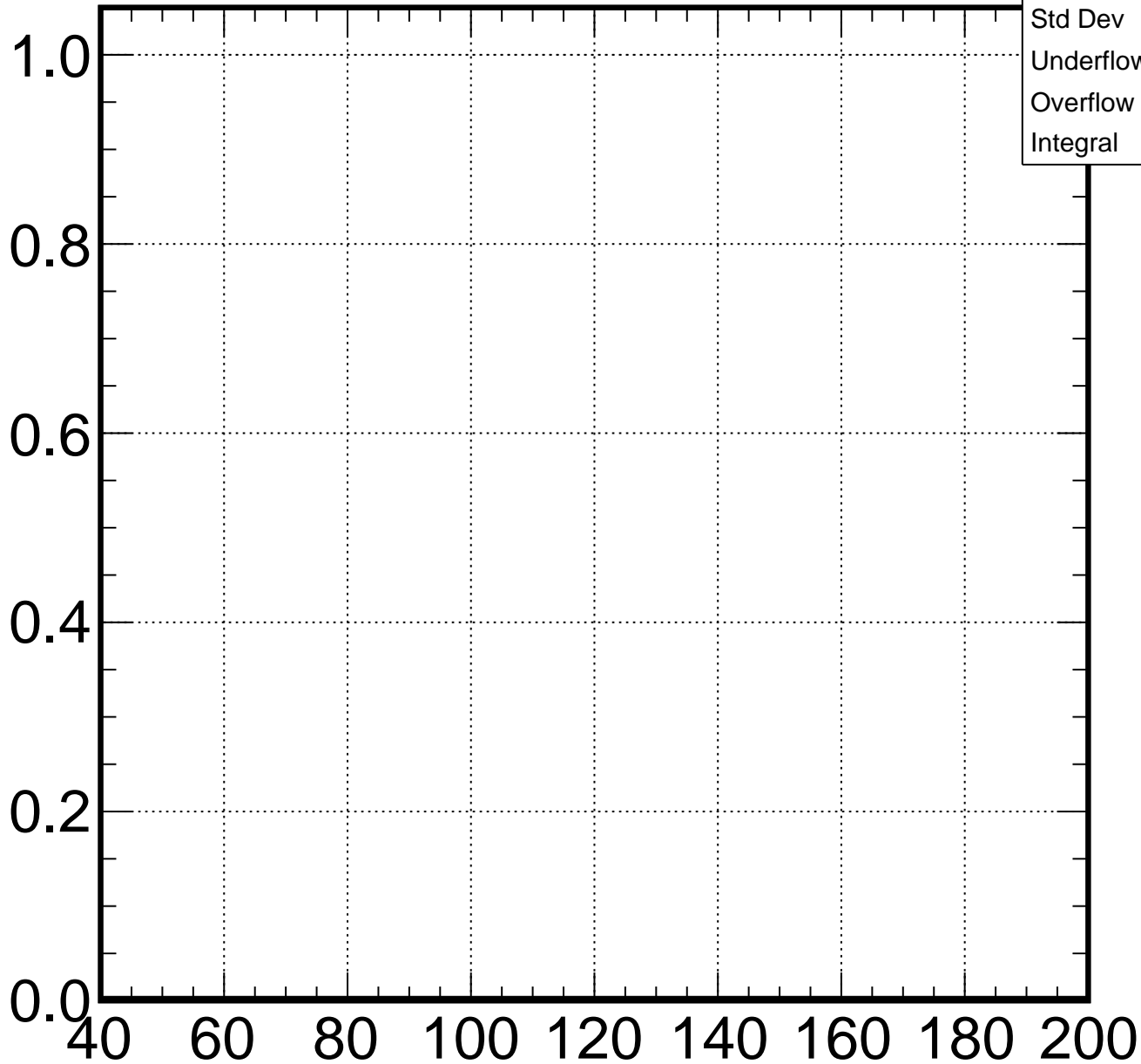
h_highPthiggsM_pass_M	
Mean	119.3
Std Dev	18.04
Underflow	0
Overflow	28
Integral	1170

h_highPthiggsM_pass_T



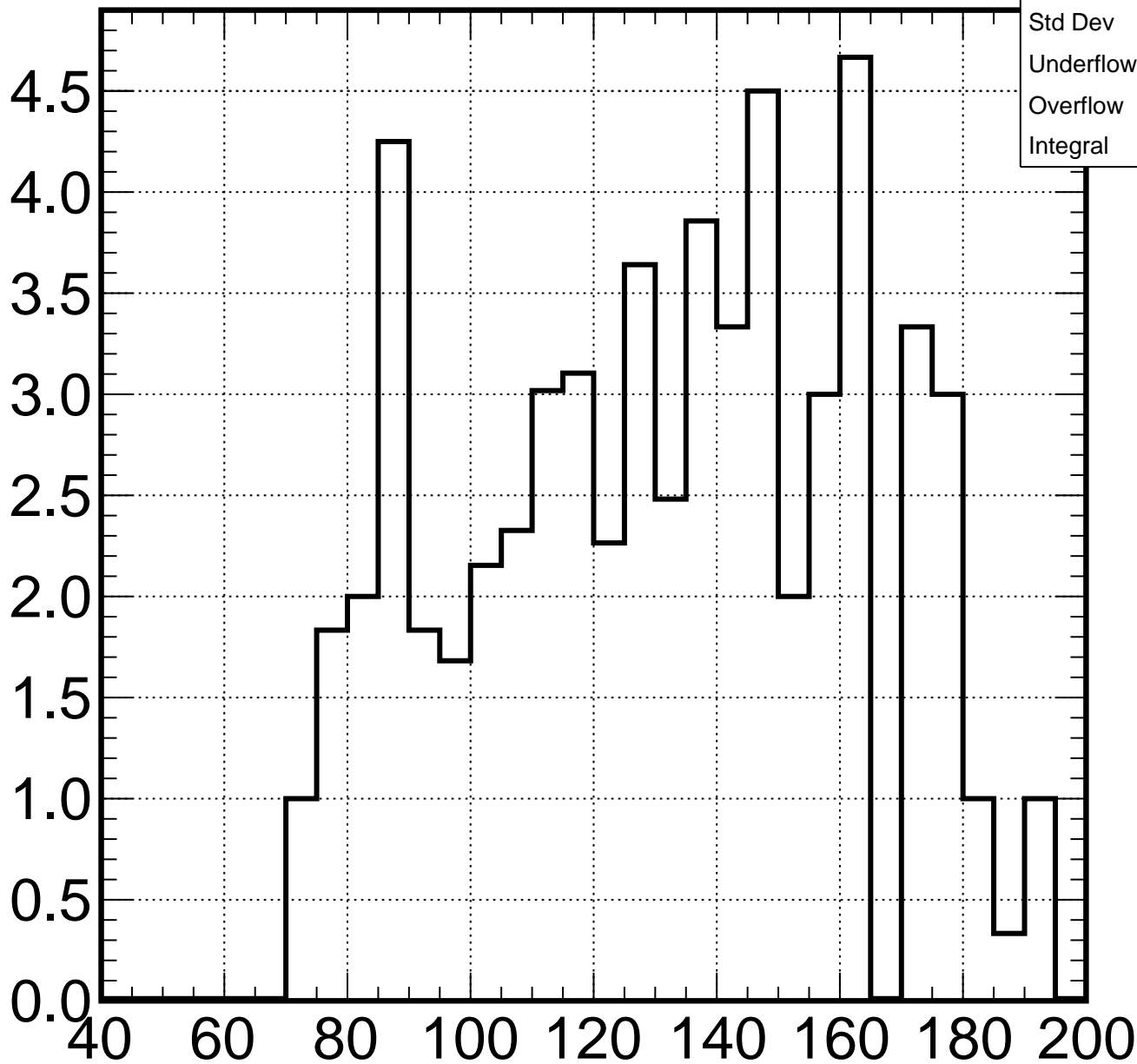
h_highPthiggsM_pass_T	
Mean	119.5
Std Dev	18.71
Underflow	0
Overflow	18
Integral	721

h_highPthiggsM_ratio_L



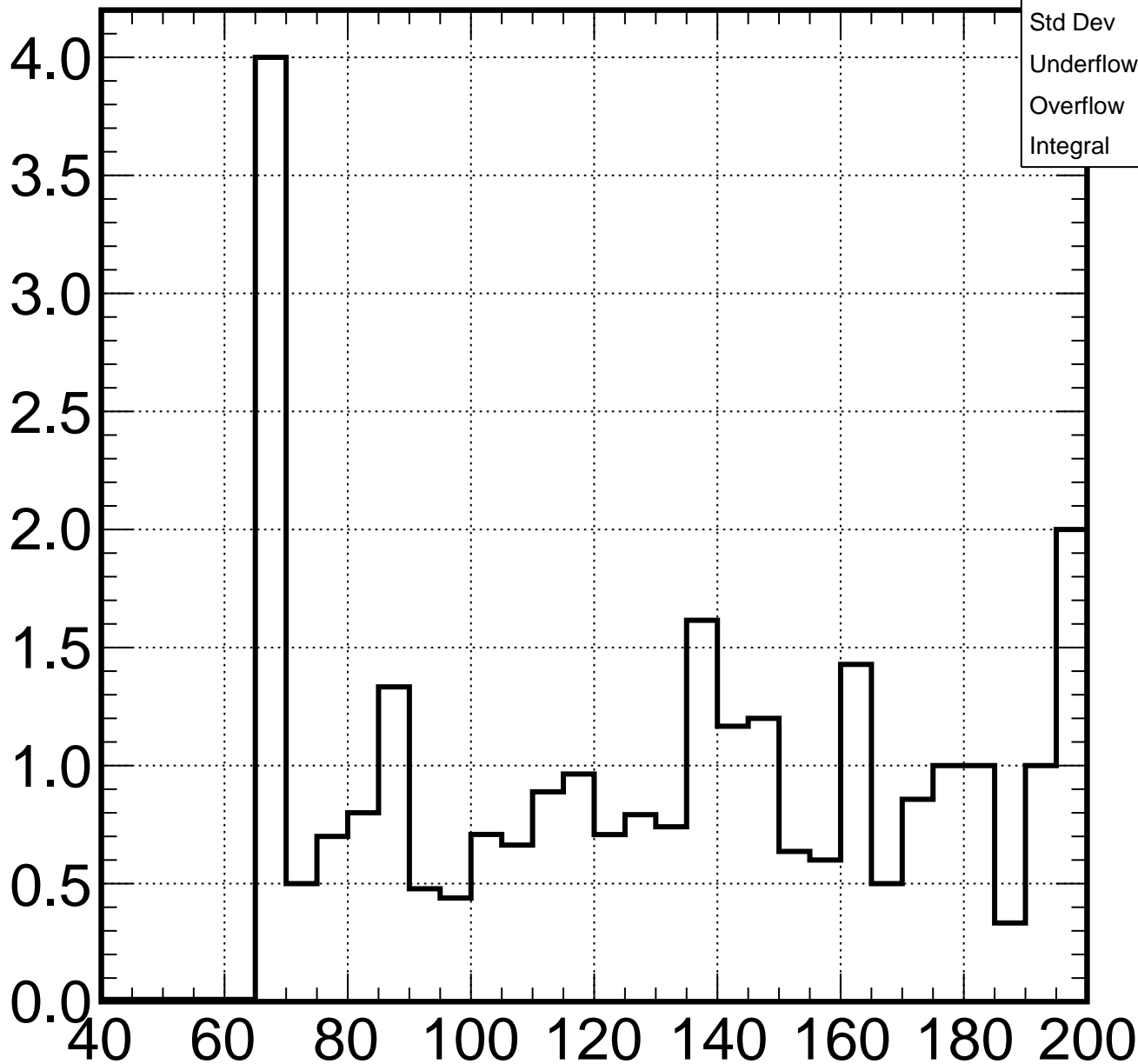
h_highPthiggsM_ratio_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPthiggsM_ratio_M



h_highPthiggsM_ratio_M	
Mean	131.2
Std Dev	31.23
Underflow	0
Overflow	2
Integral	61.61

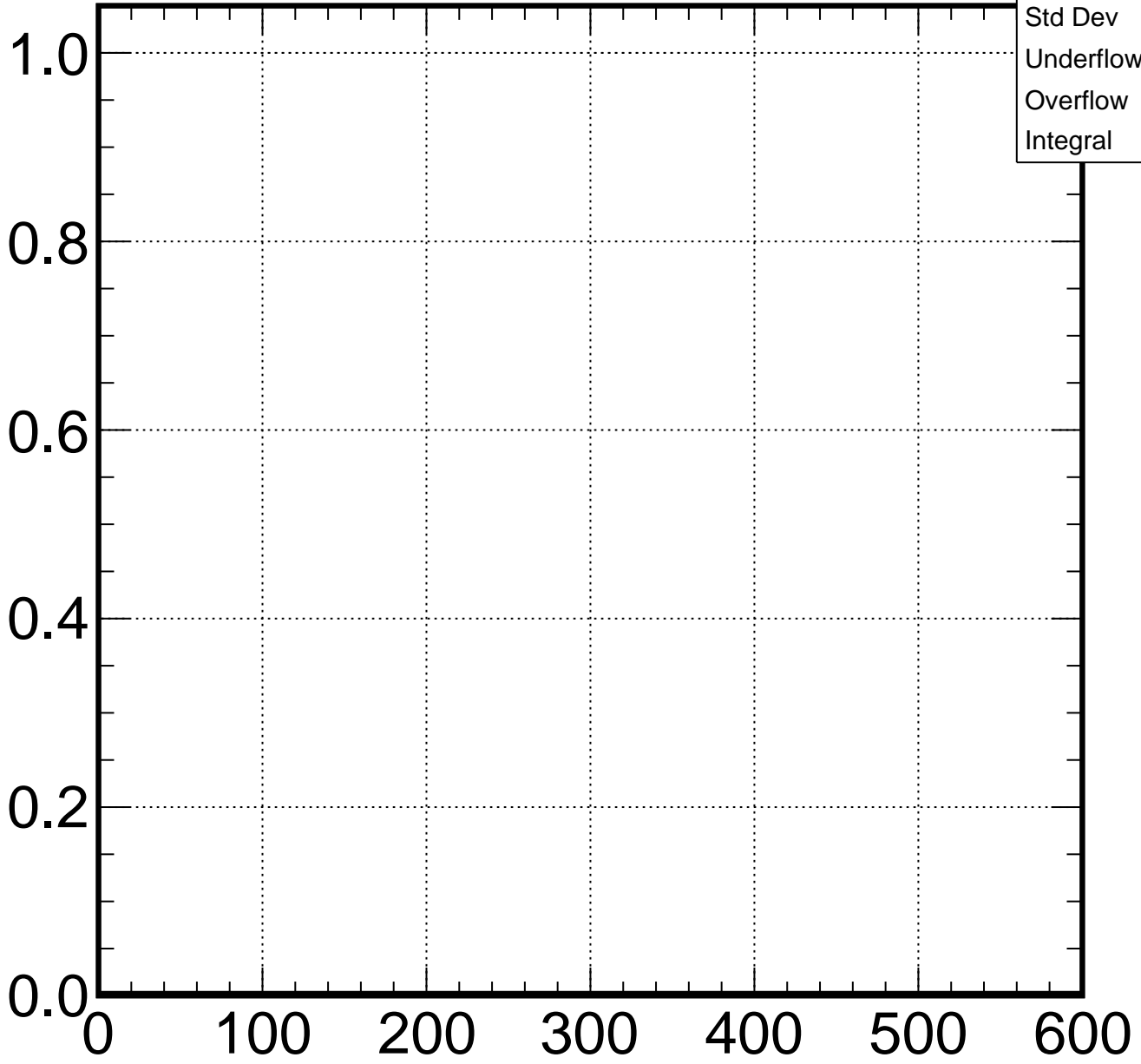
h_highPthiggsM_ratio_T



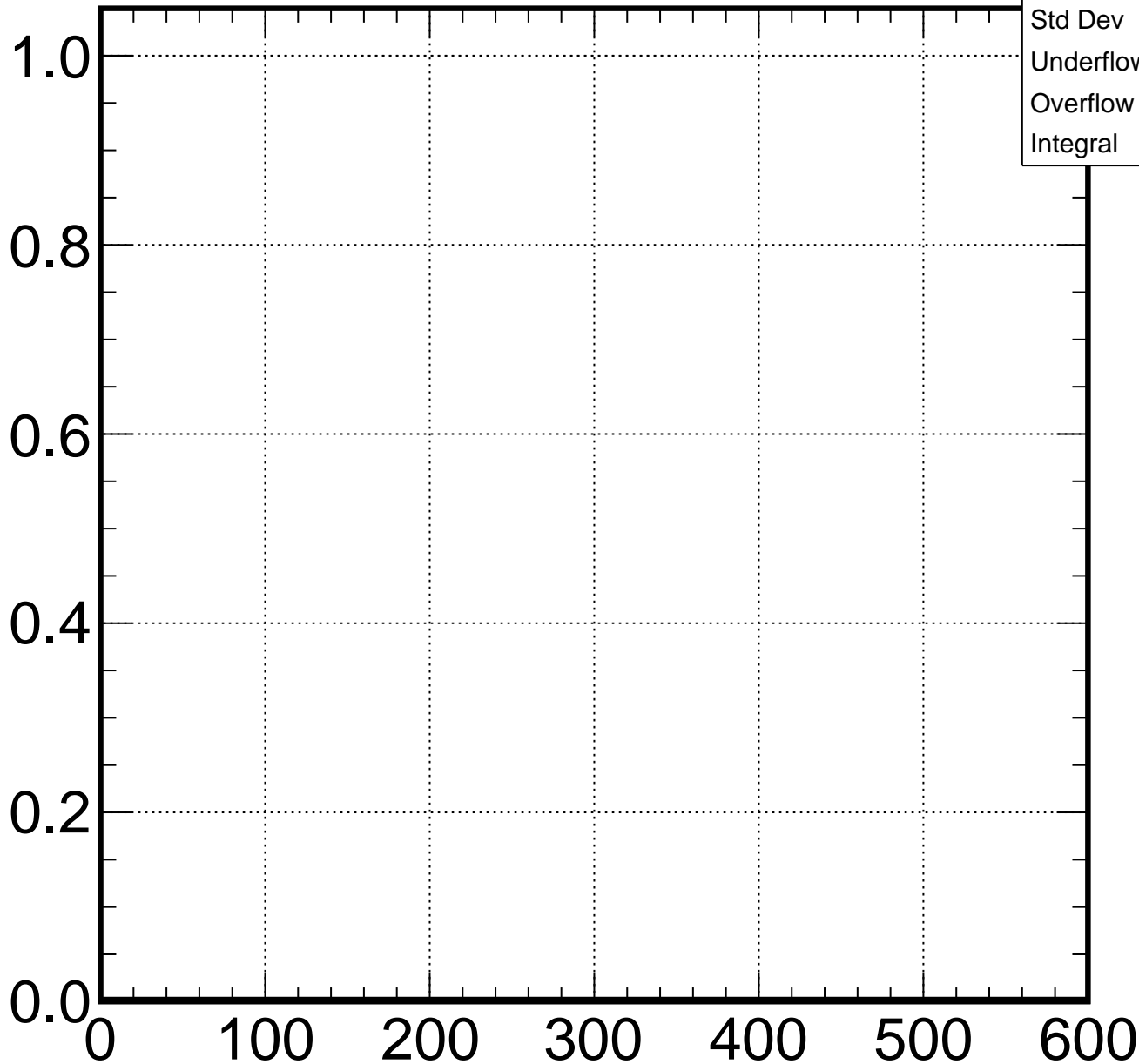
h_highPthiggsM_ratio_T	
Mean	129.5
Std Dev	43.08
Underflow	0
Overflow	0.75
Integral	27.05

h_highPtA0M_fail_L

h_highPtA0M_fail_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

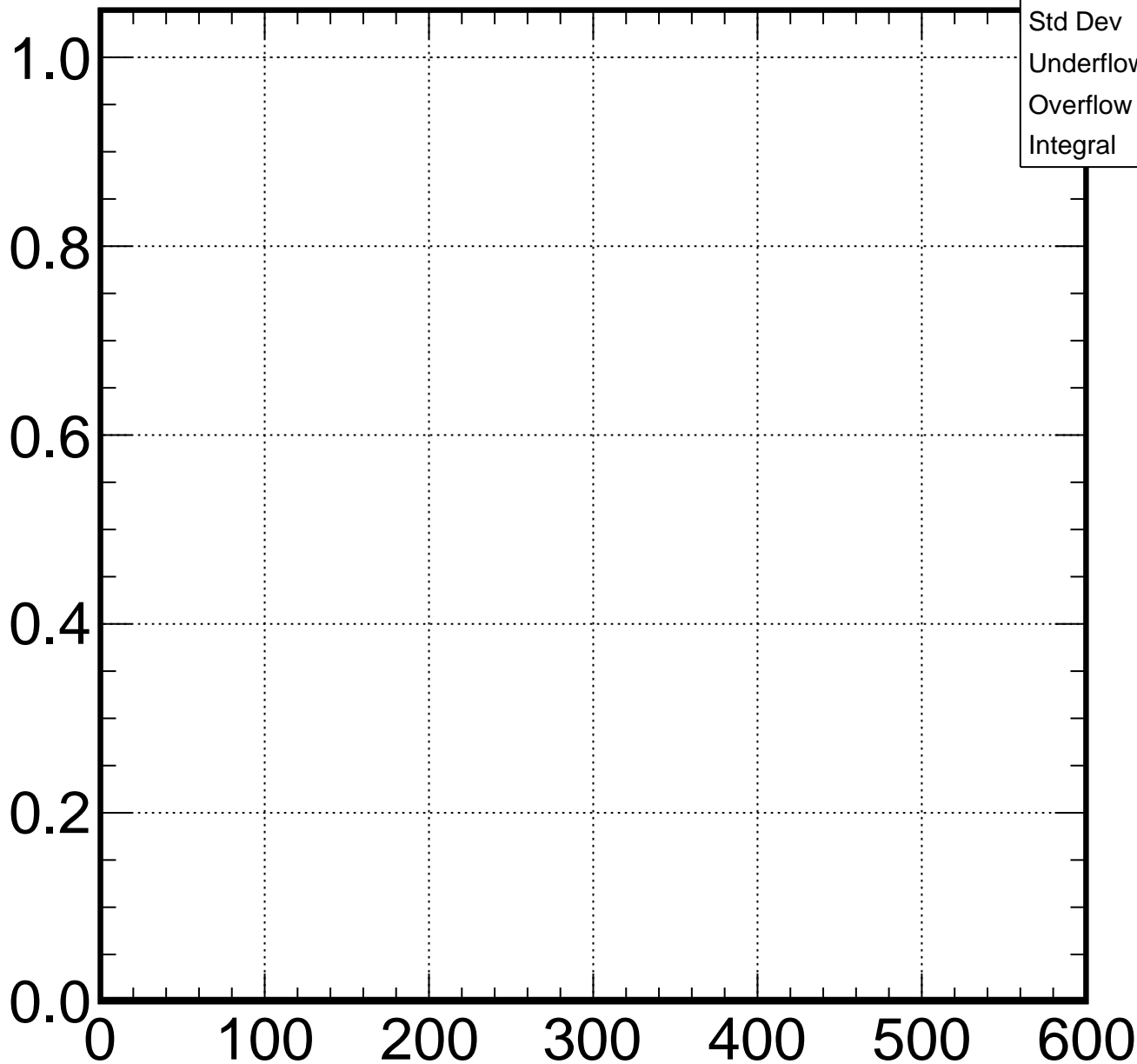


h_highPtA0M_fail_M



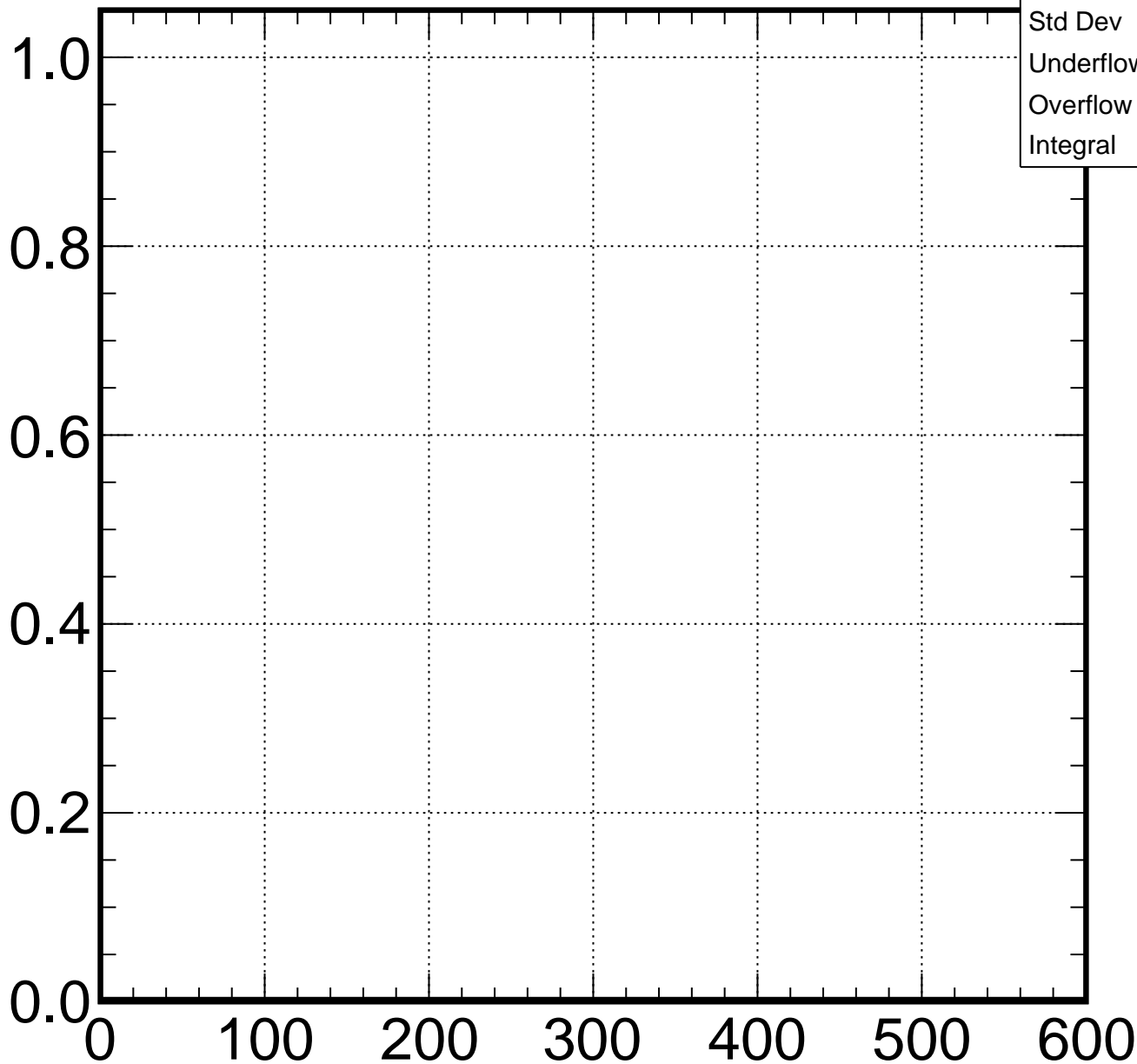
h_highPtA0M_fail_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_fail_T



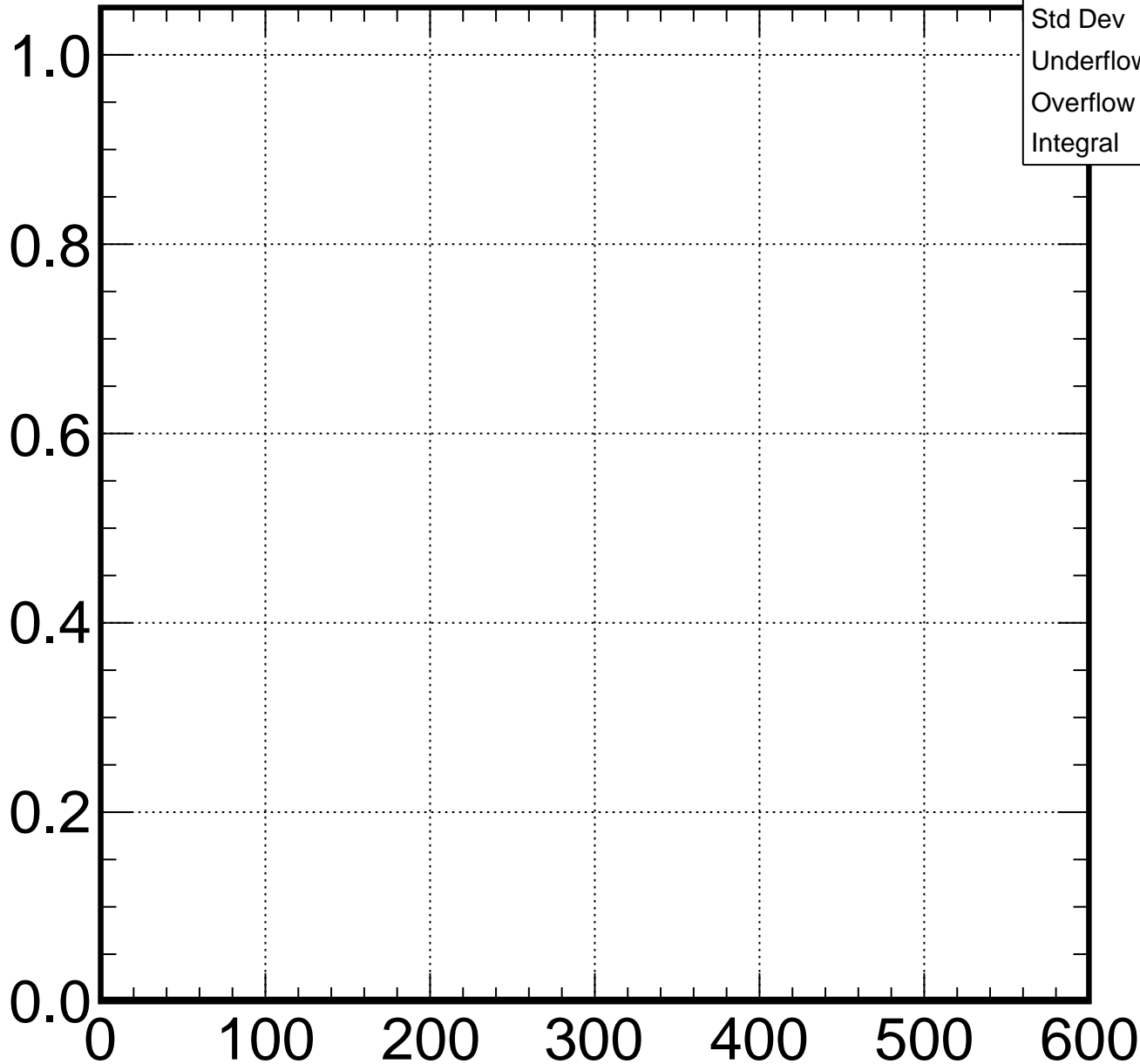
h_highPtA0M_fail_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_pass_L



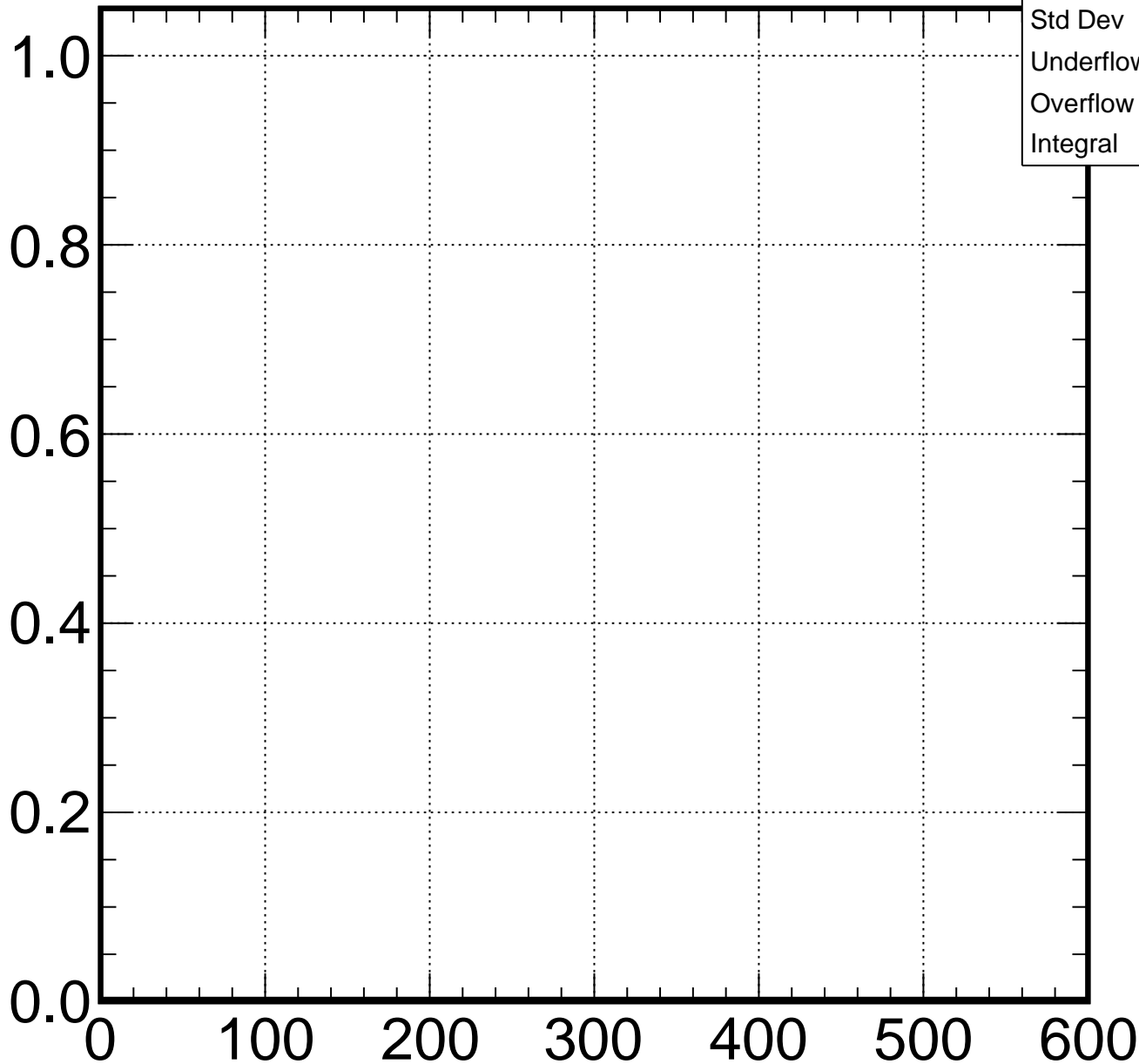
h_highPtA0M_pass_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_pass_M



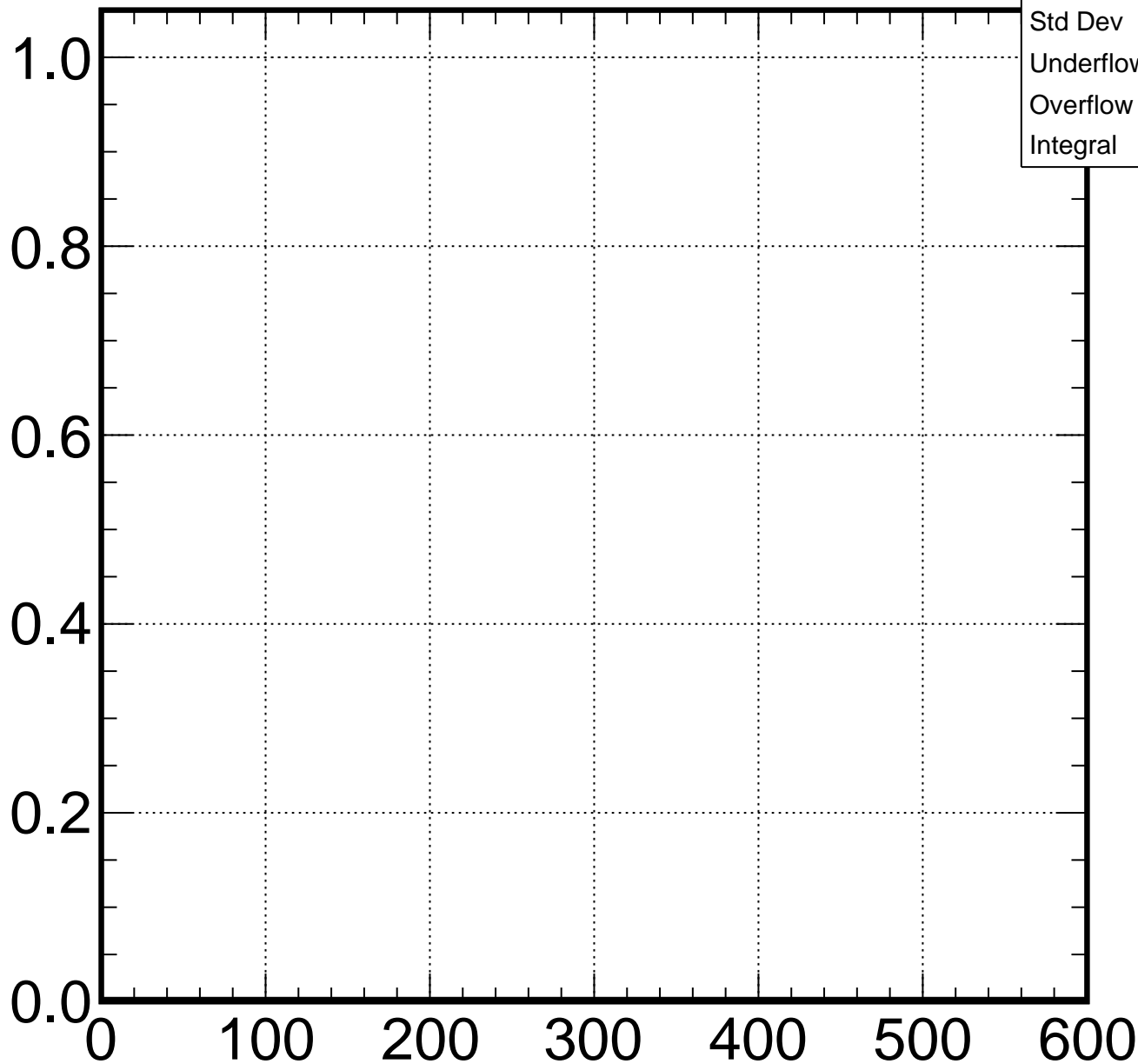
h_highPtA0M_pass_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_pass_T



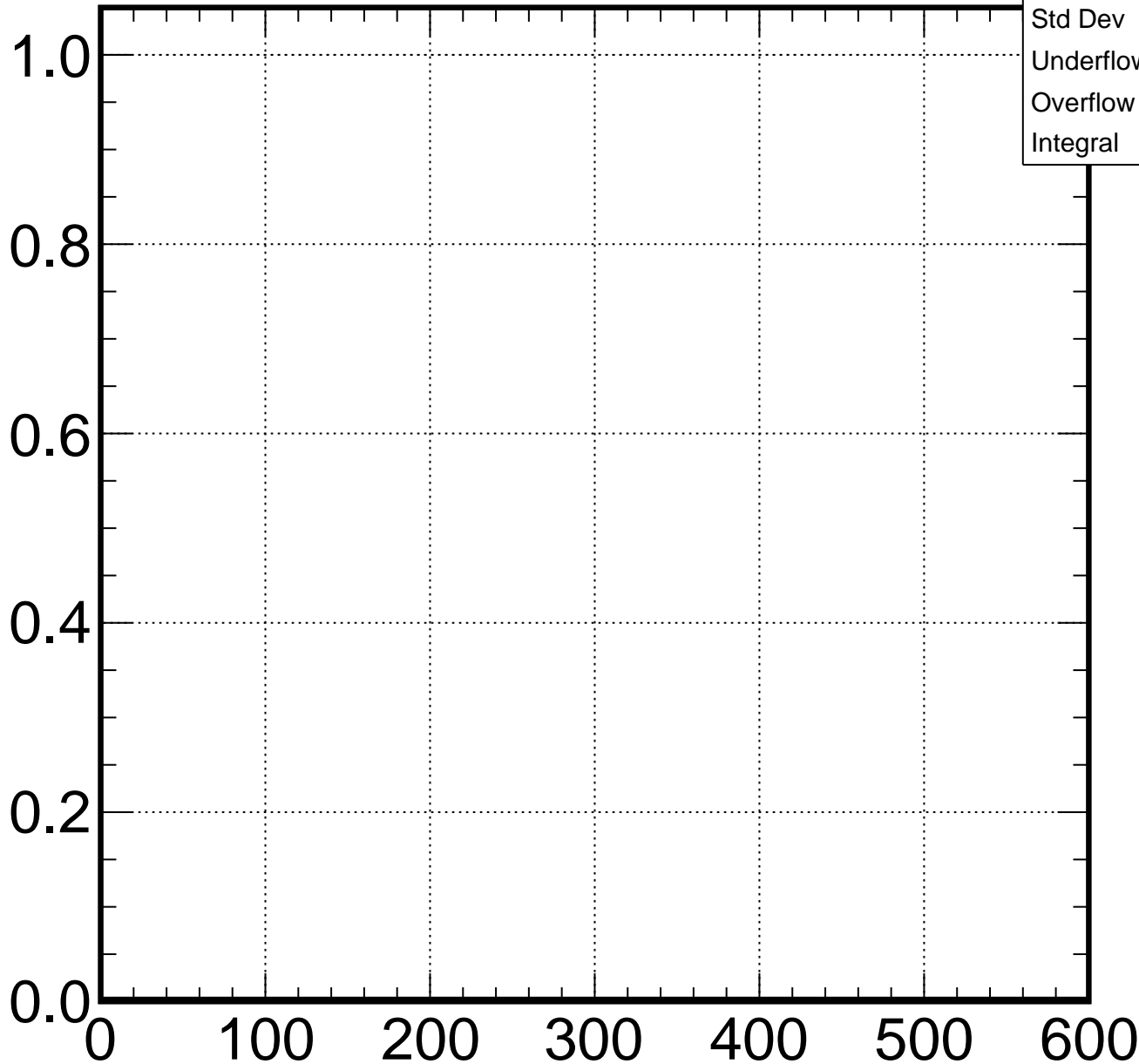
h_highPtA0M_pass_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_ratio_L



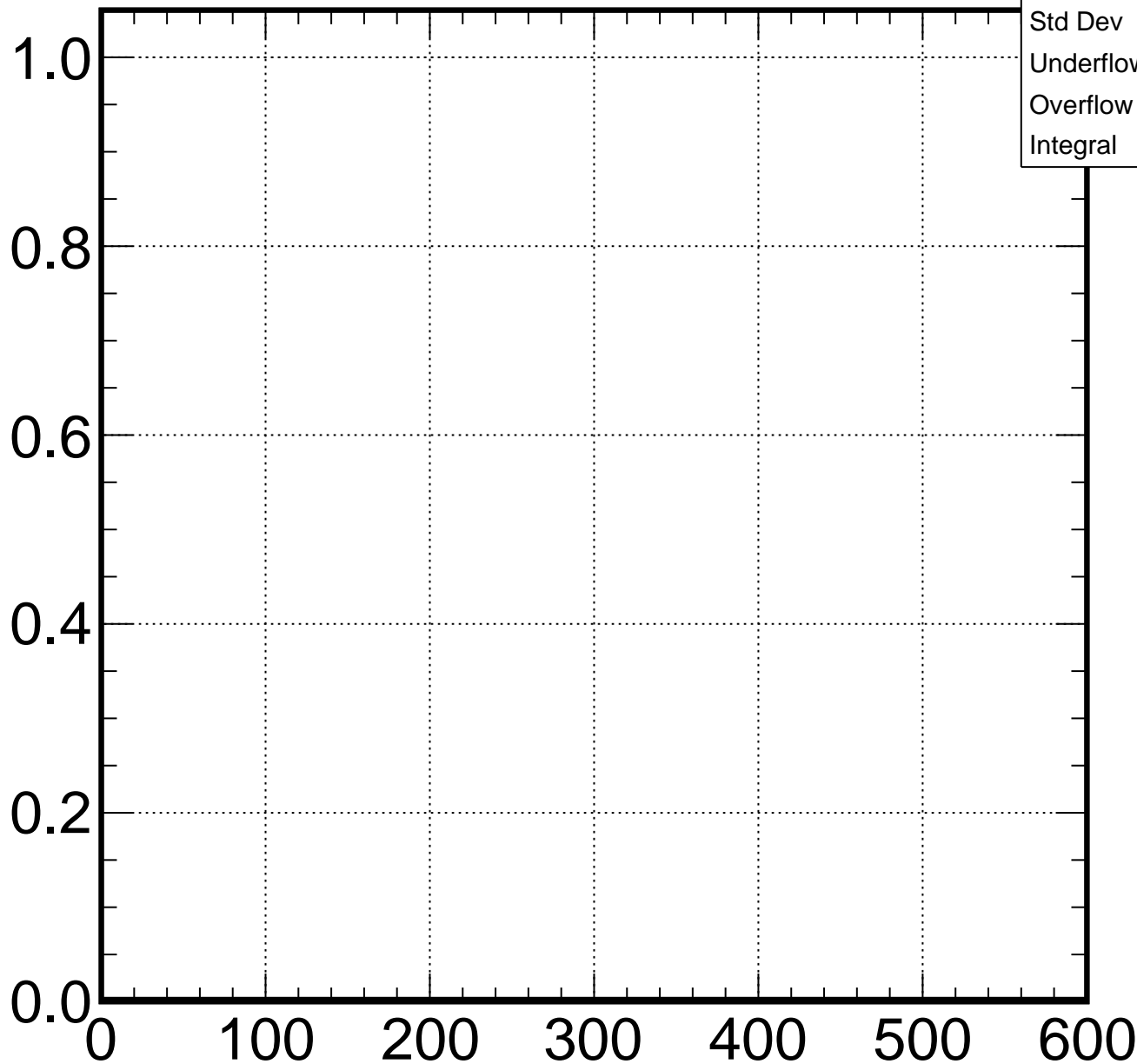
h_highPtA0M_ratio_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_ratio_M



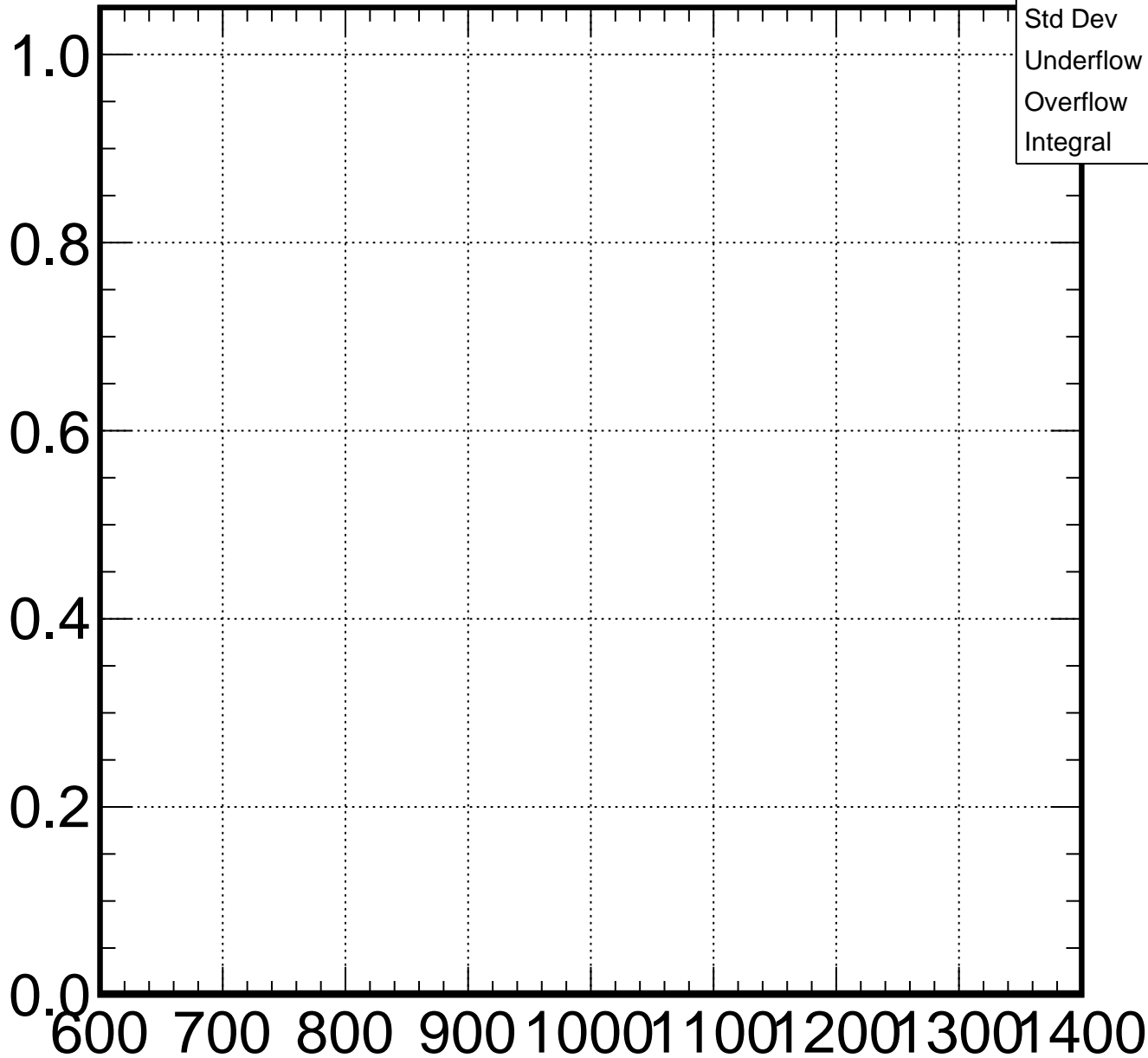
h_highPtA0M_ratio_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_ratio_T



h_highPtA0M_ratio_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

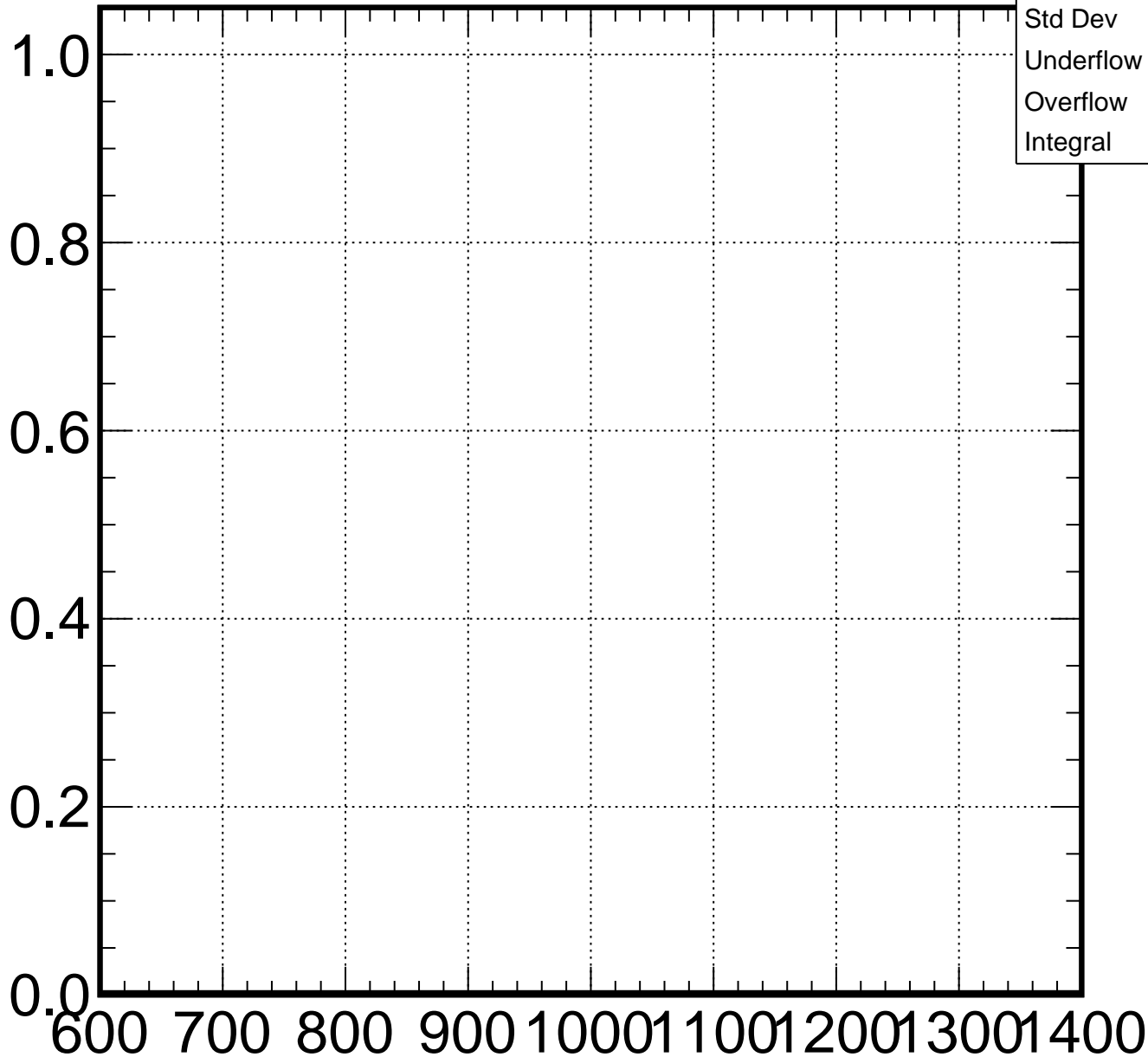
h_highPtZpM_fail_L



h_highPtZpM_fail_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

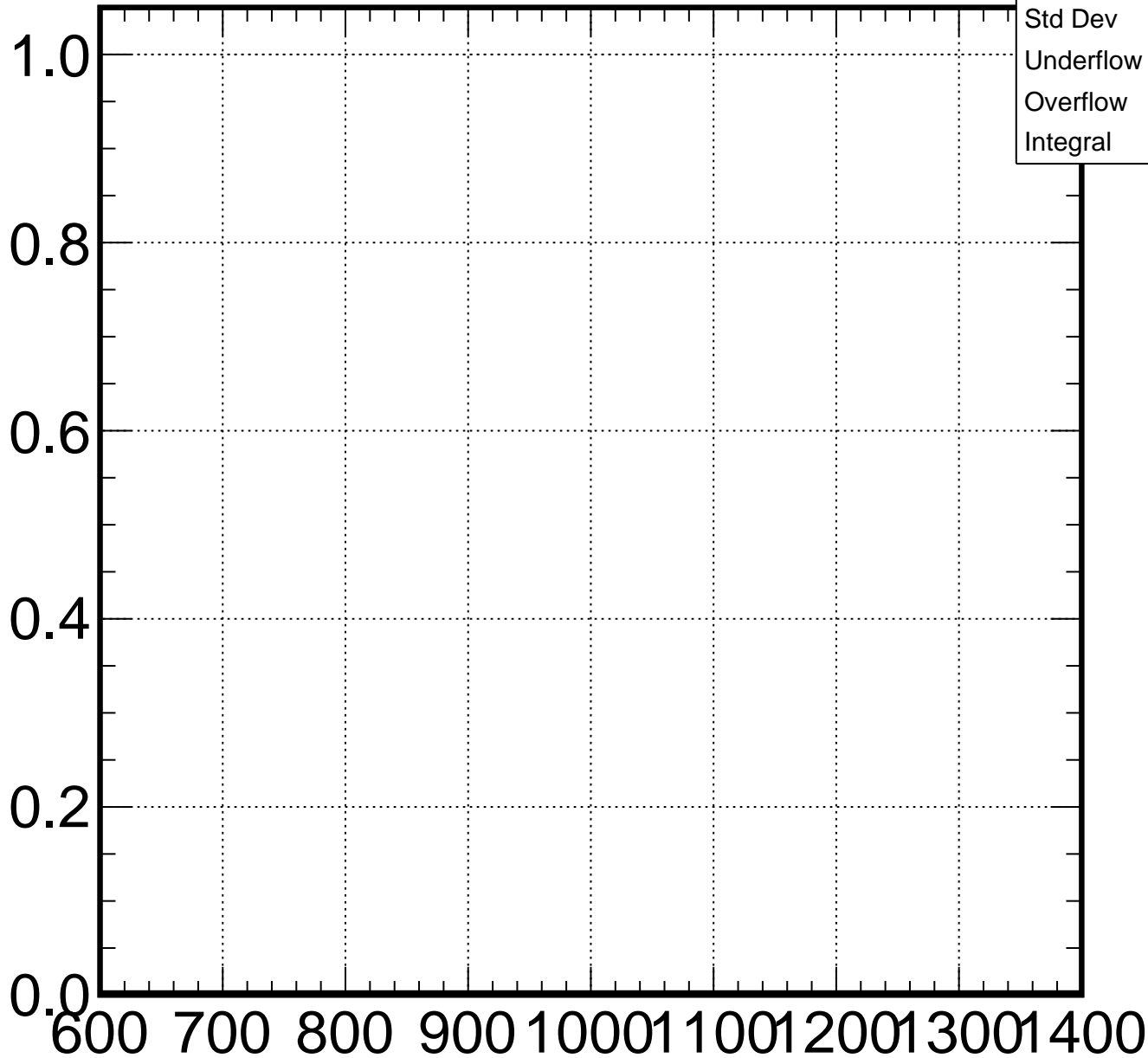
h_highPtZpM_fail_M

h_highPtZpM_fail_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

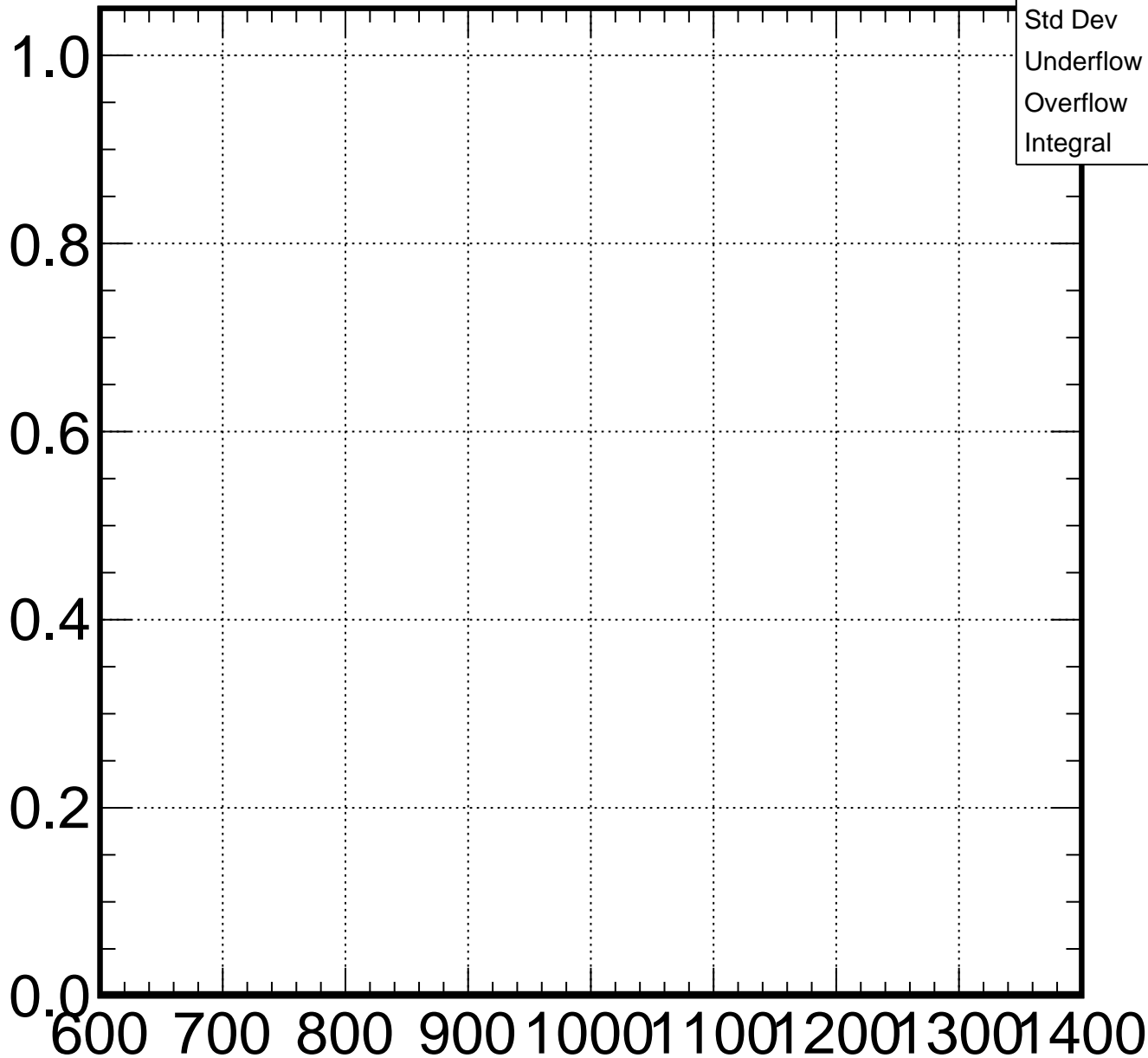


h_highPtZpM_fail_T

h_highPtZpM_fail_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

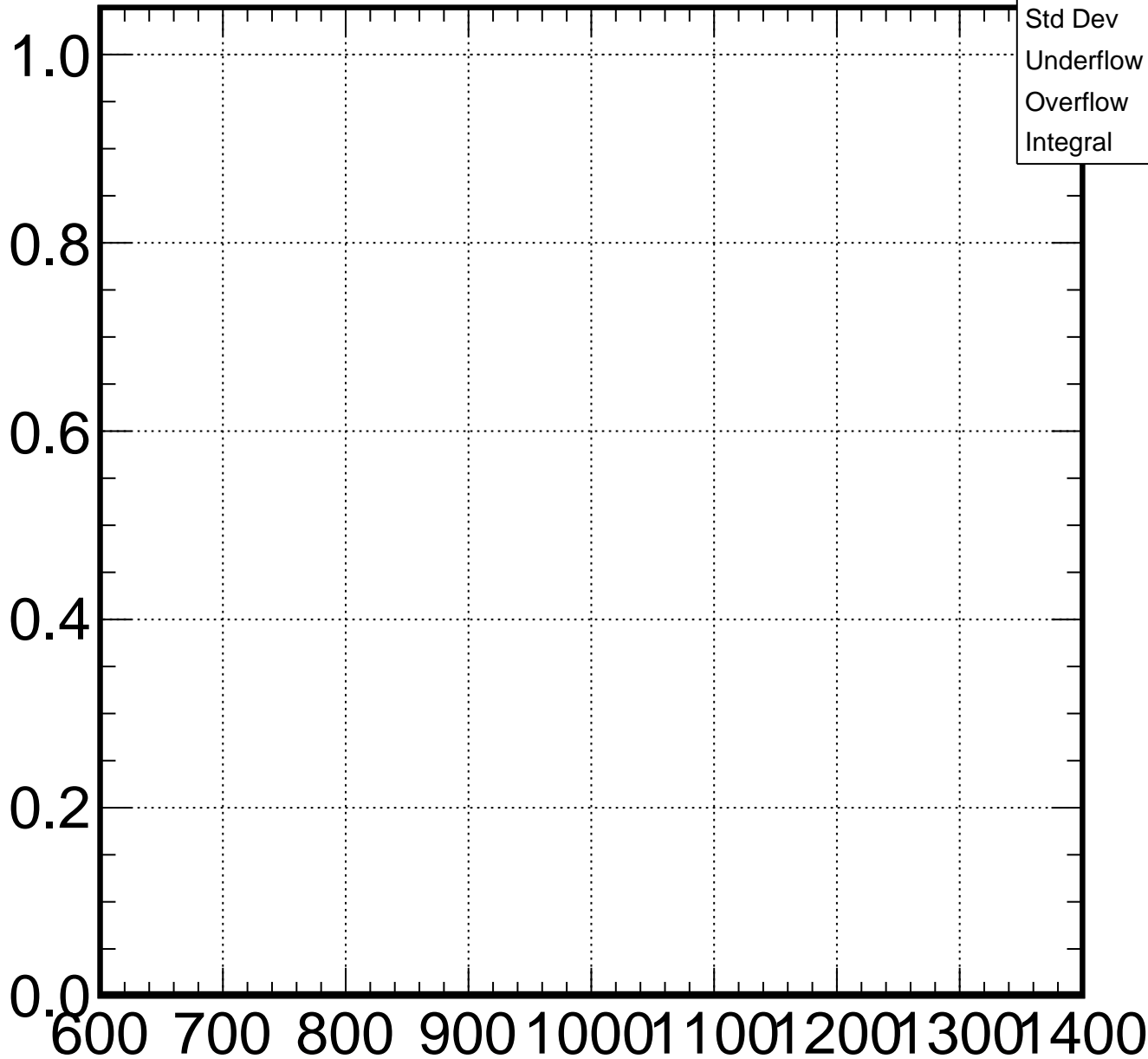


h_highPtZpM_pass_L



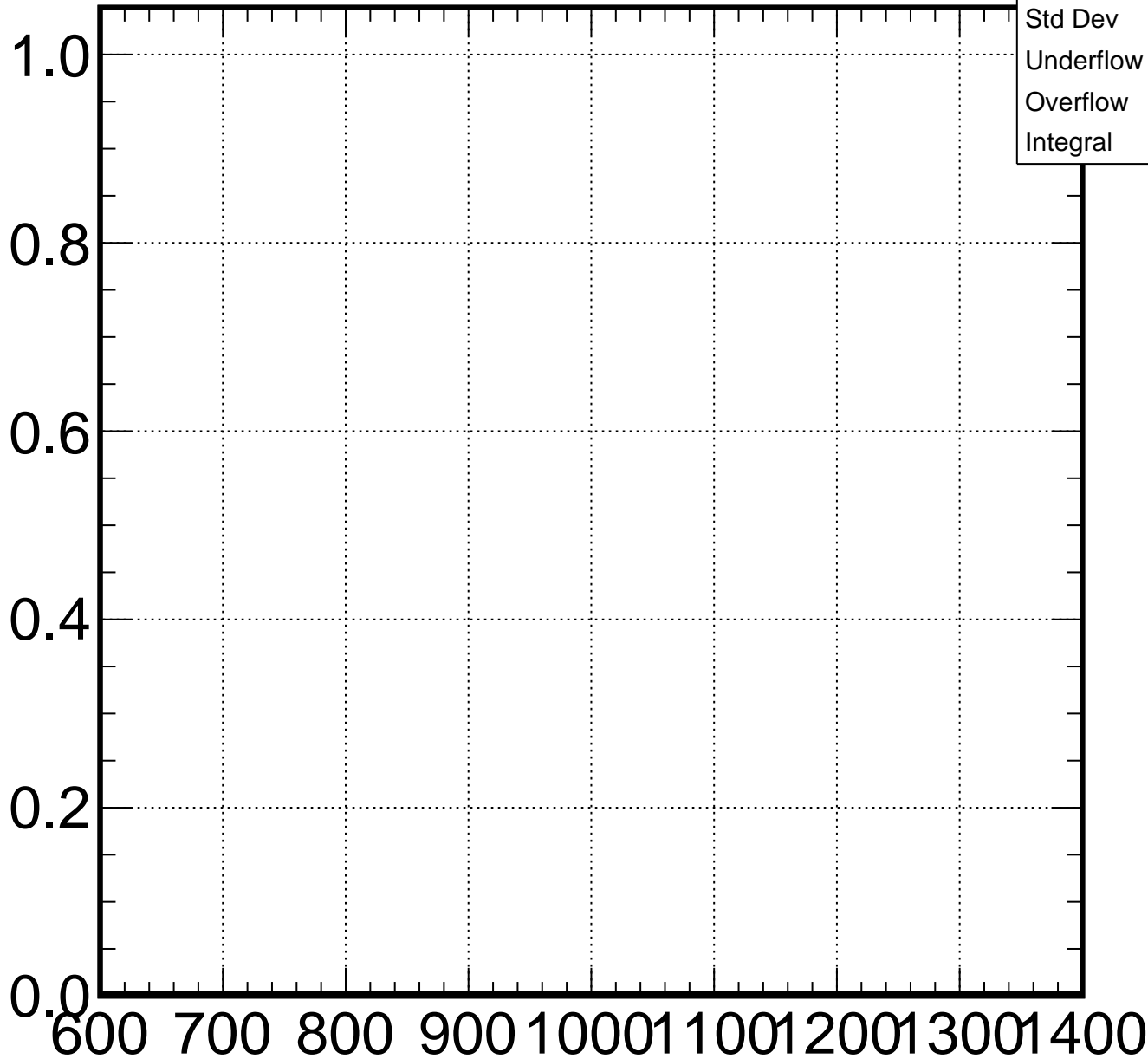
h_highPtZpM_pass_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_pass_M



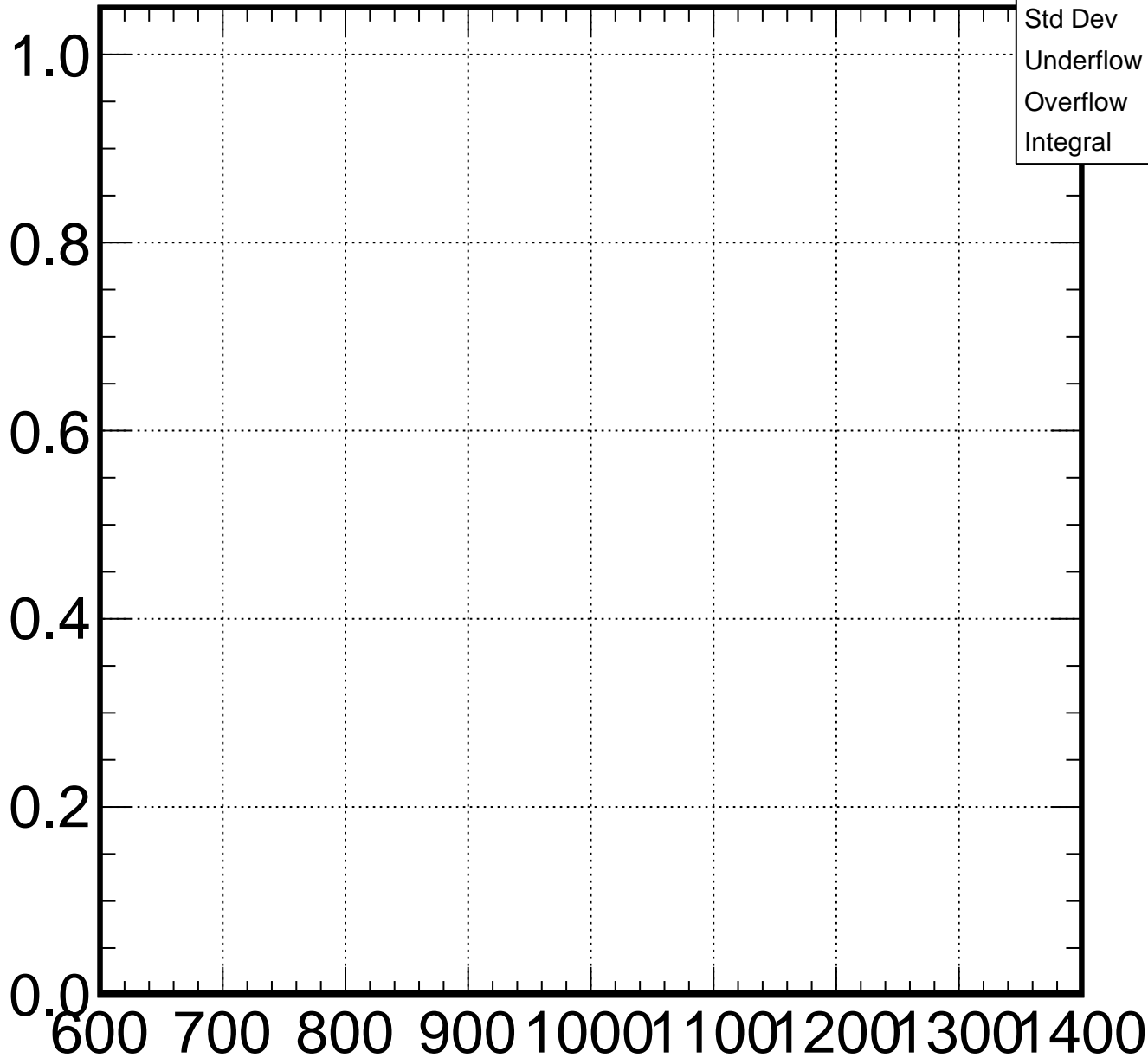
h_highPtZpM_pass_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_pass_T



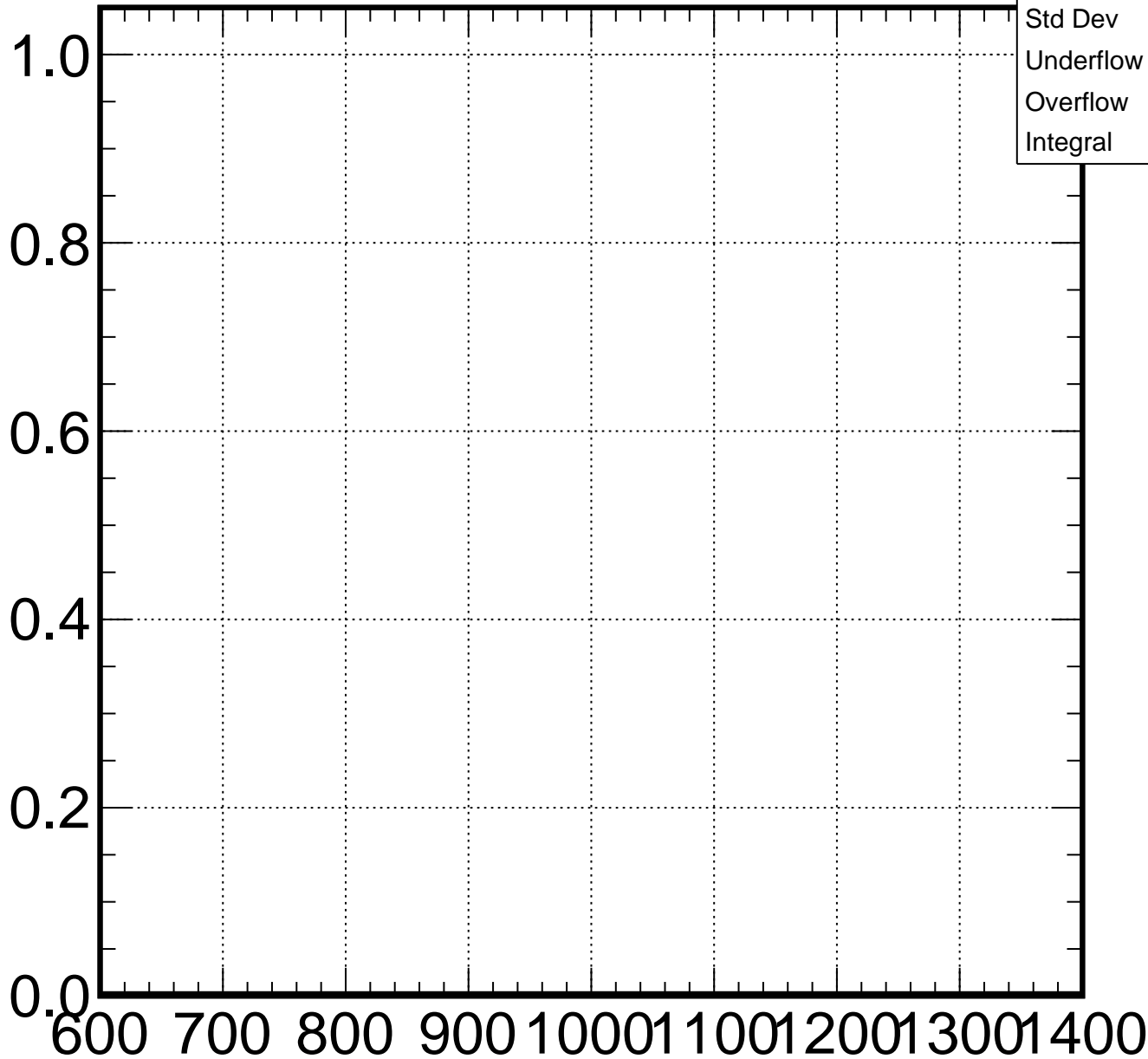
h_highPtZpM_pass_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_ratio_L



h_highPtZpM_ratio_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_ratio_M



h_highPtZpM_ratio_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_ratio_T

h_highPtZpM_ratio_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

