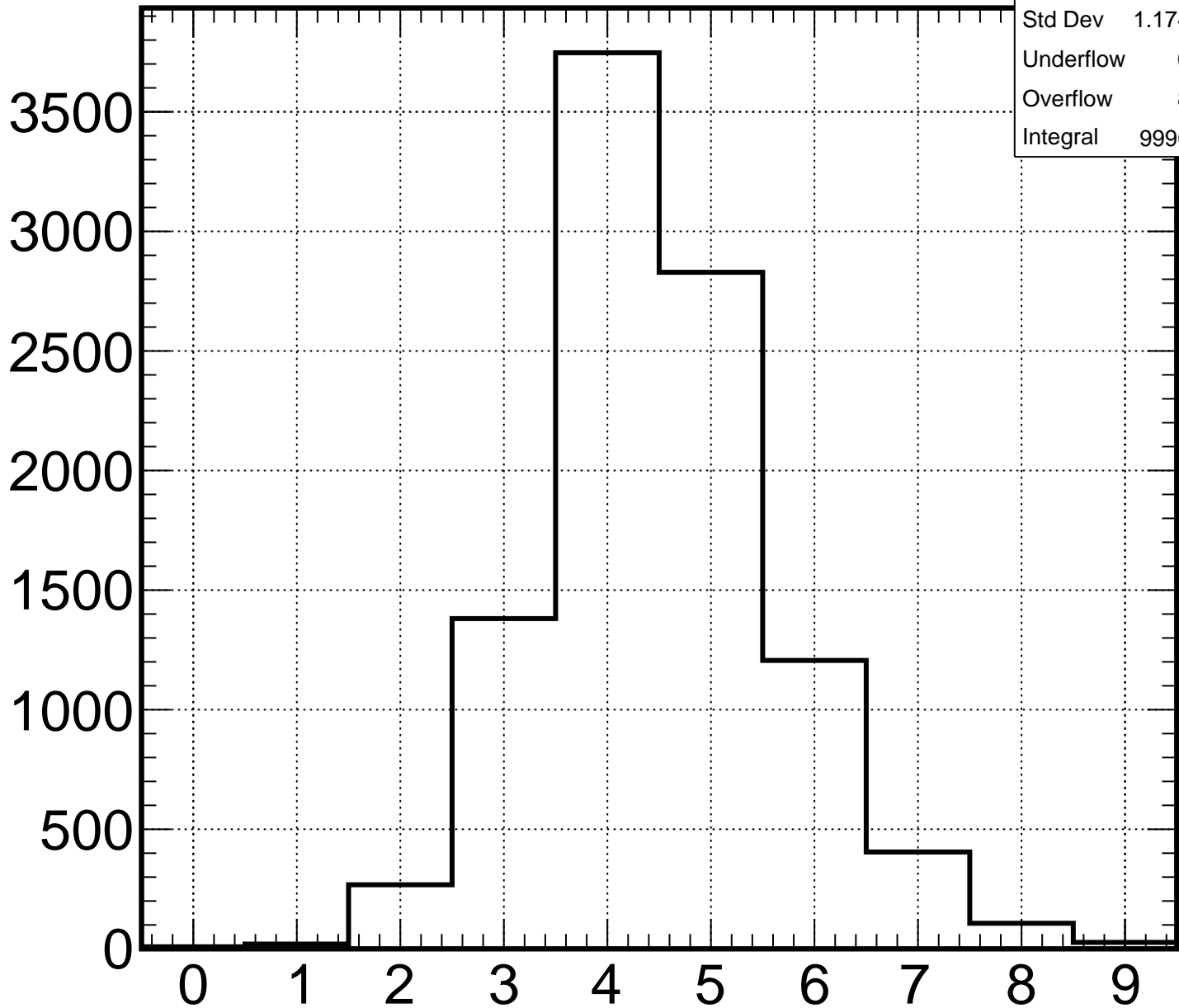


h_NgoodJets

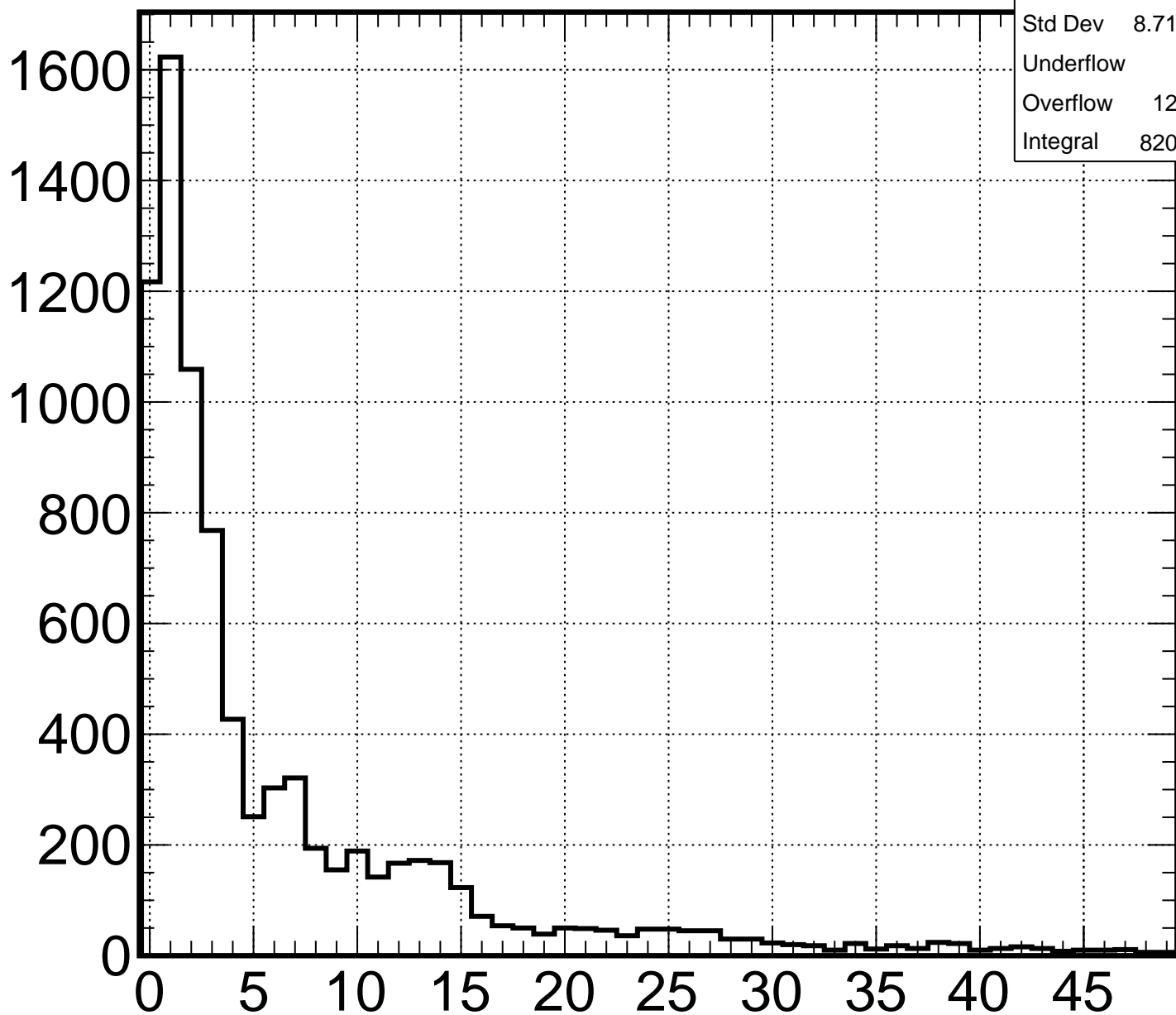
h_NgoodJets	
Mean	4.505
Std Dev	1.174
Underflow	0
Overflow	8
Integral	9990



h_Ncom

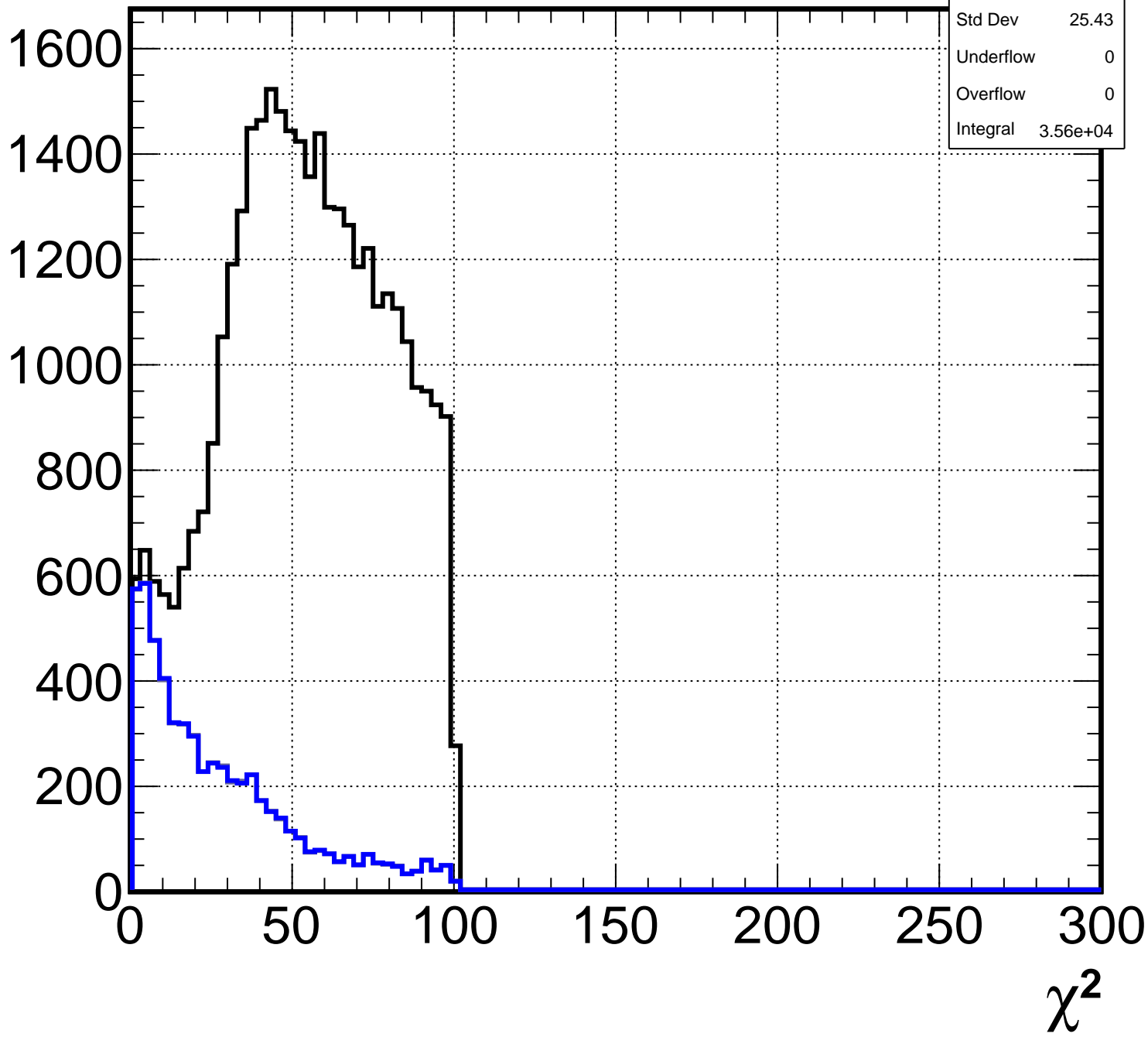
h_Ncom

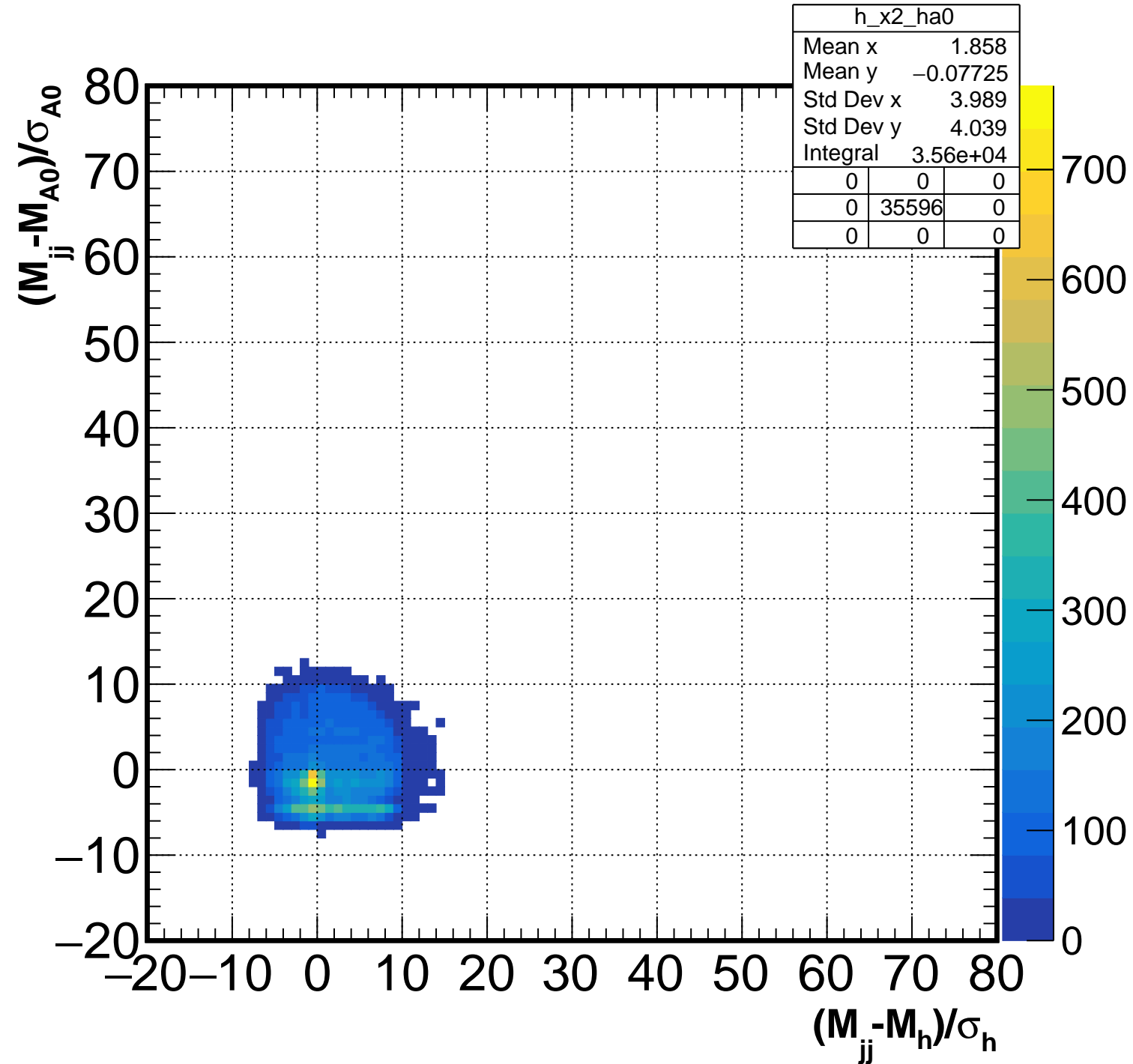
Mean	6.426
Std Dev	8.715
Underflow	0
Overflow	124
Integral	8205

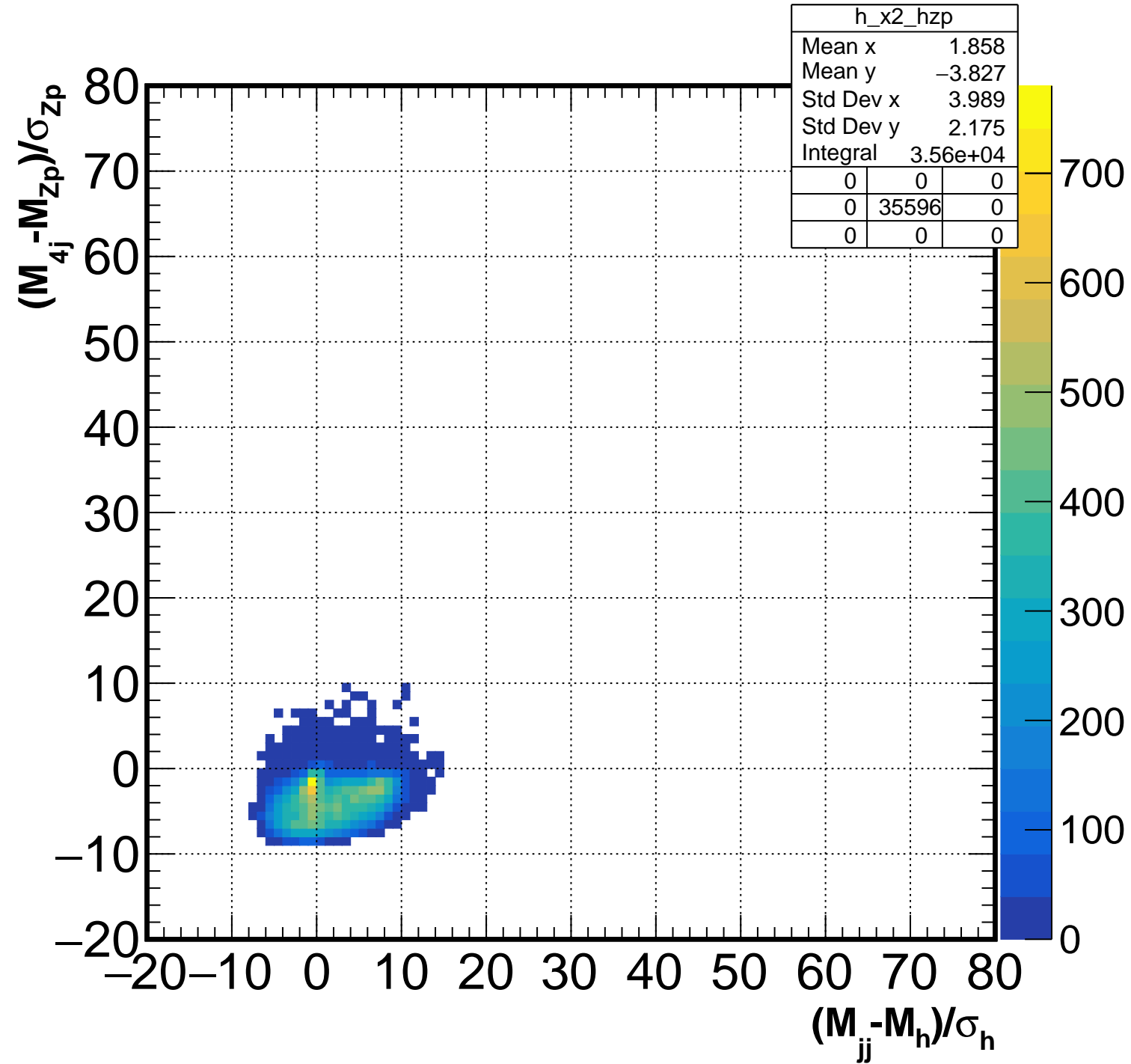


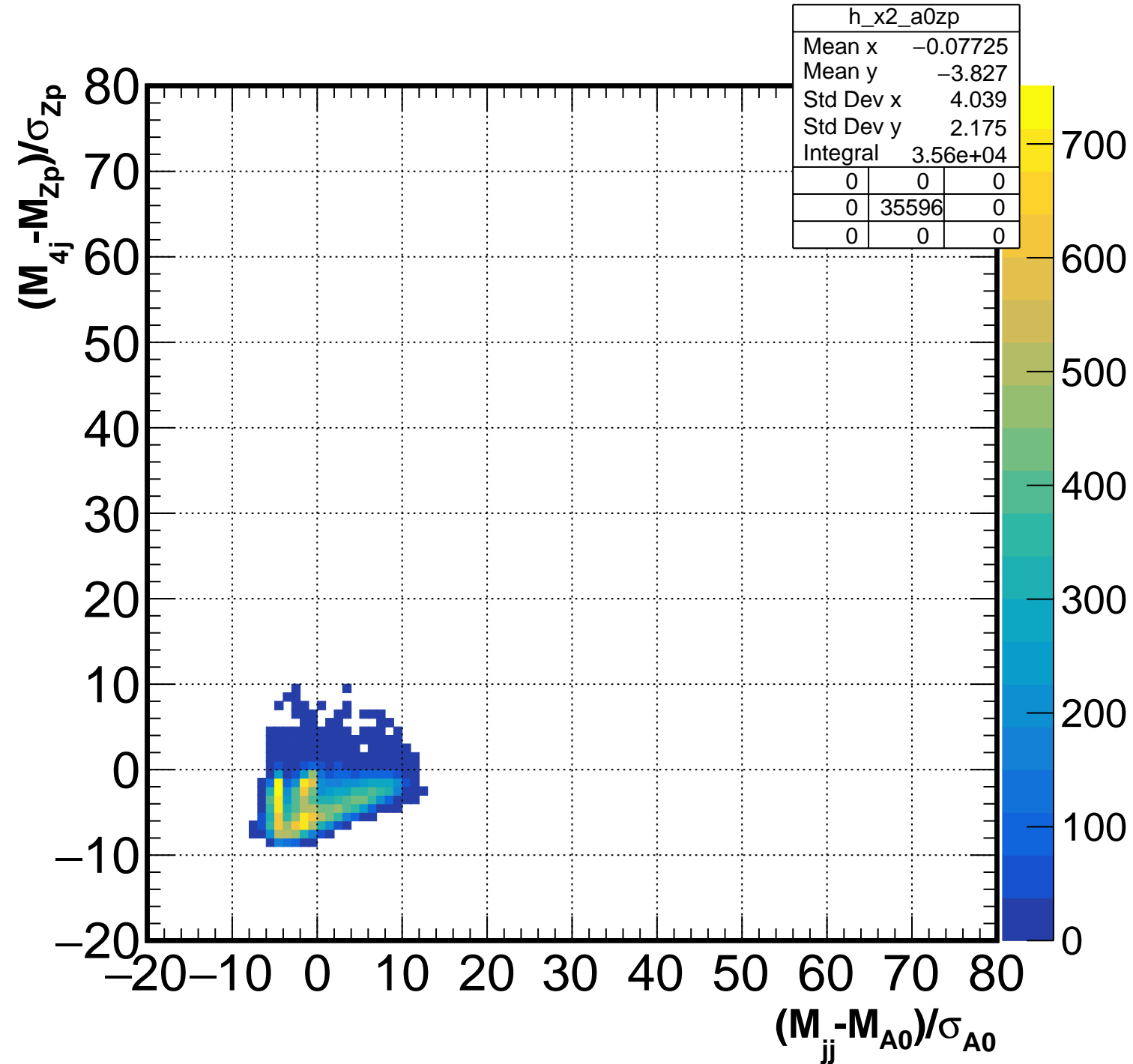
h_x2_all

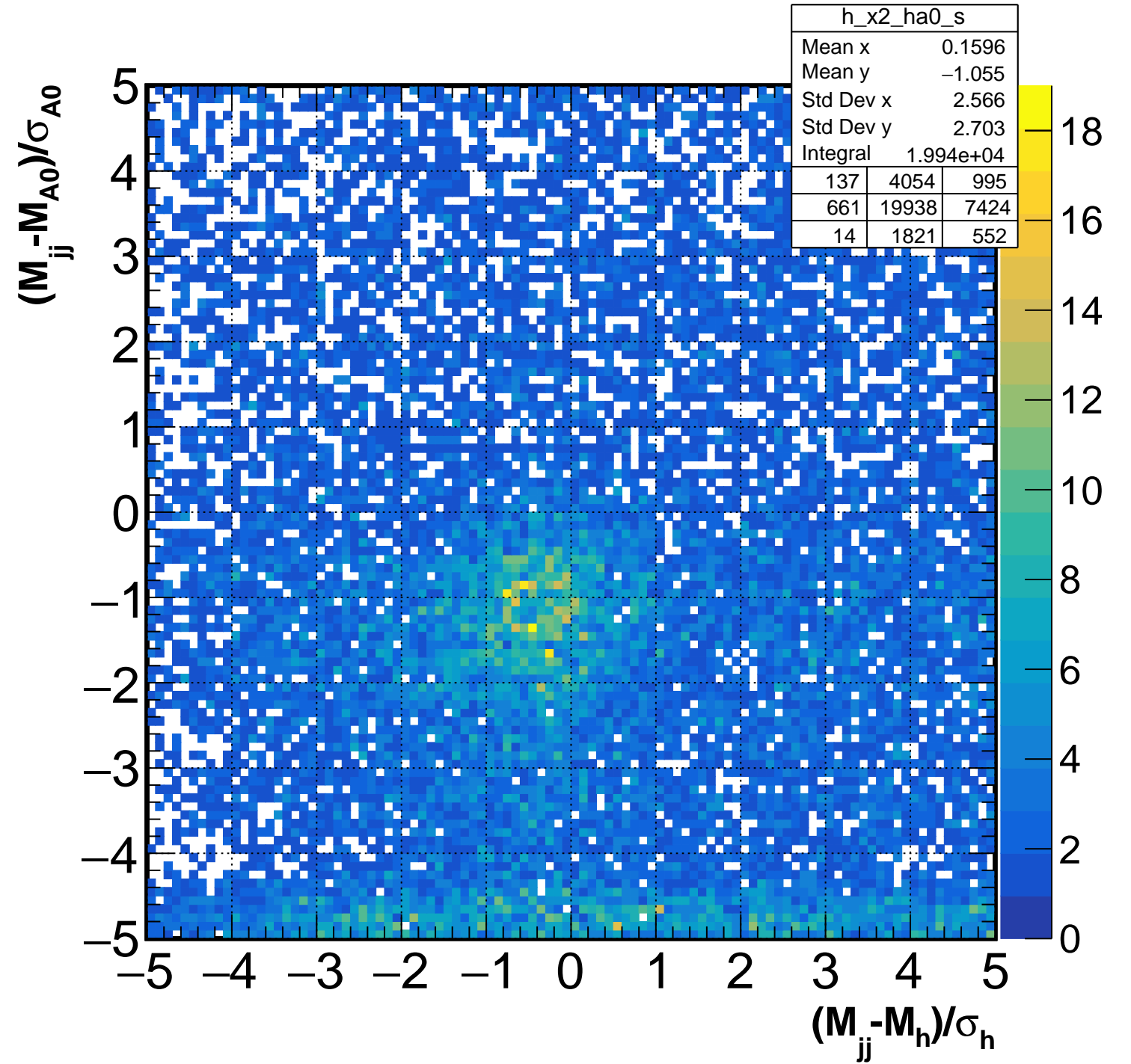
h_x2_all	
Mean	53.43
Std Dev	25.43
Underflow	0
Overflow	0
Integral	3.56e+04

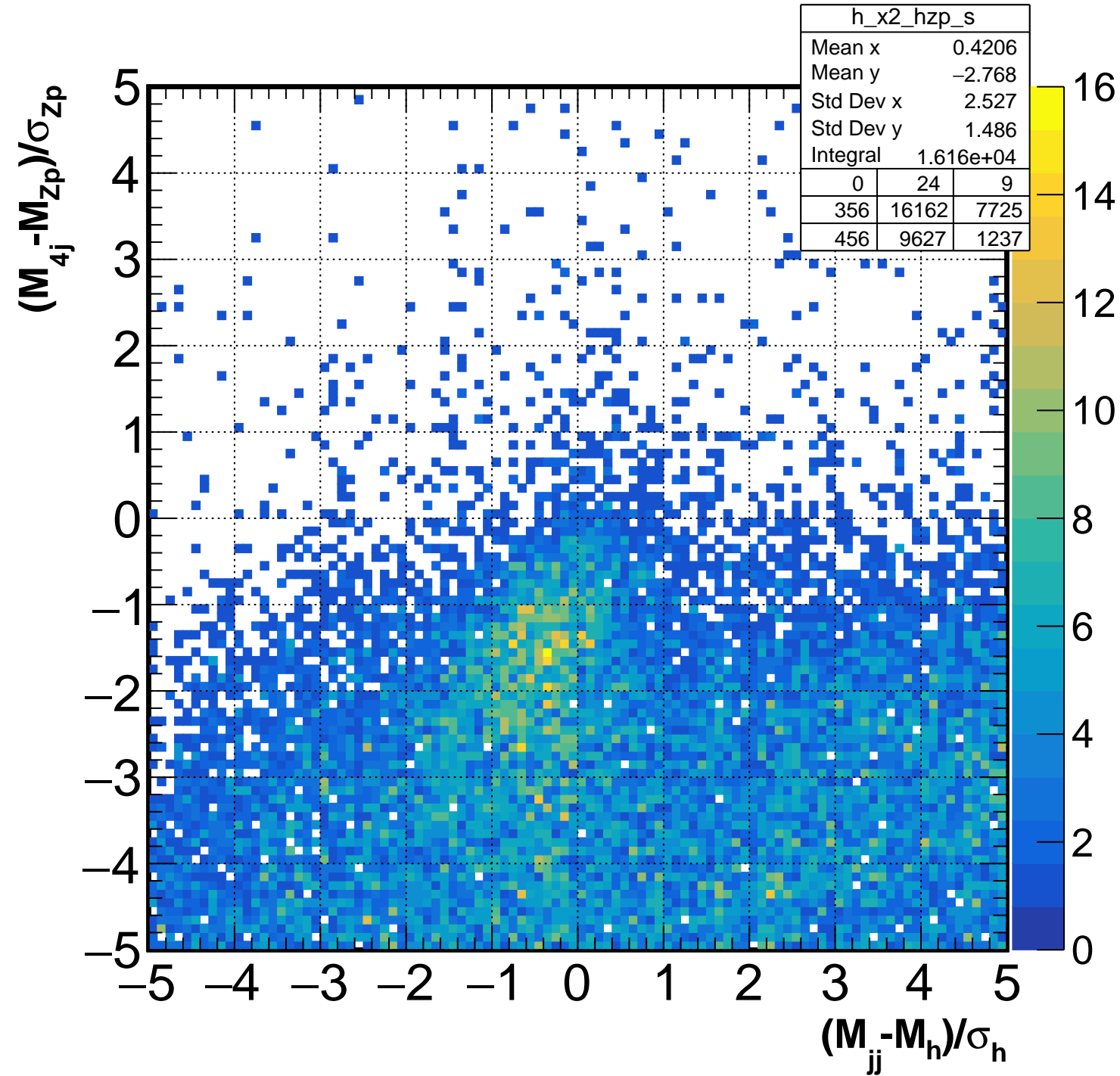


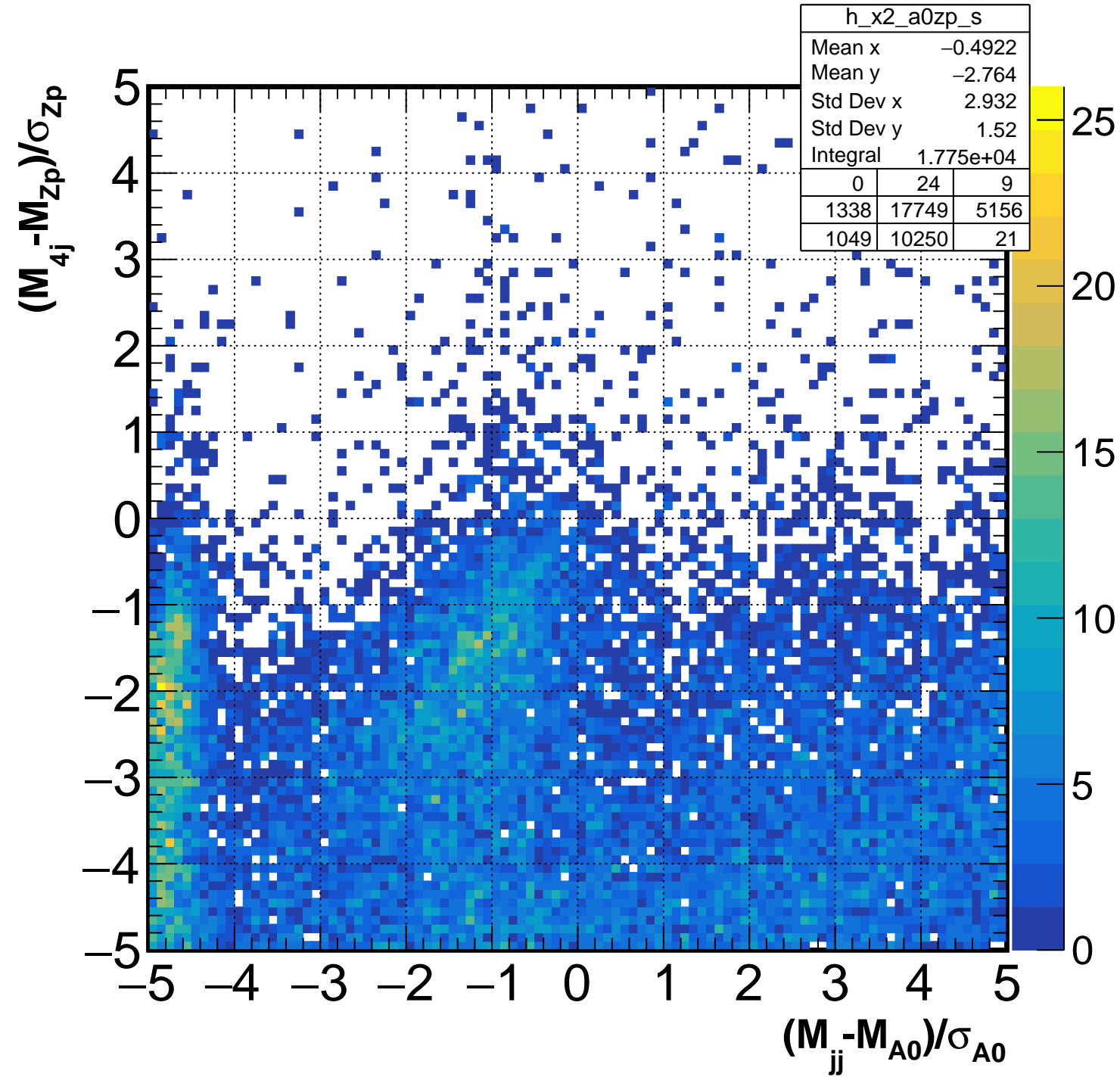


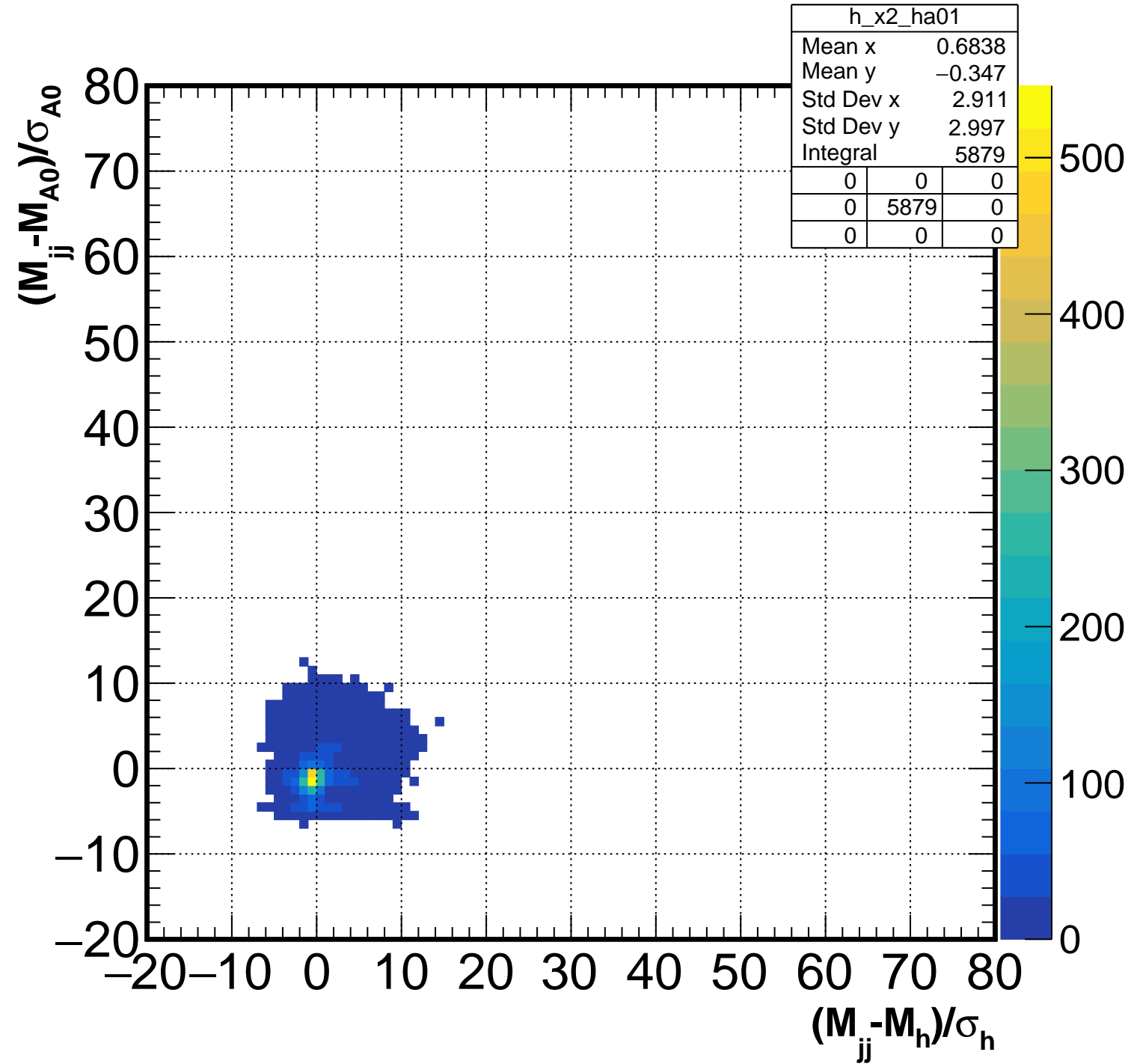


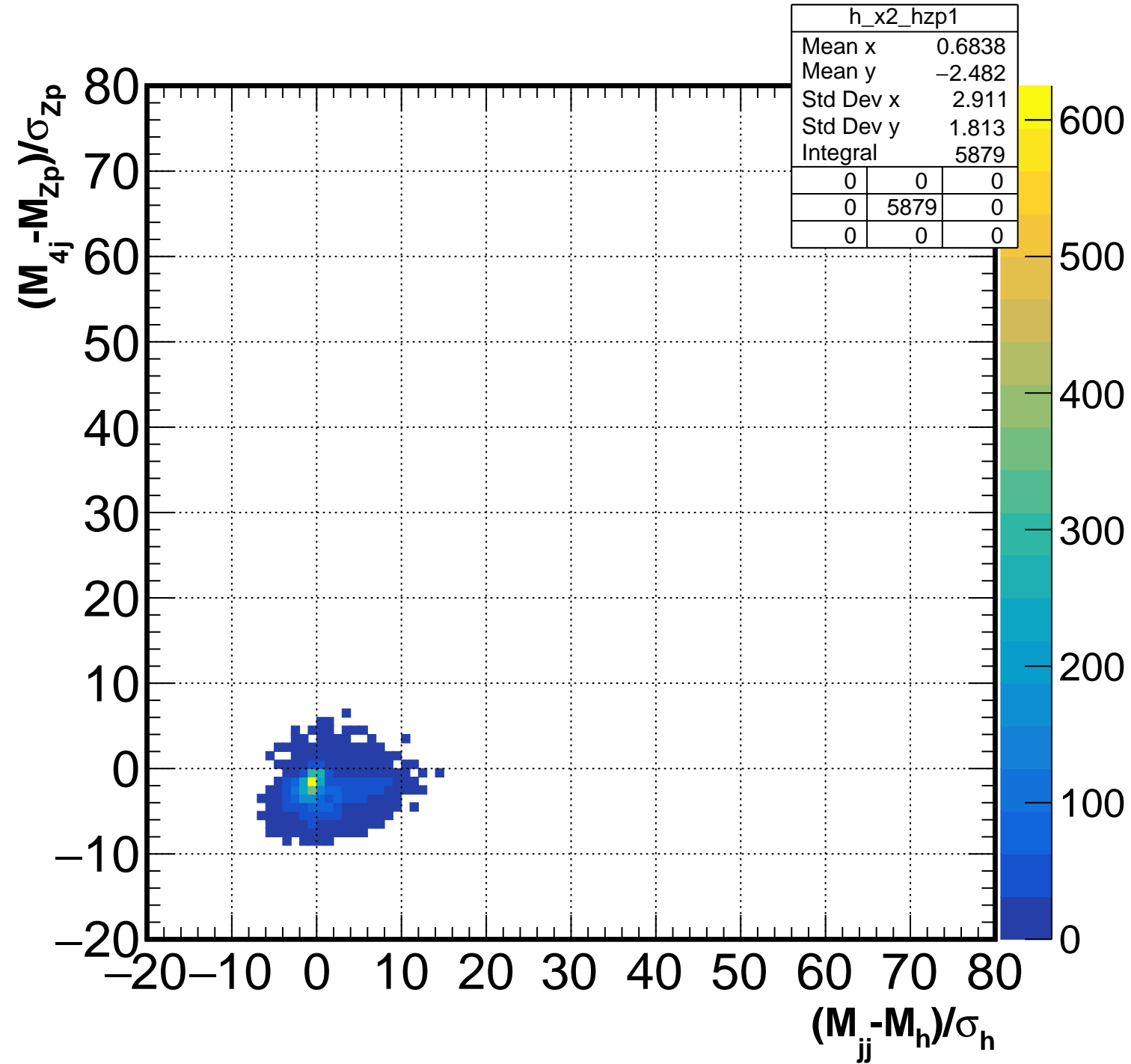


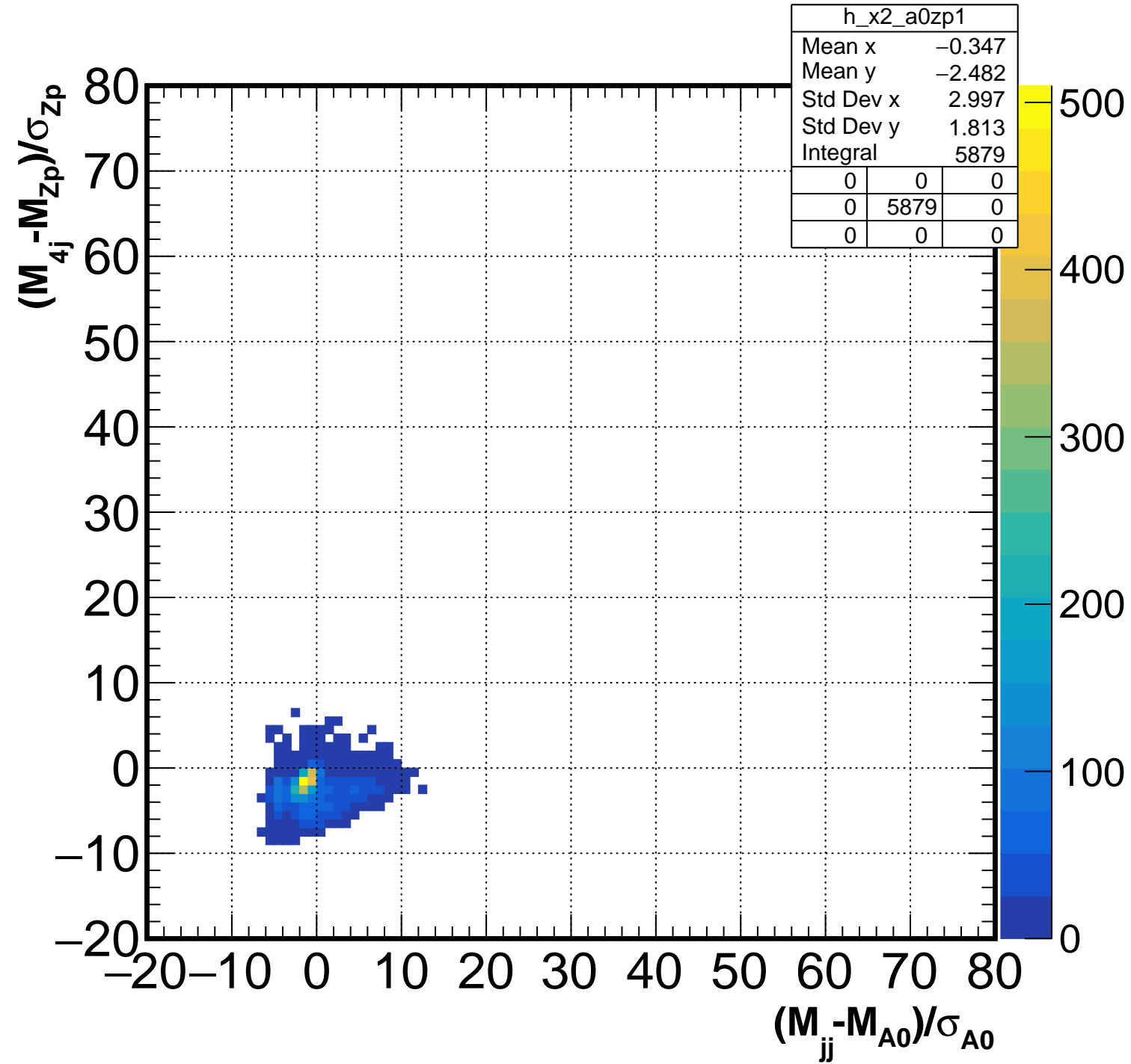


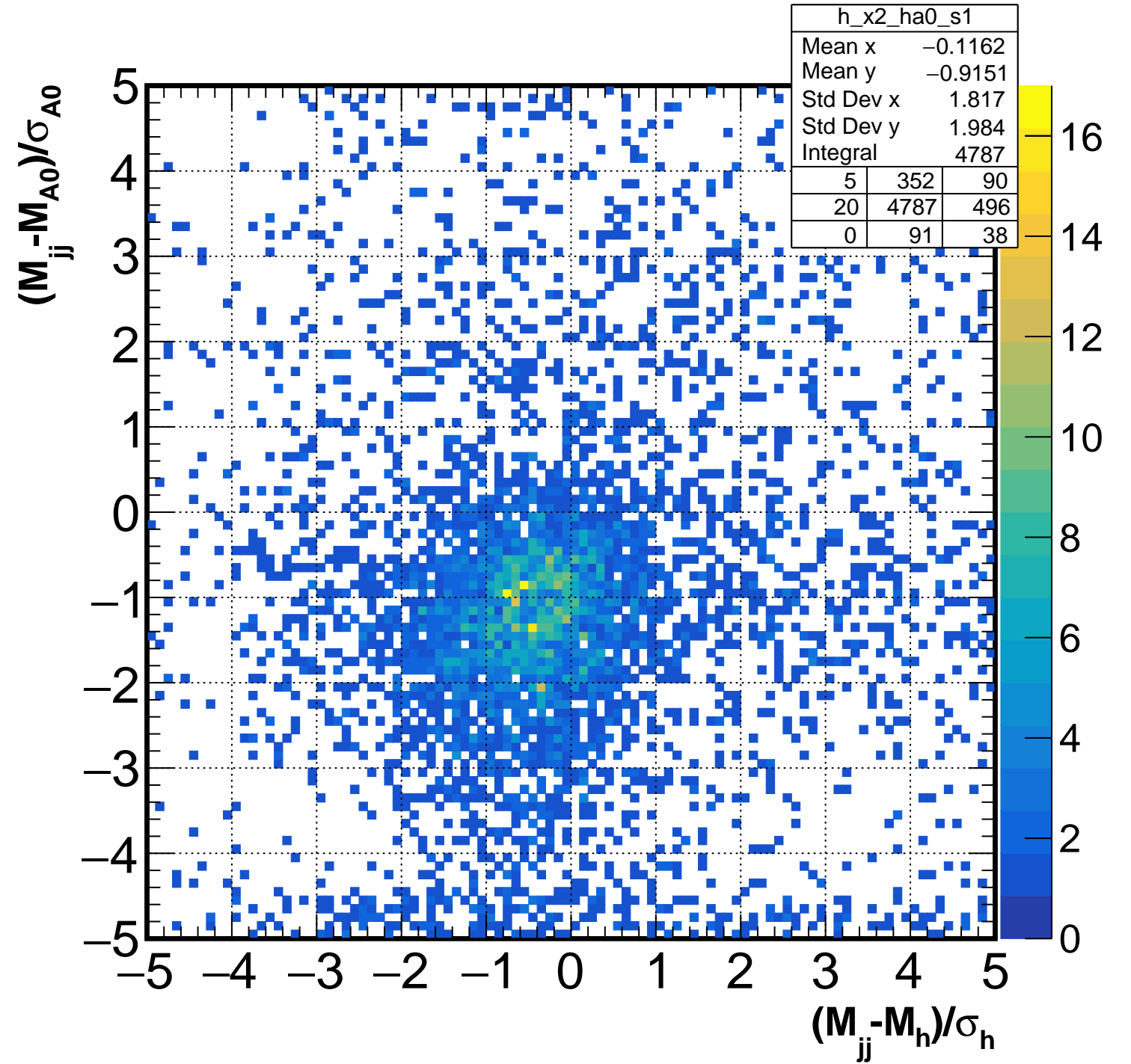


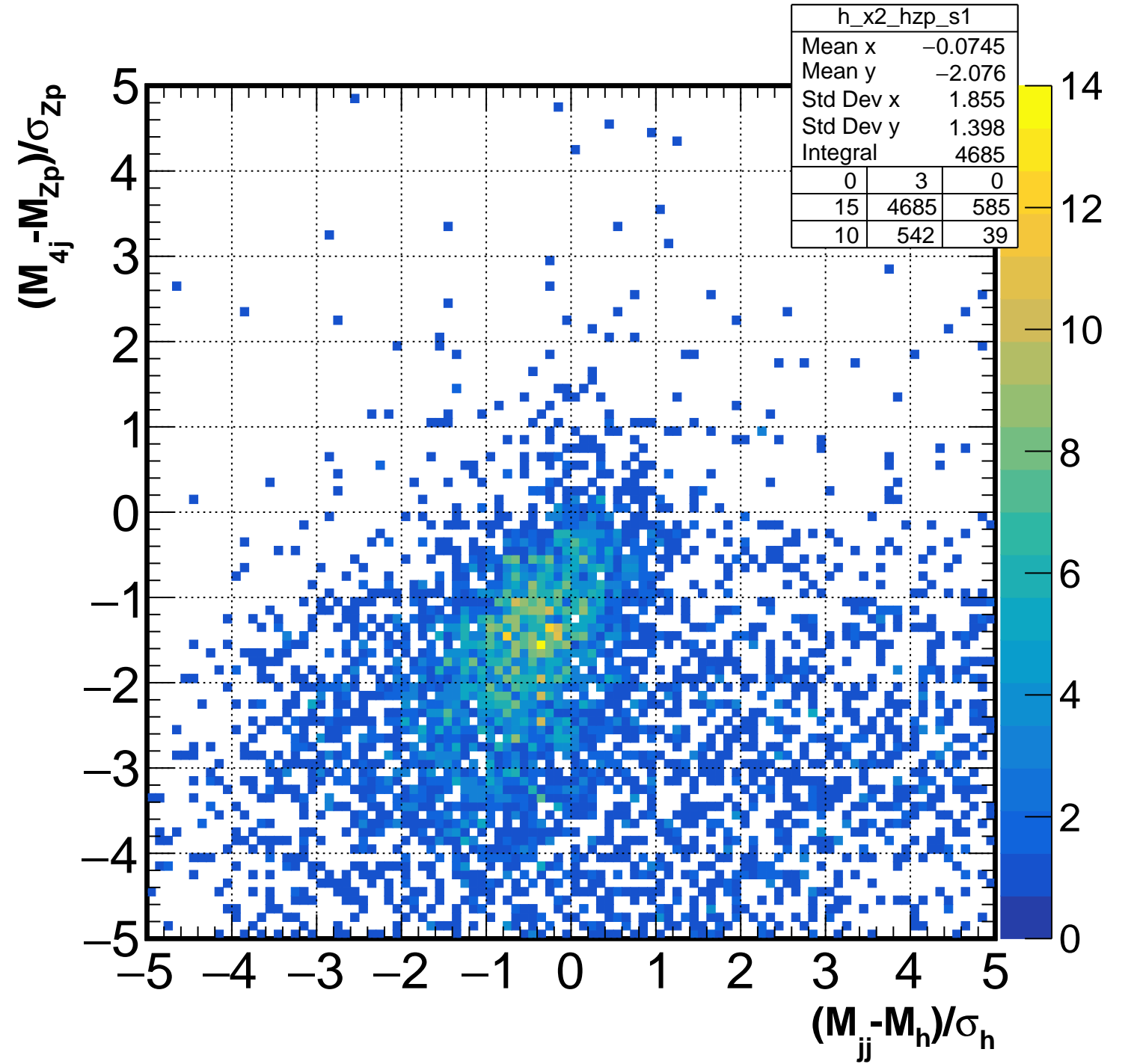


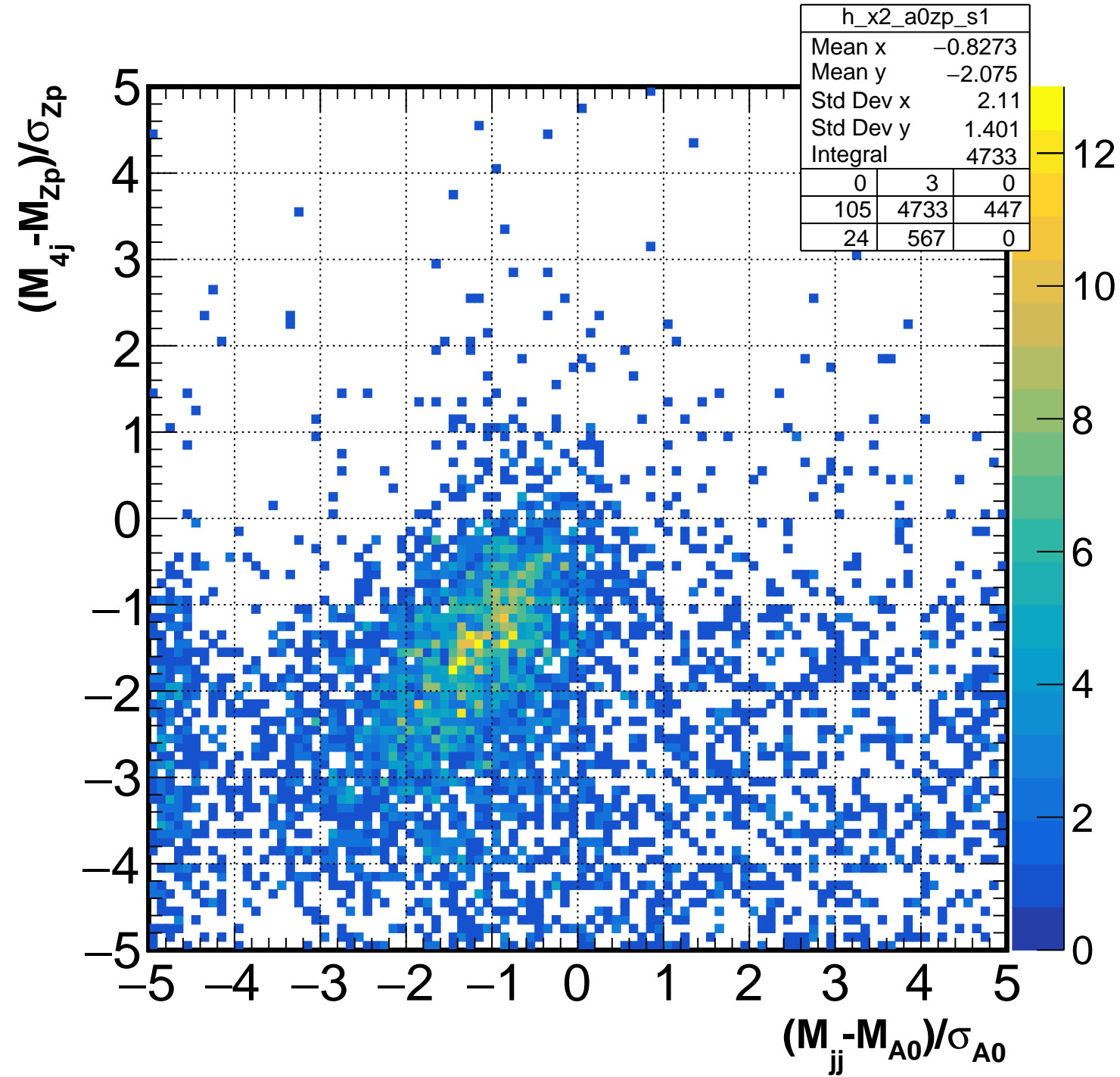




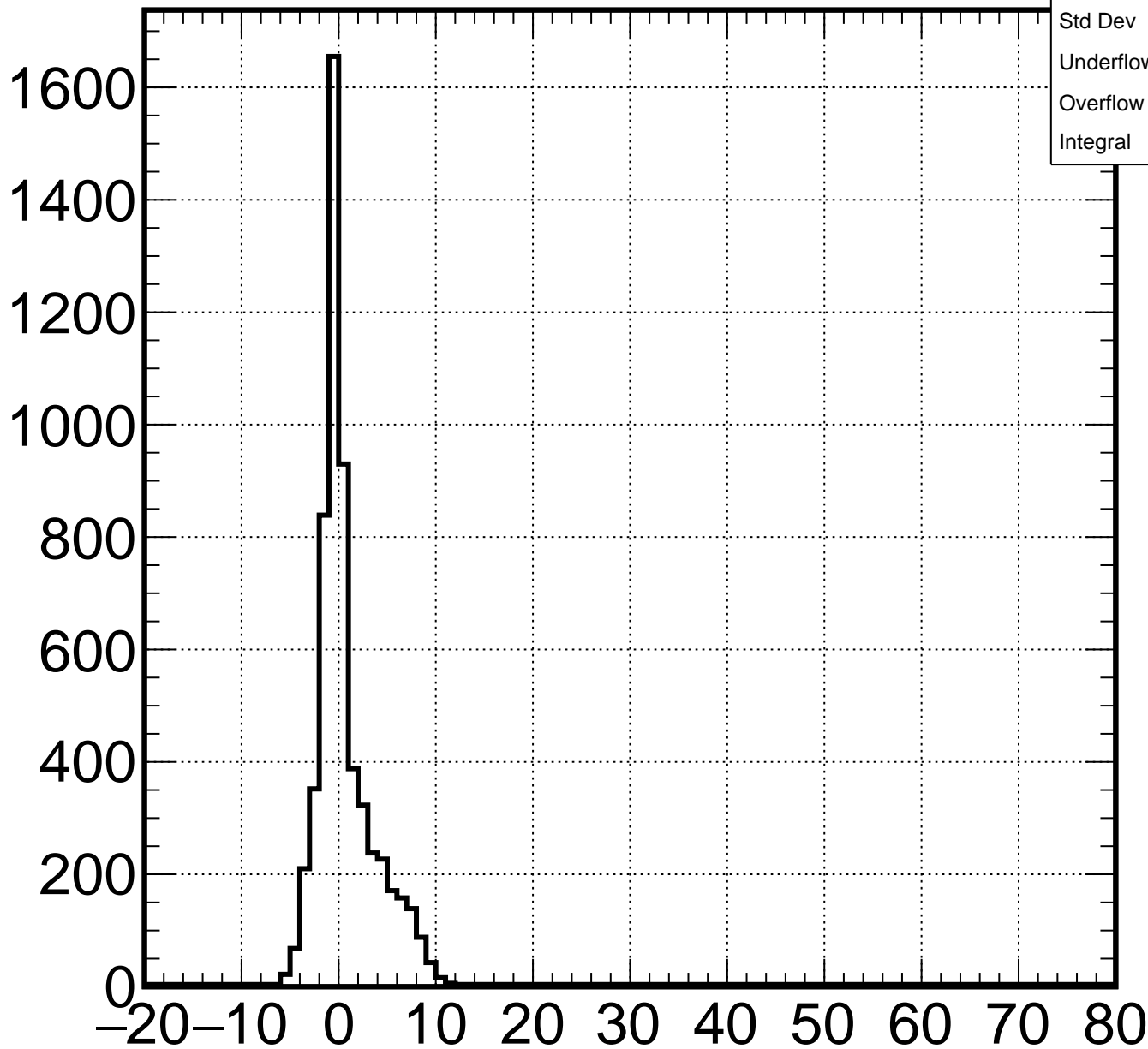








h_x2_h

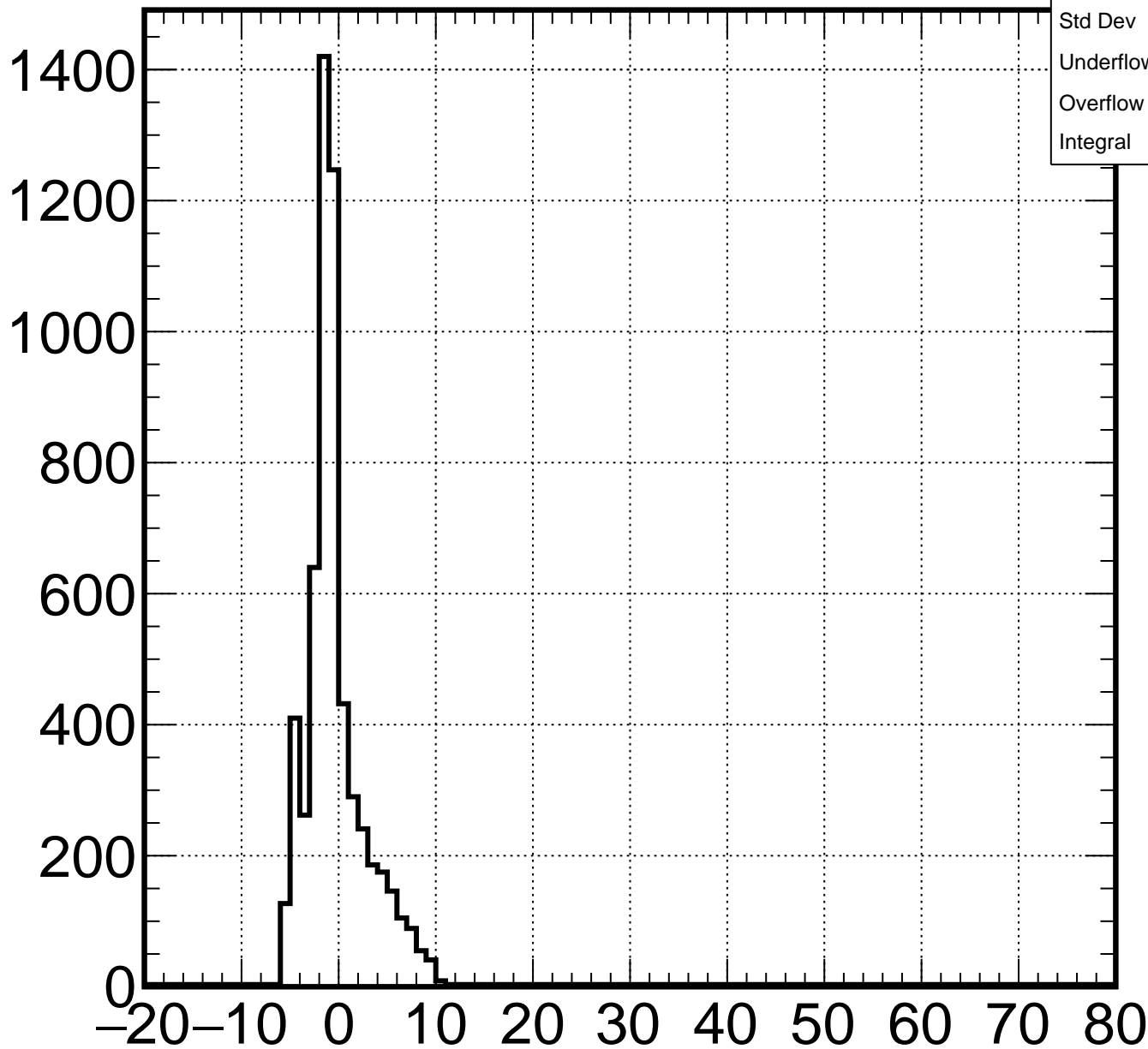


h_x2_h	
Mean	0.6838
Std Dev	2.911
Underflow	0
Overflow	0
Integral	5879

h_x2_a0

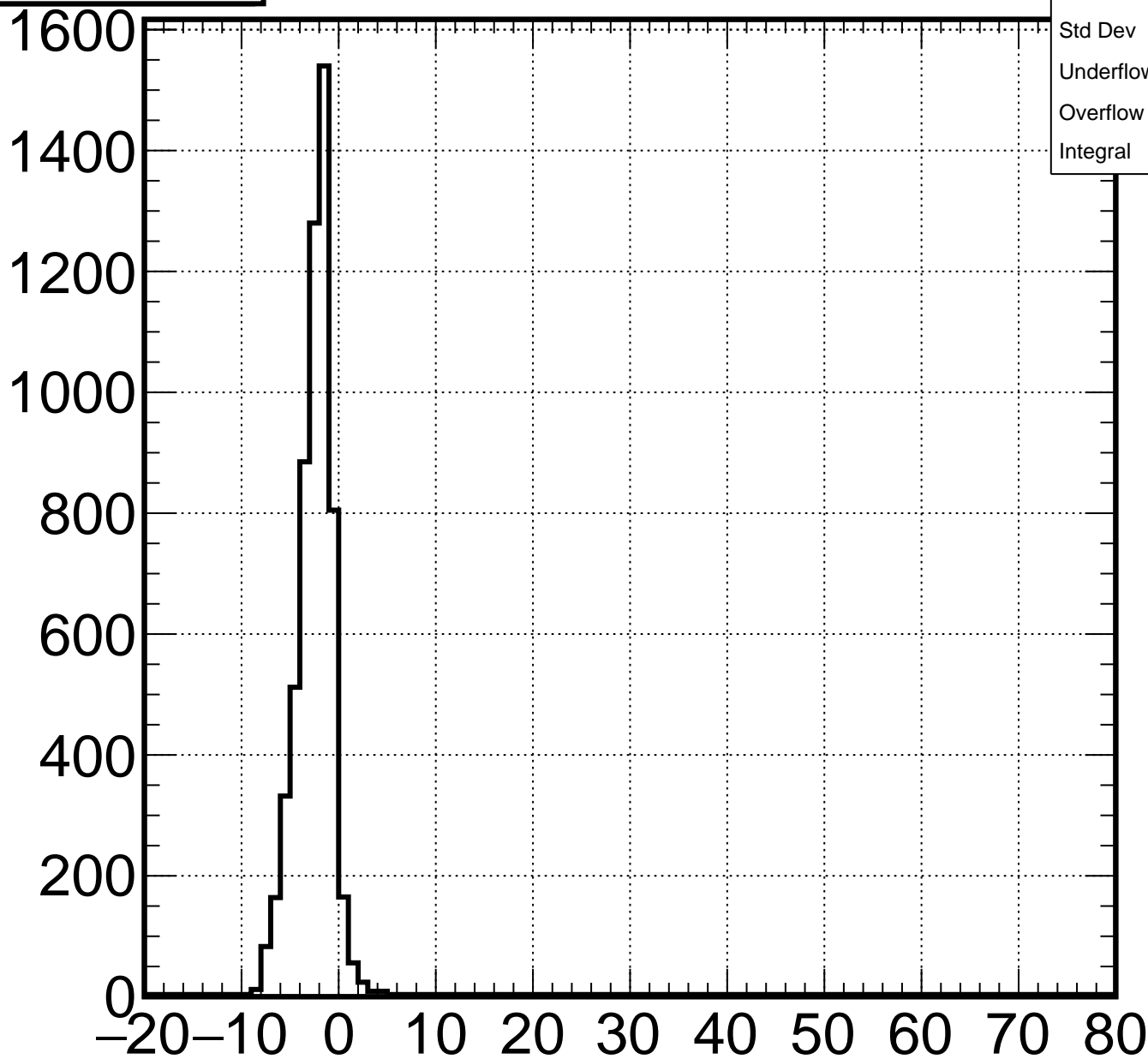
h_x2_a0

Mean	-0.347
Std Dev	2.997
Underflow	0
Overflow	0
Integral	5879

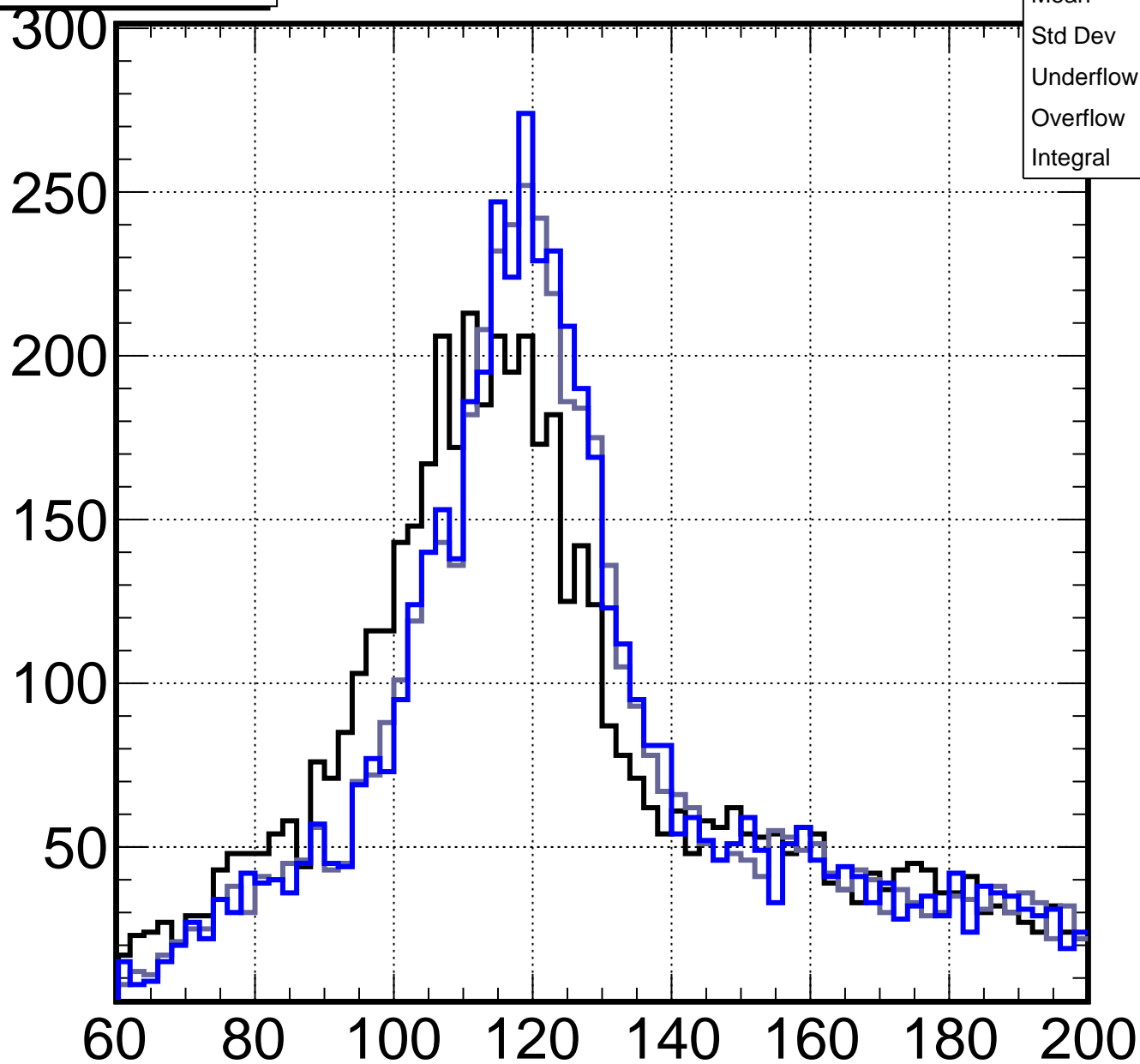


h_x2_zp

h_x2_zp	
Mean	-2.482
Std Dev	1.813
Underflow	0
Overflow	0
Integral	5879



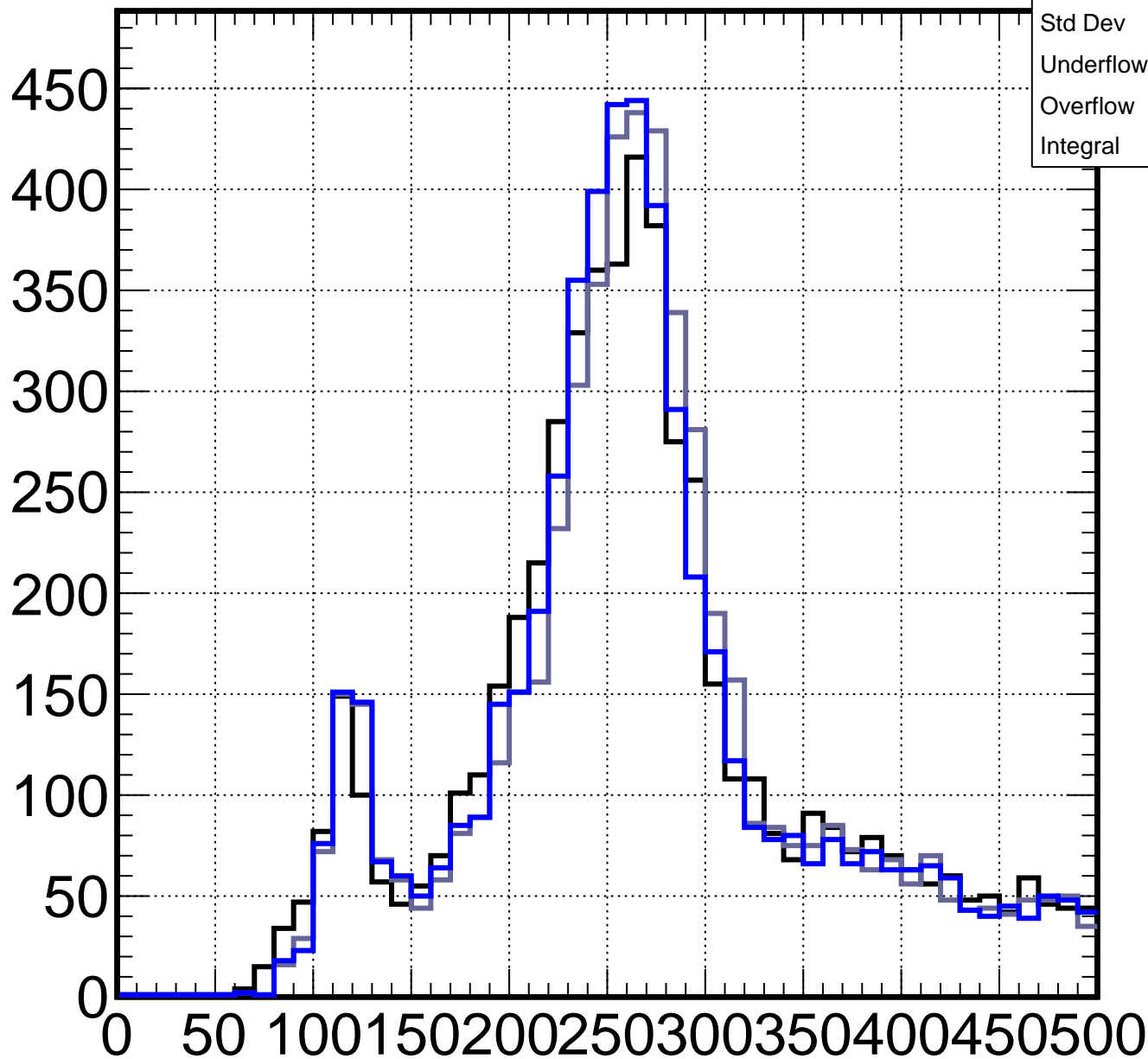
h_higgsM



h_A0M

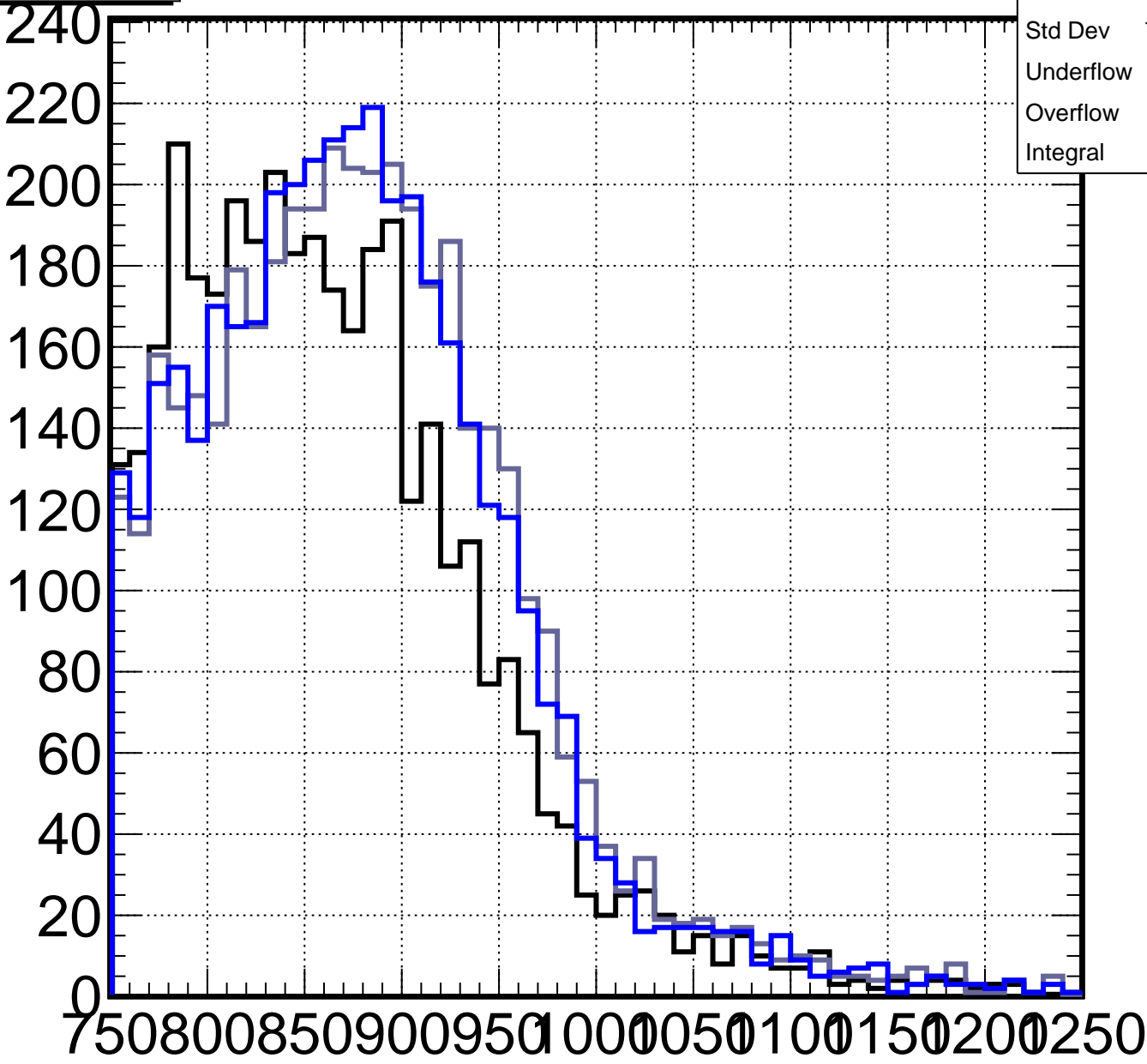
h_a0M

Mean	266.2
Std Dev	87.5
Underflow	0
Overflow	357
Integral	5522

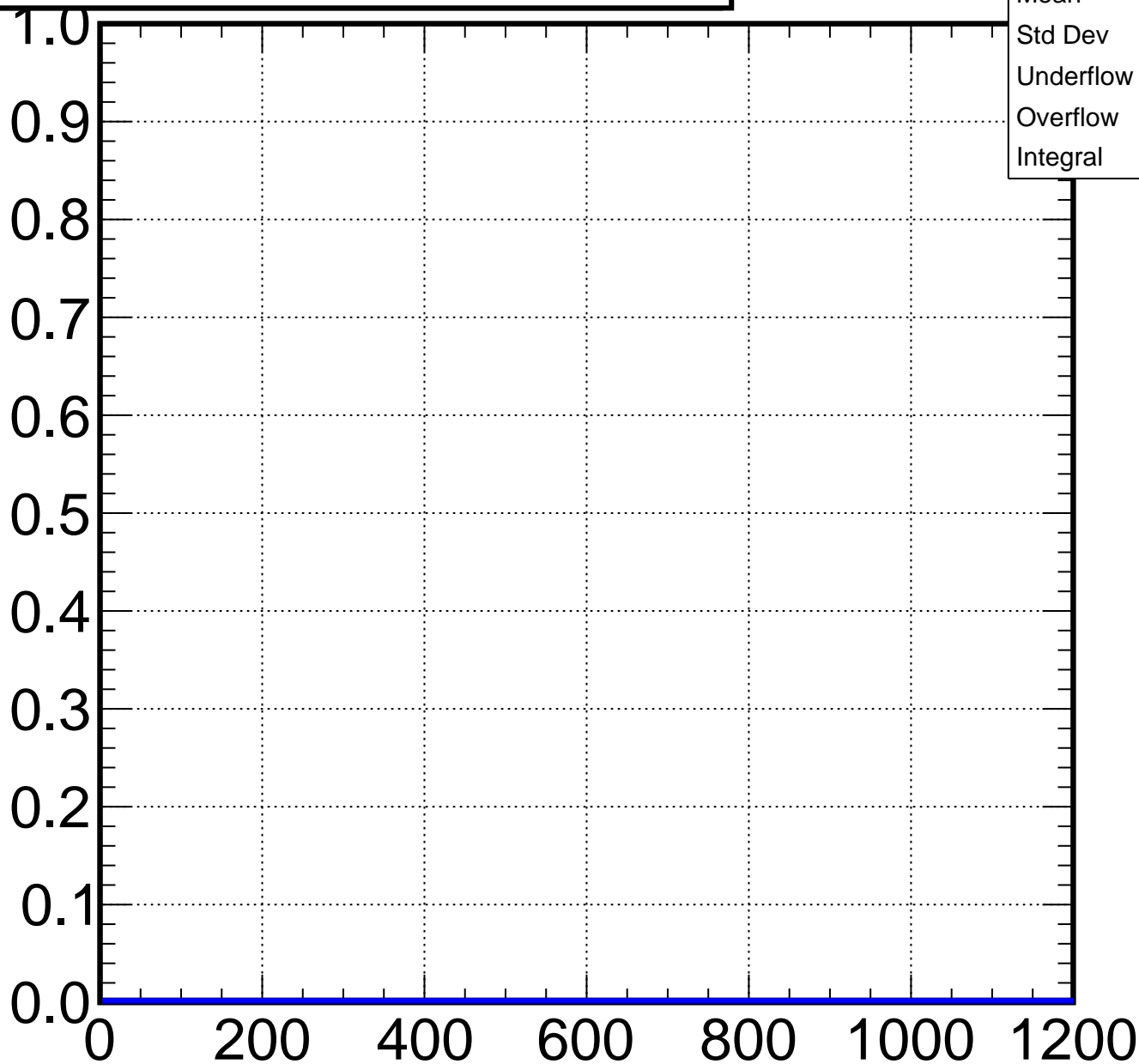


h_ZpM

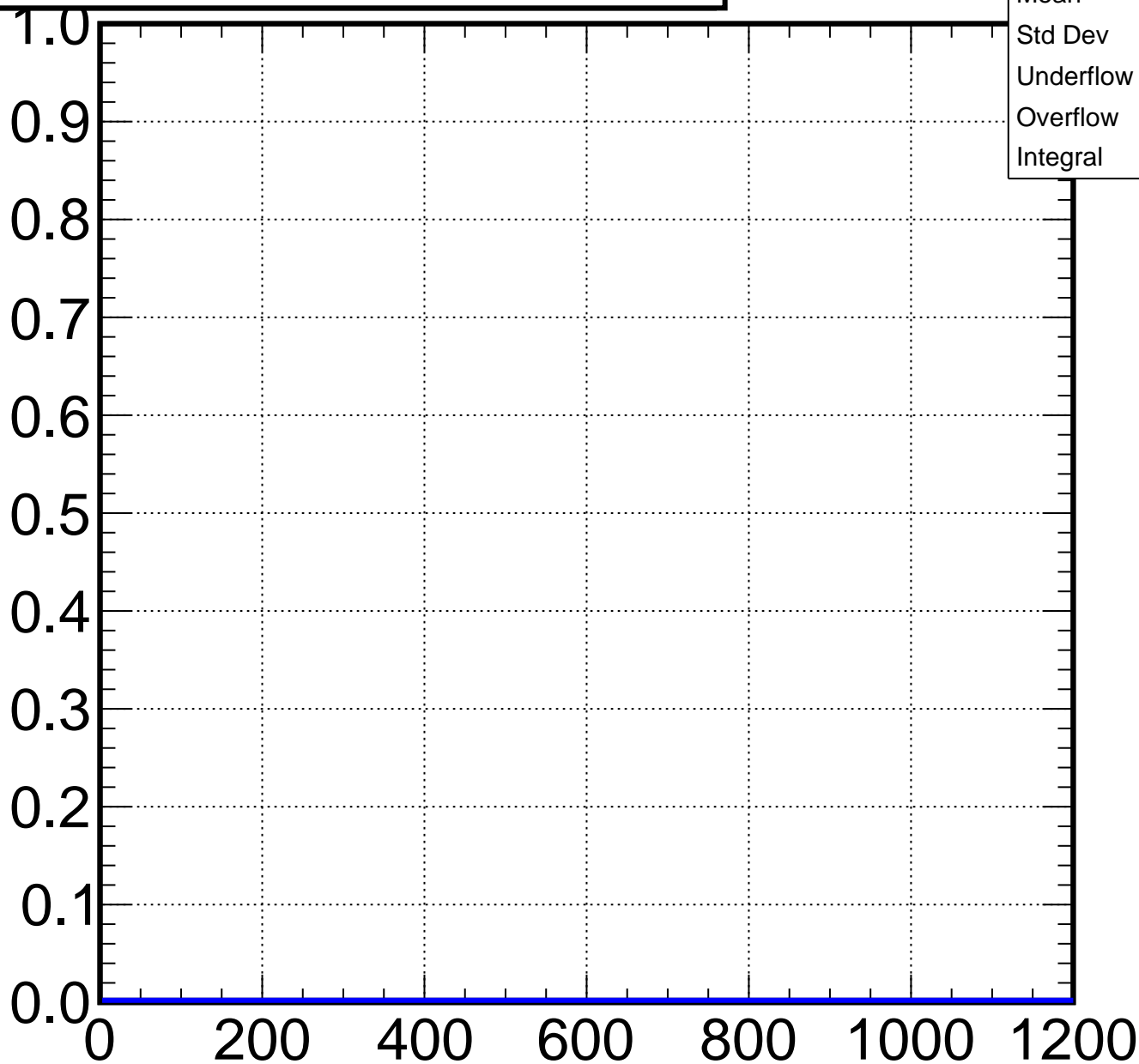
h_ZpM	
Mean	865.6
Std Dev	78.21
Underflow	2180
Overflow	19
Integral	3680



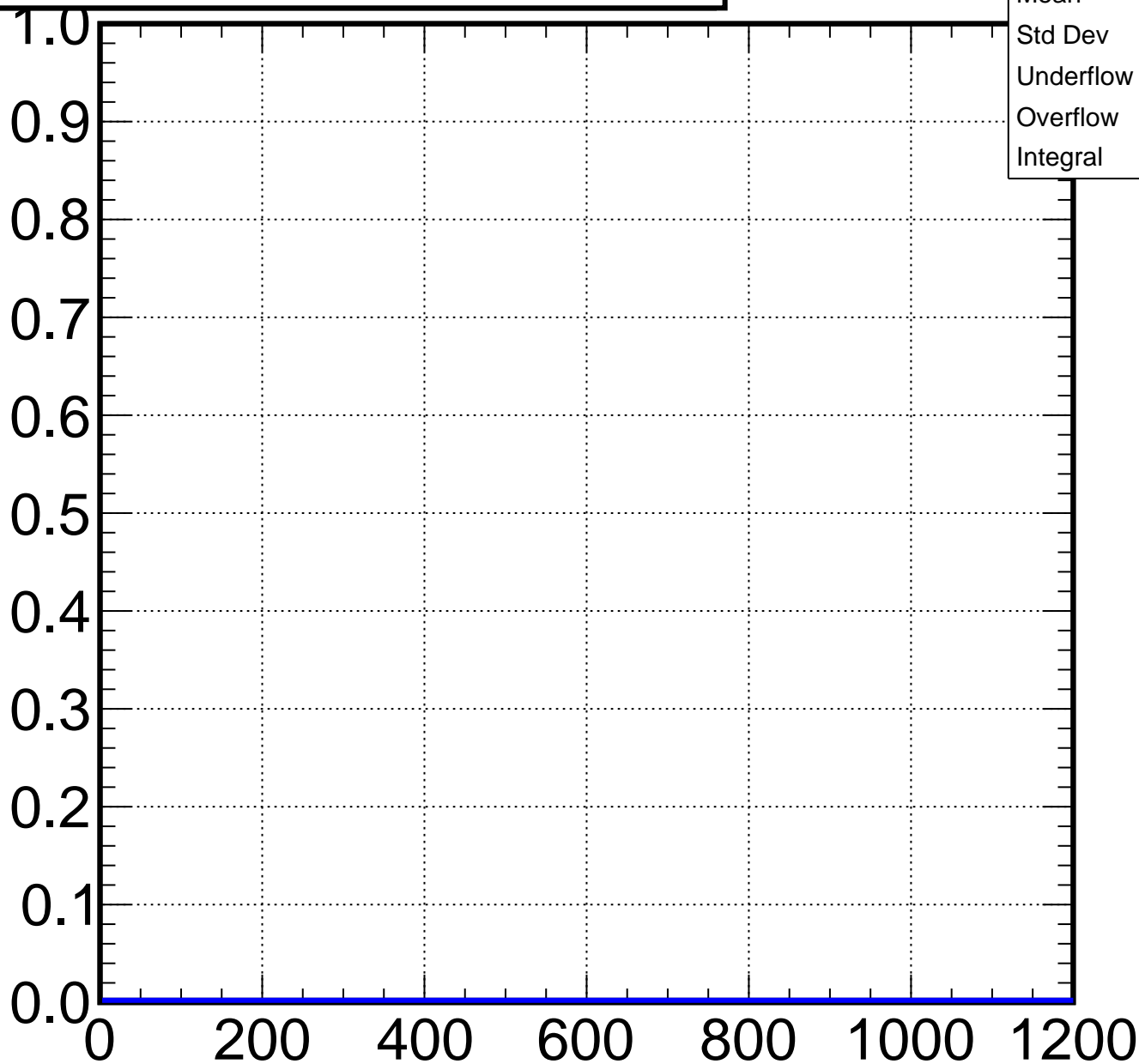
h_HA0rawPt_comparison



h_HA0PtSW_comparison

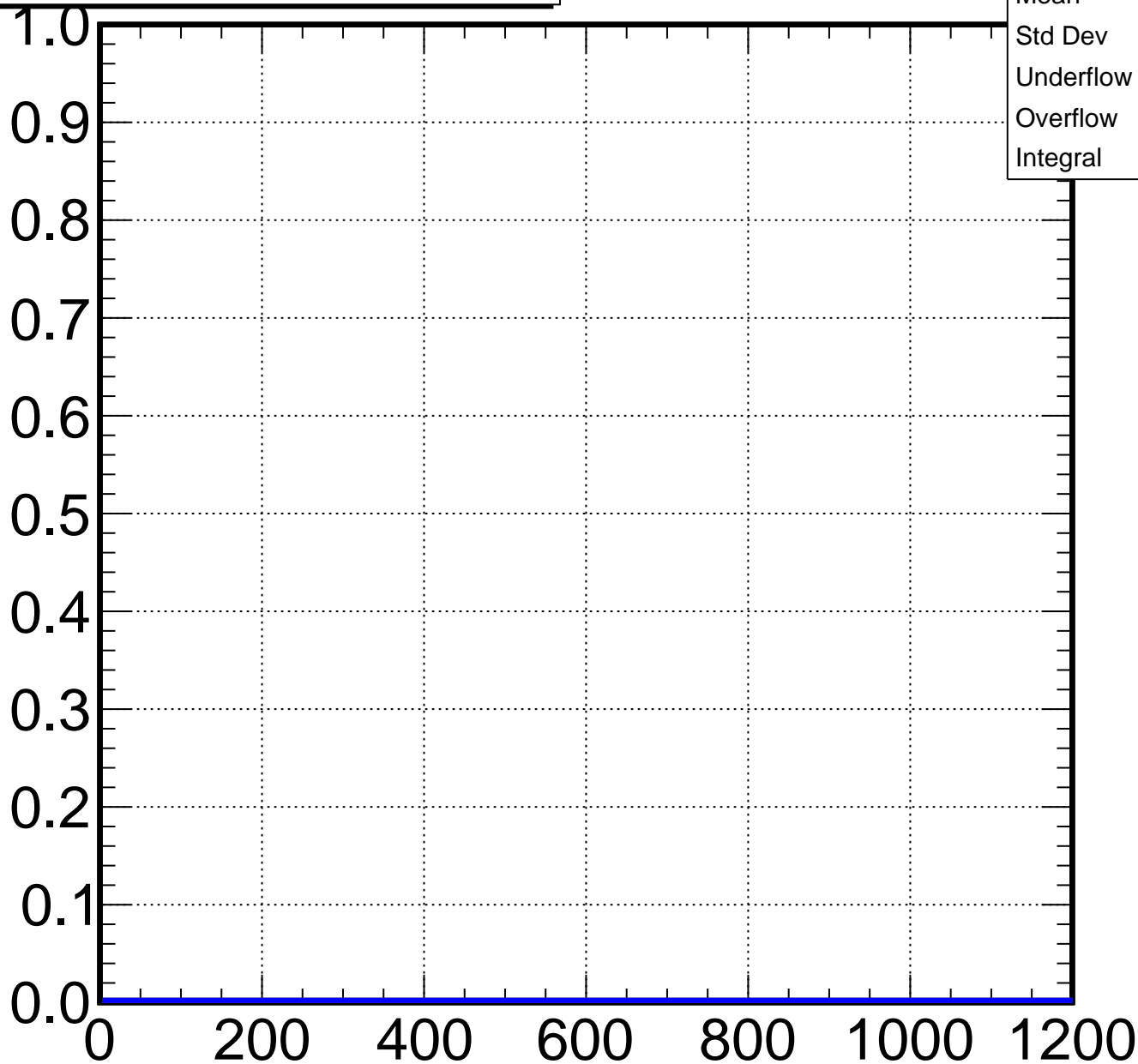


h_HA0PtWS_comparison



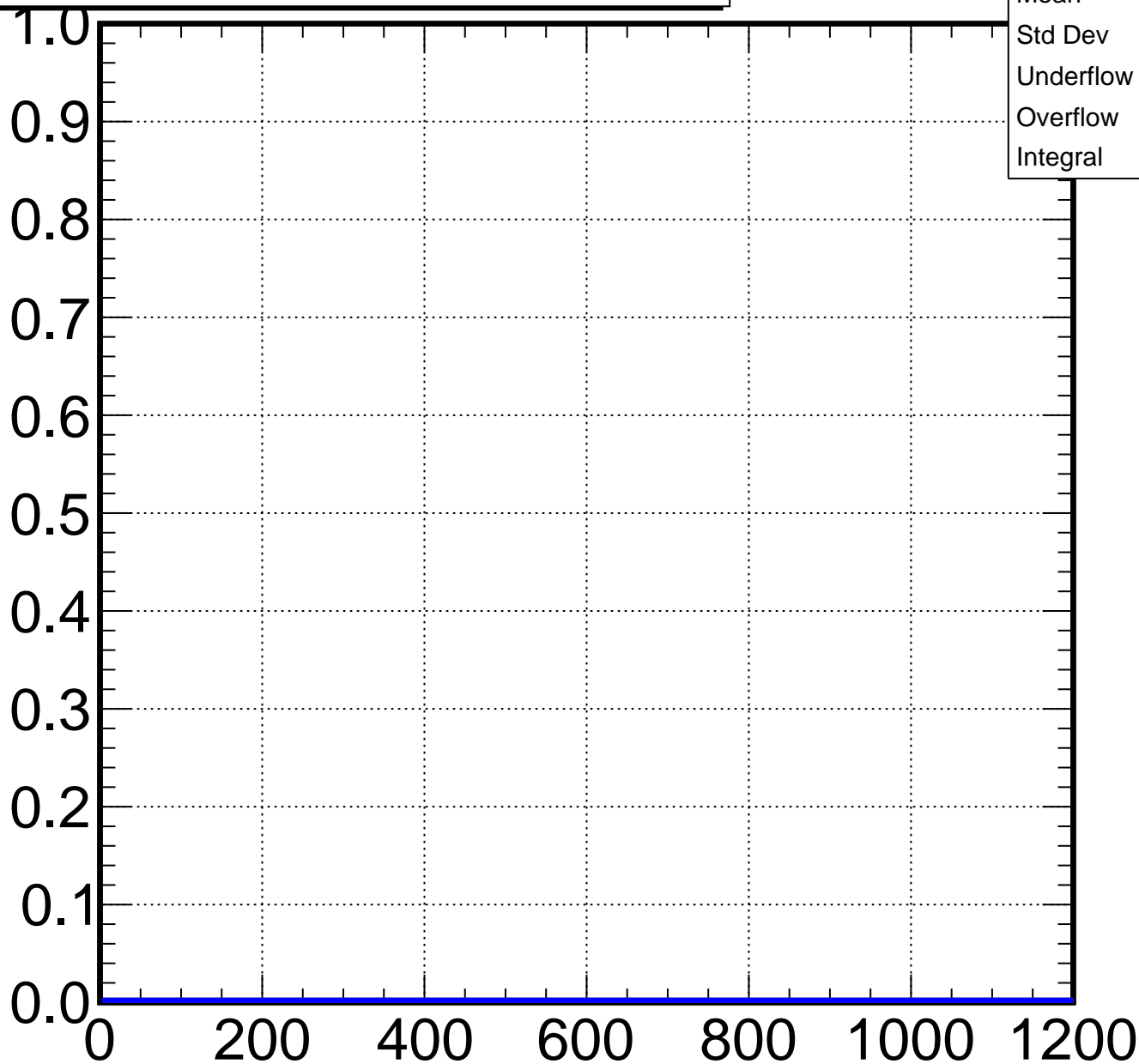
h_a0Pt_ws	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hPt_raw_WS_SW



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

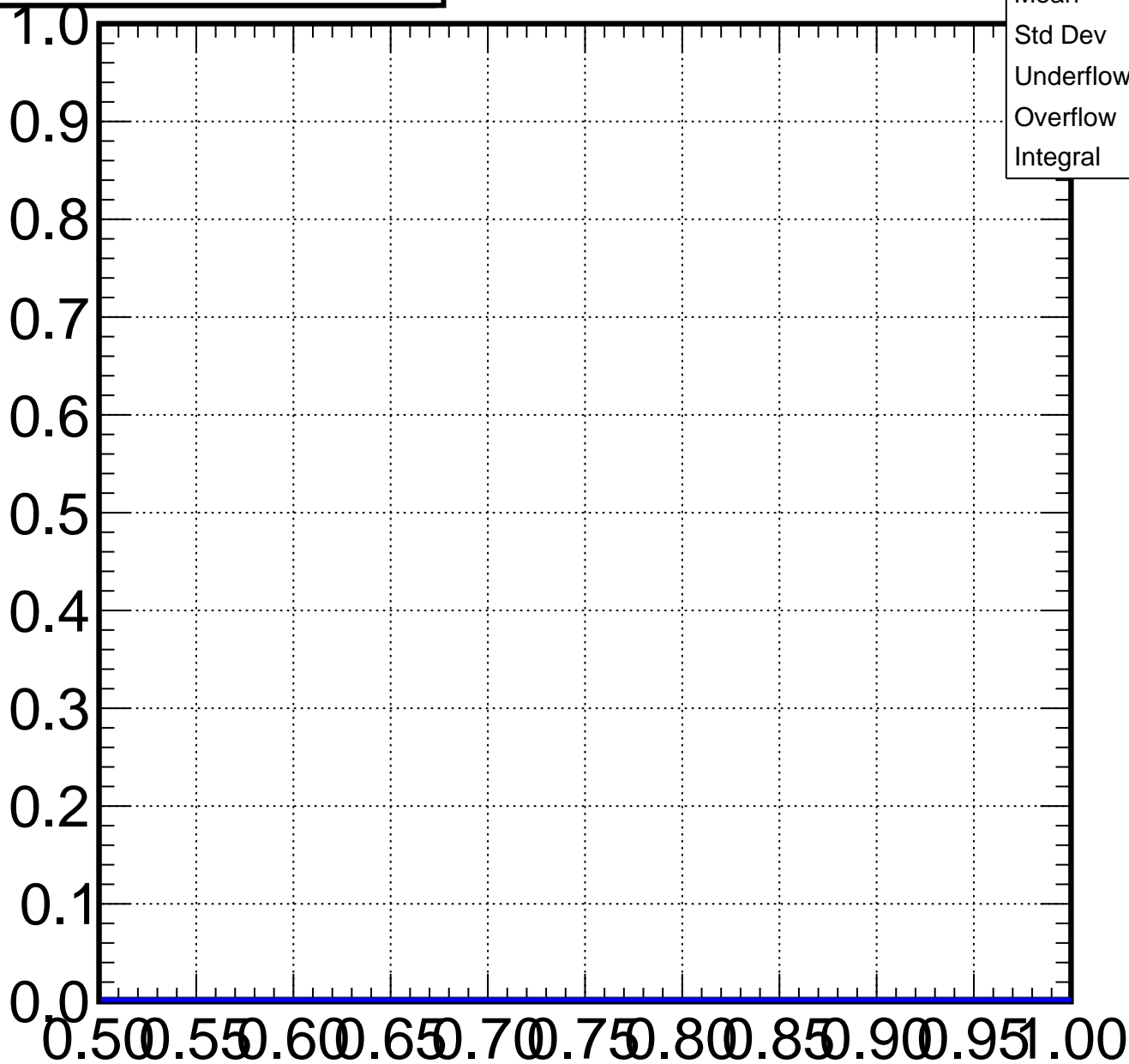
h_HA0rawPt_comparison



h_a0Pt

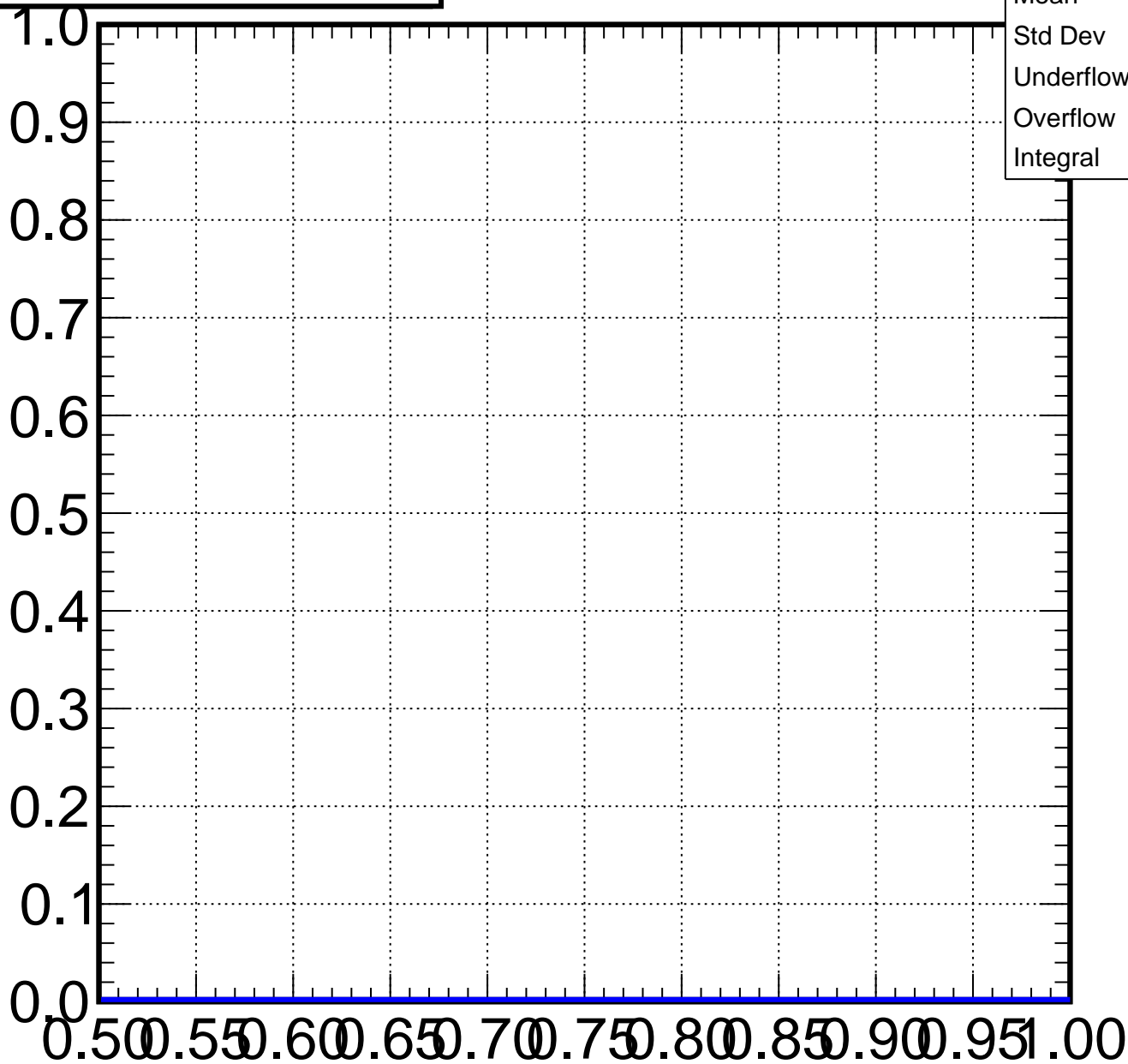
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hCISVV2_SW



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

h_hCISVV2_WS

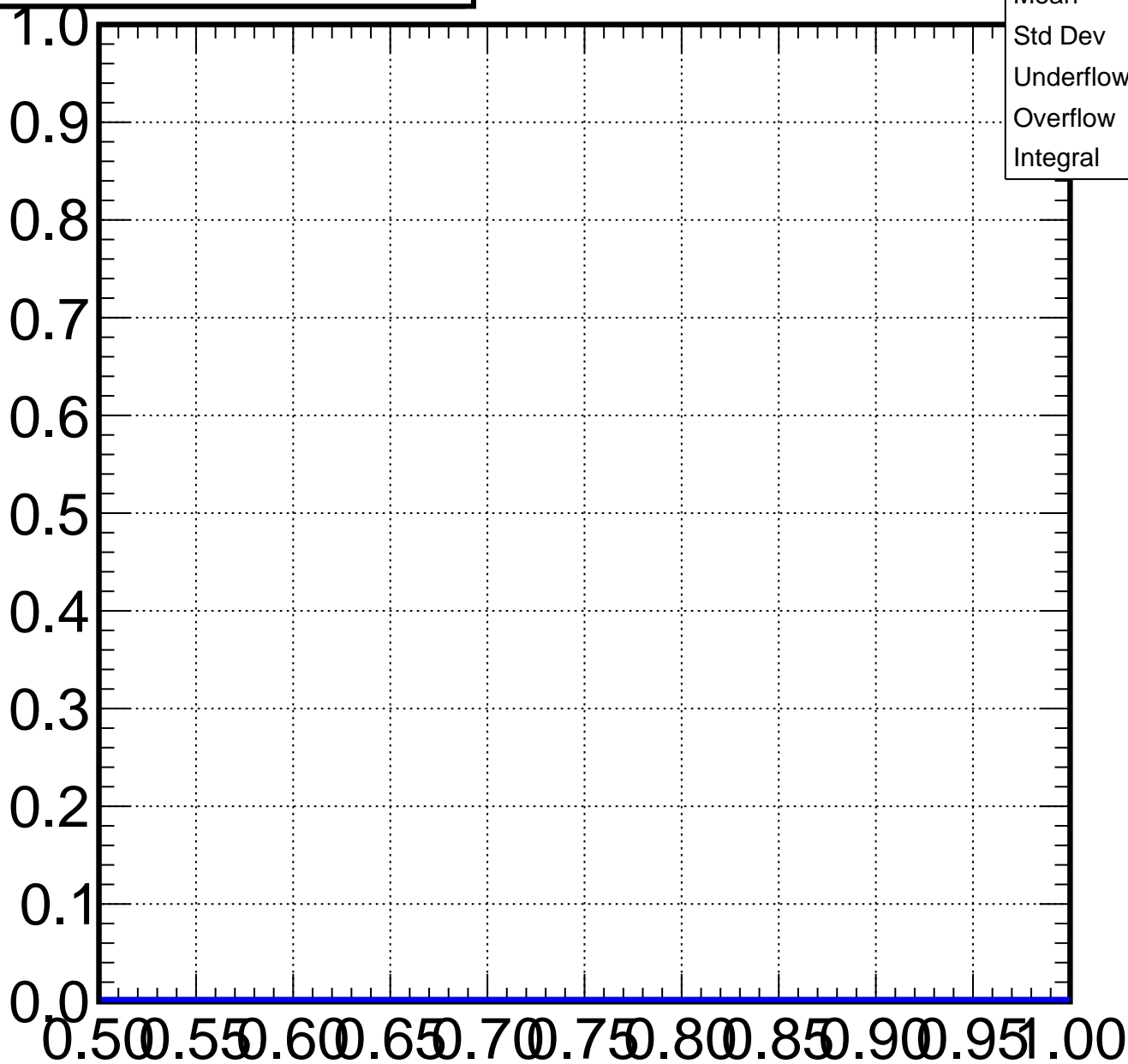


h_CISVV2_Hws_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

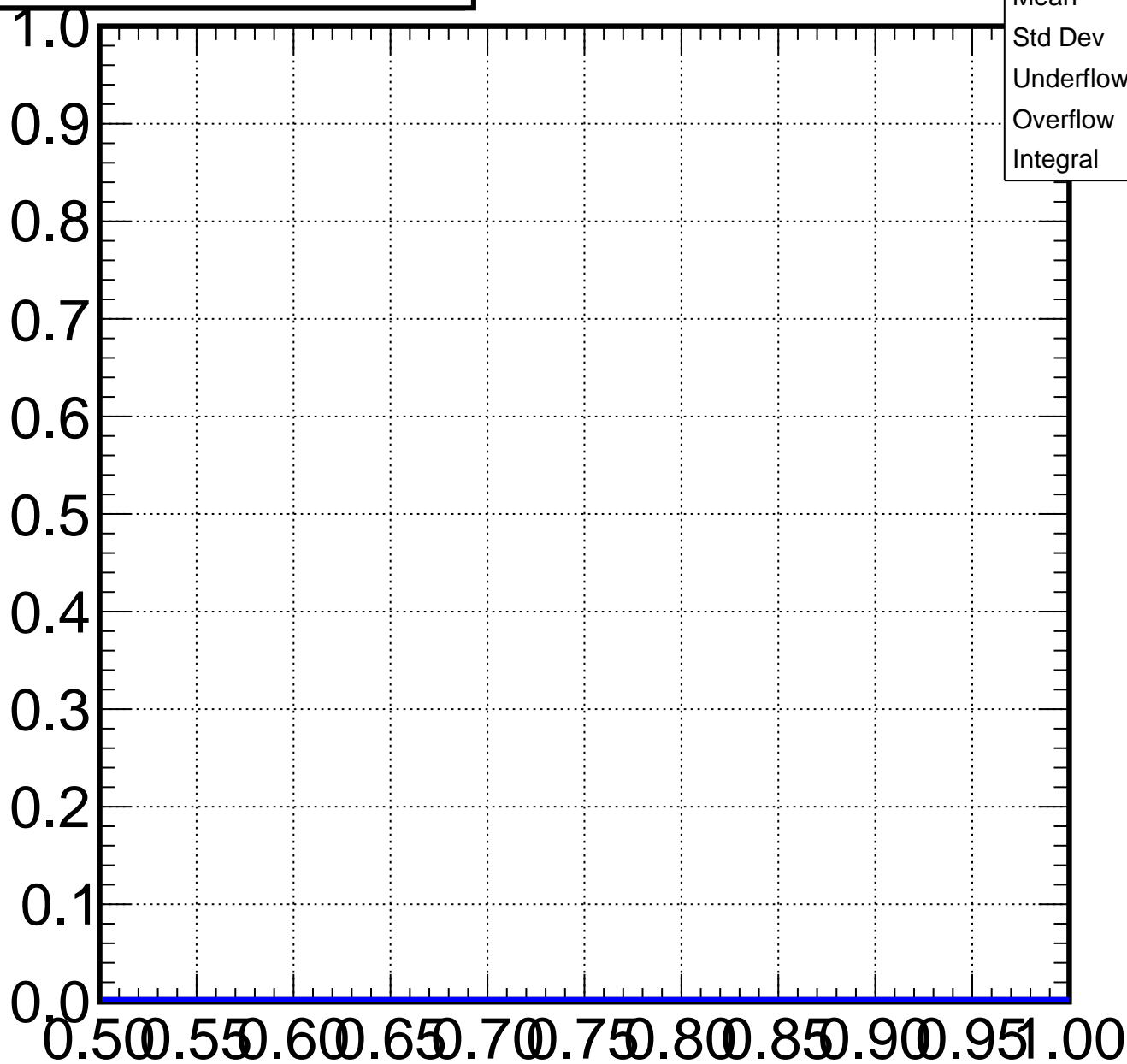
h_a0CISVV2_SW

h_CISVV2_A0sw_0

Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0



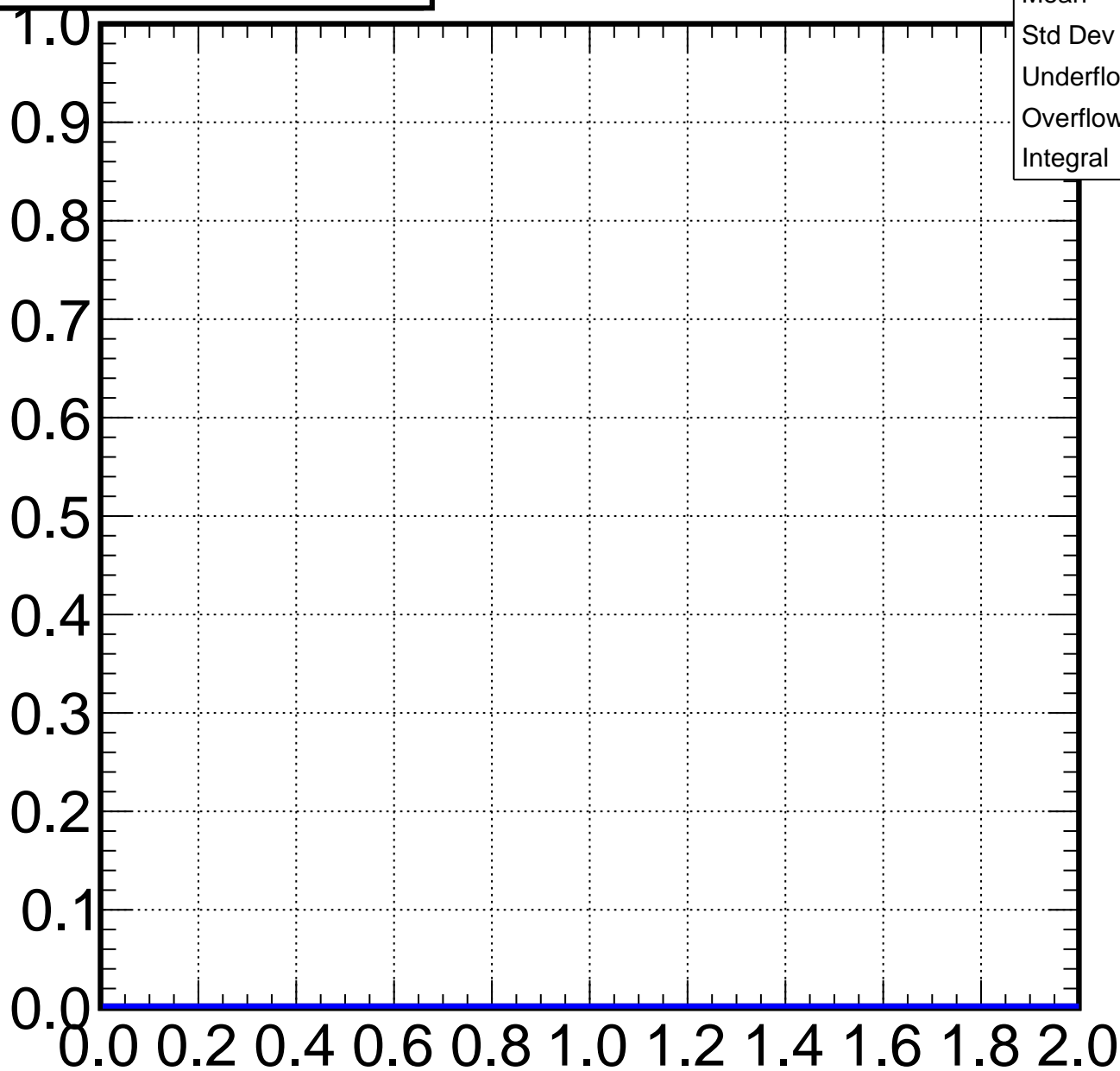
h_a0CISVV2_WS



h_CISVV2_A0ws_0

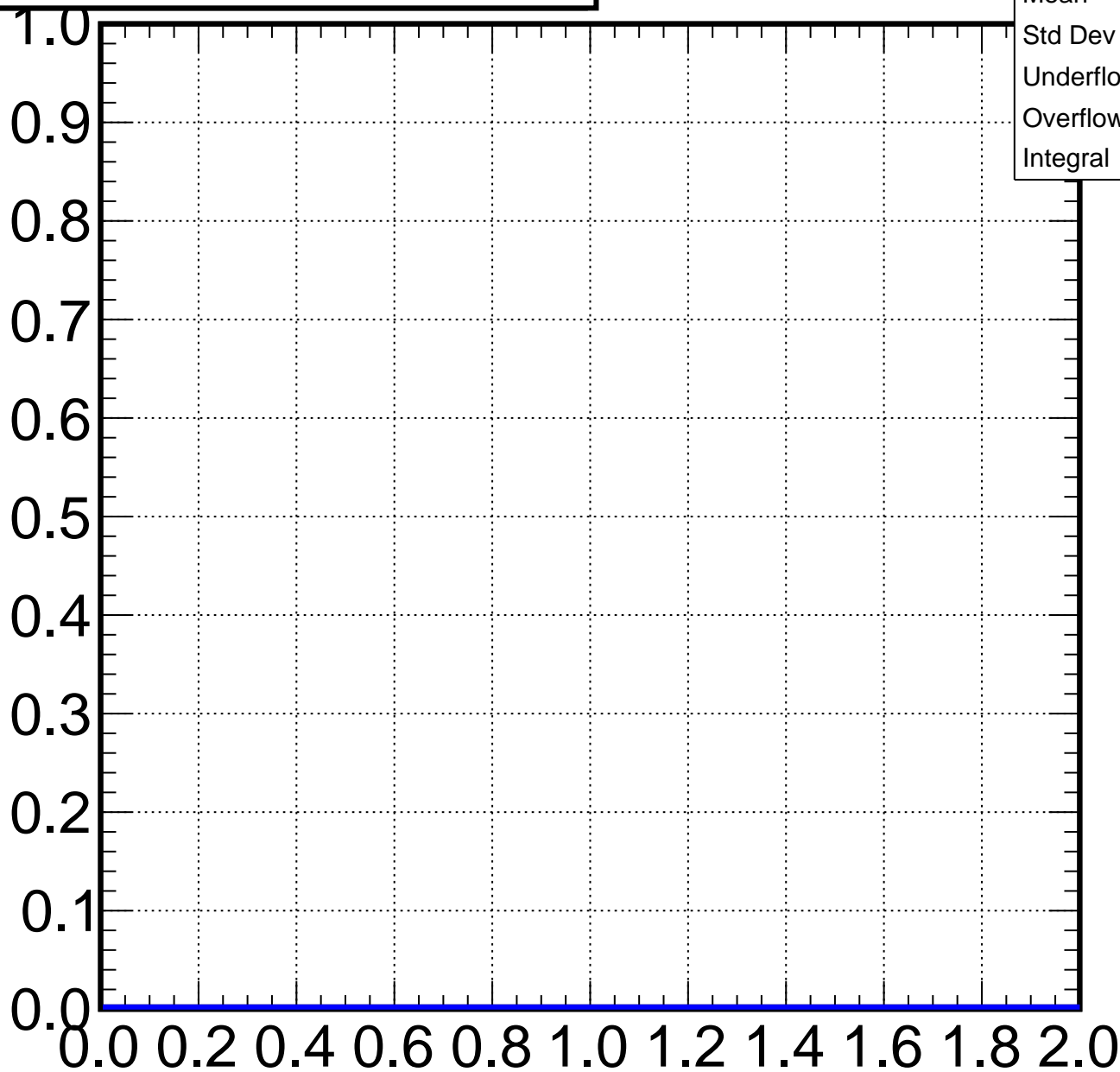
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_hWeight_SW



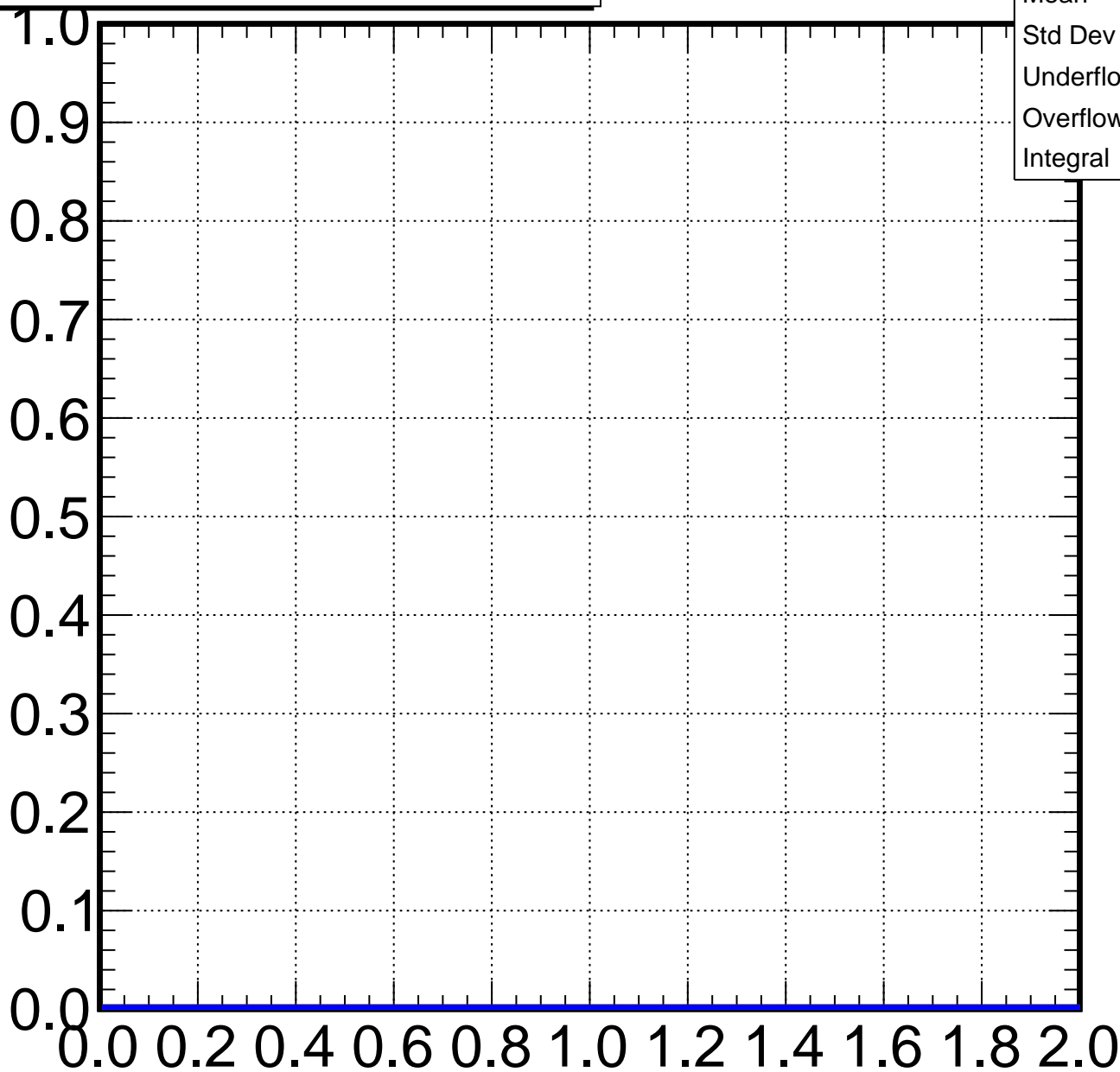
h_TMVAweightSW_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_TMVWeightWS_0

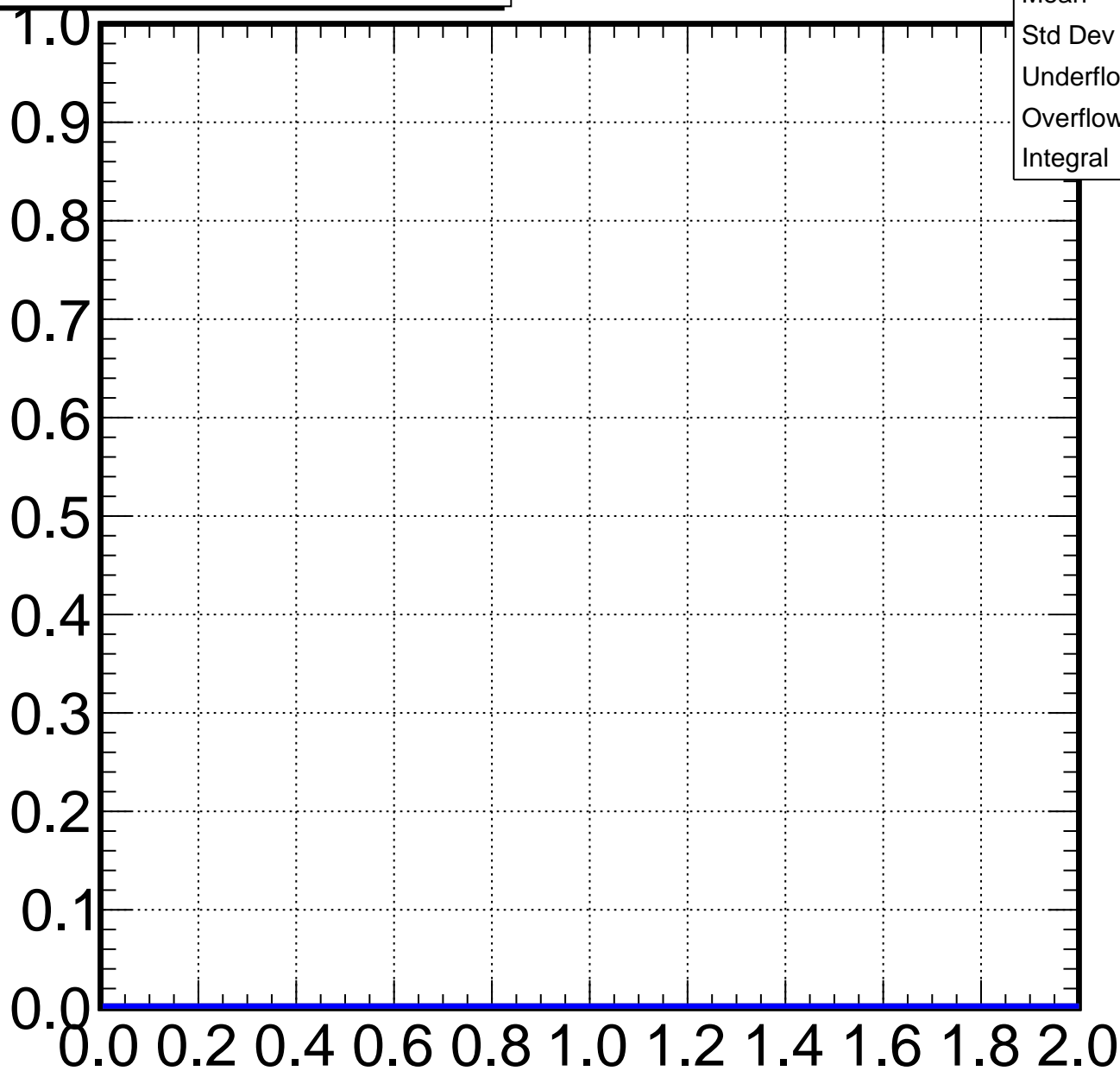


h_TMVWeightWS_0	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_higgsPtAssymetry

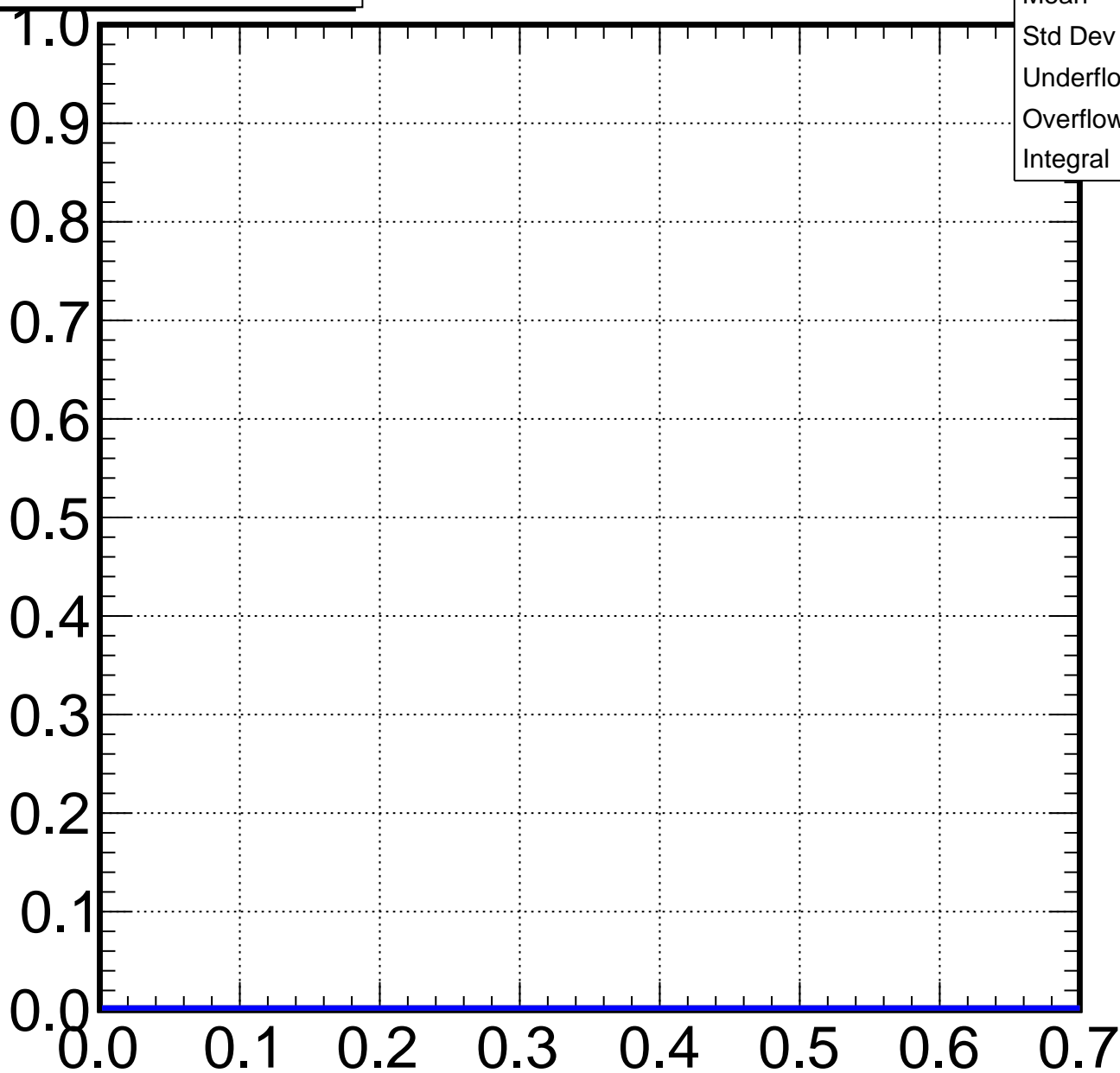


h_A0PtAssymetry



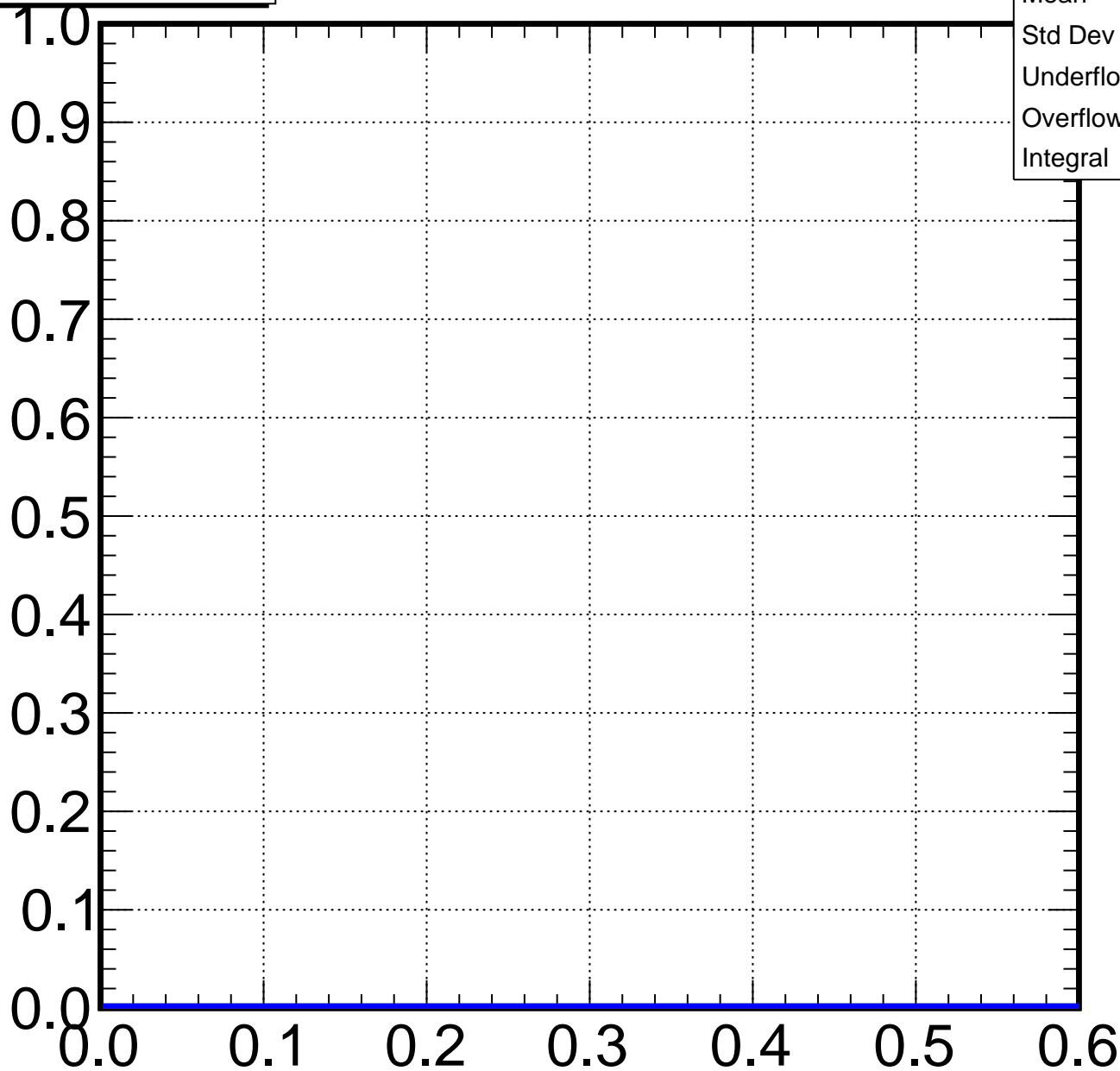
h_a0PtAs	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_higgsPtSD



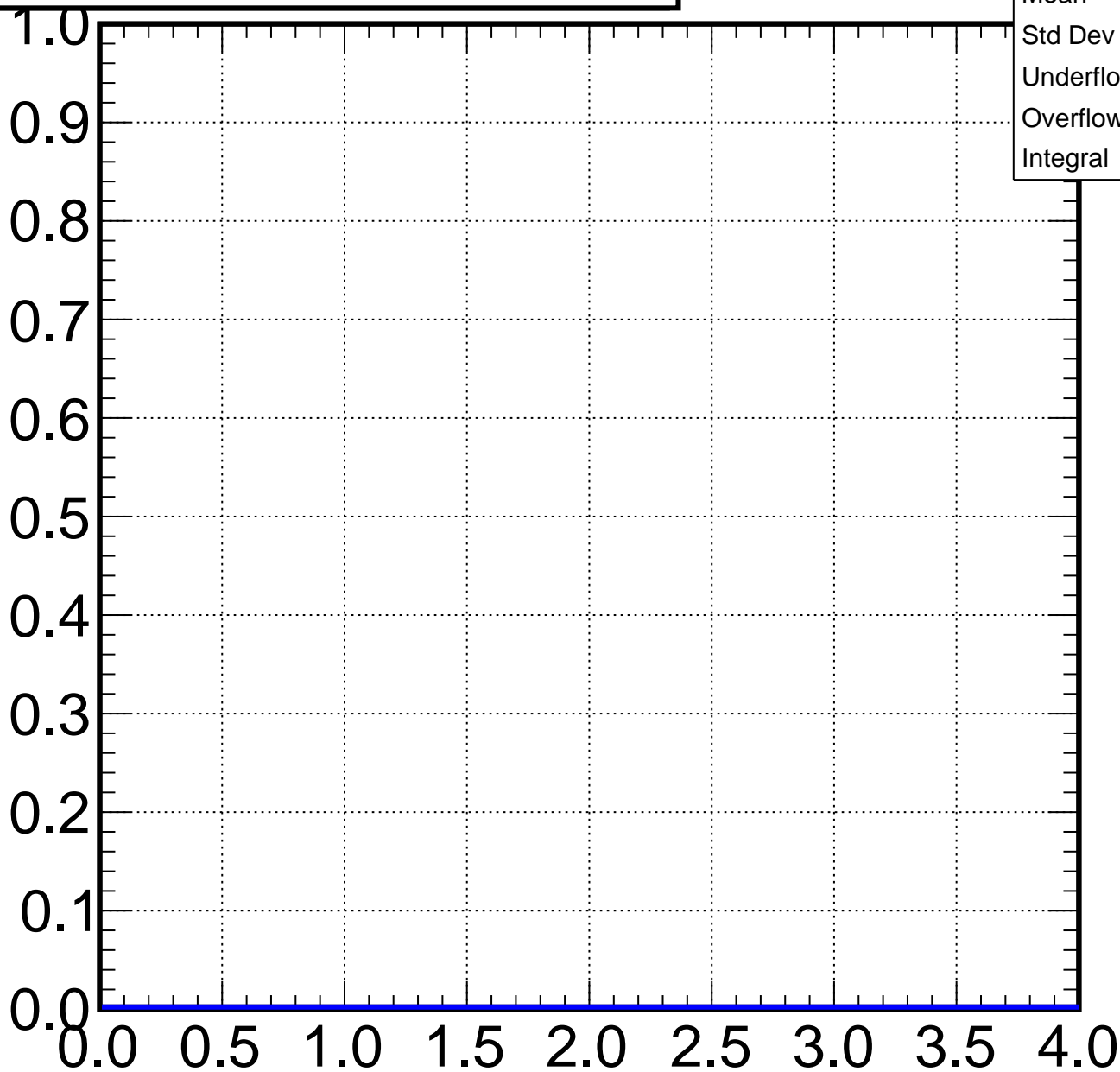
h_hPtSD	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0PtSD

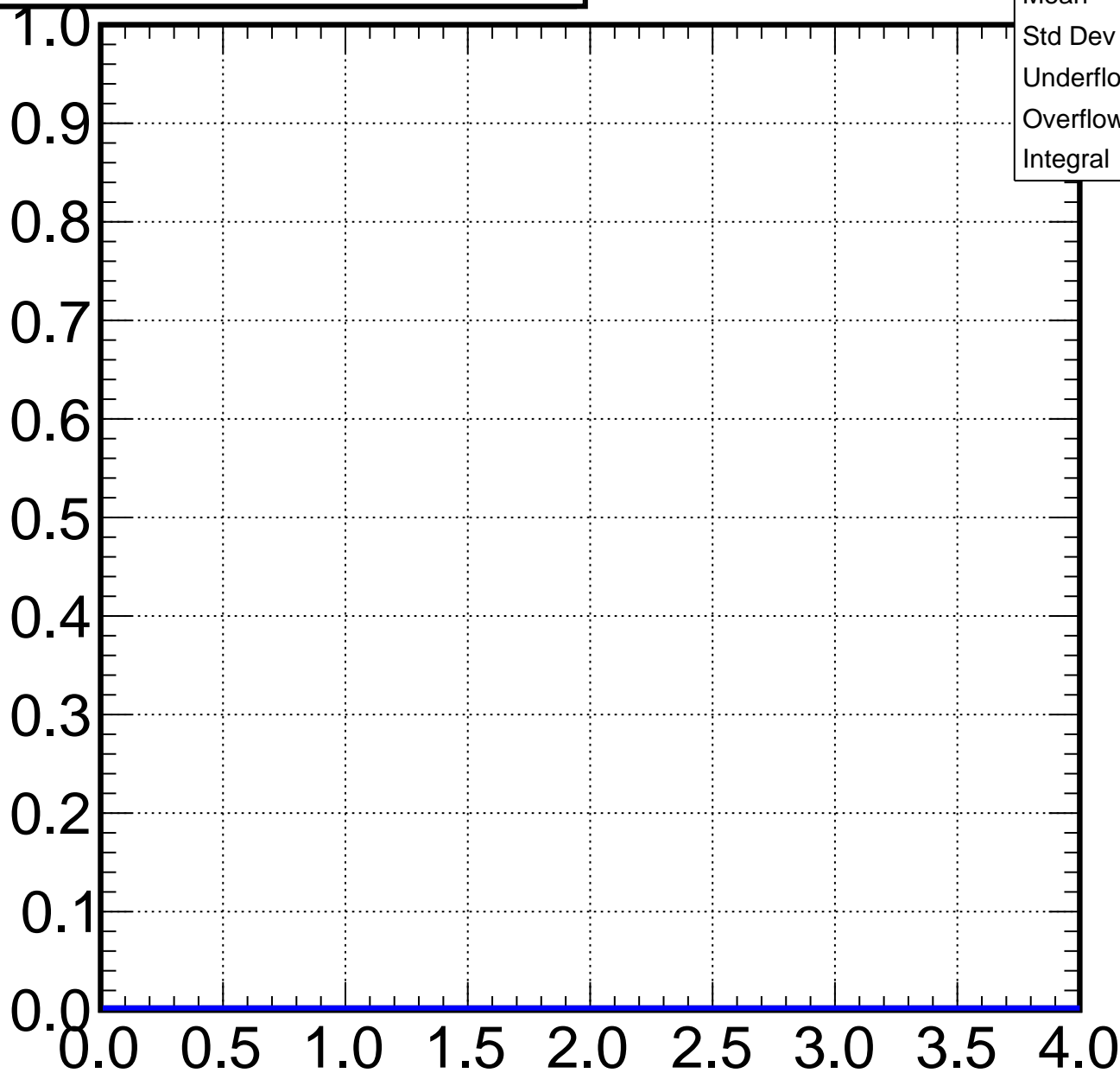


h_a0PtSD	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_HiggstobbDeltaR_sw

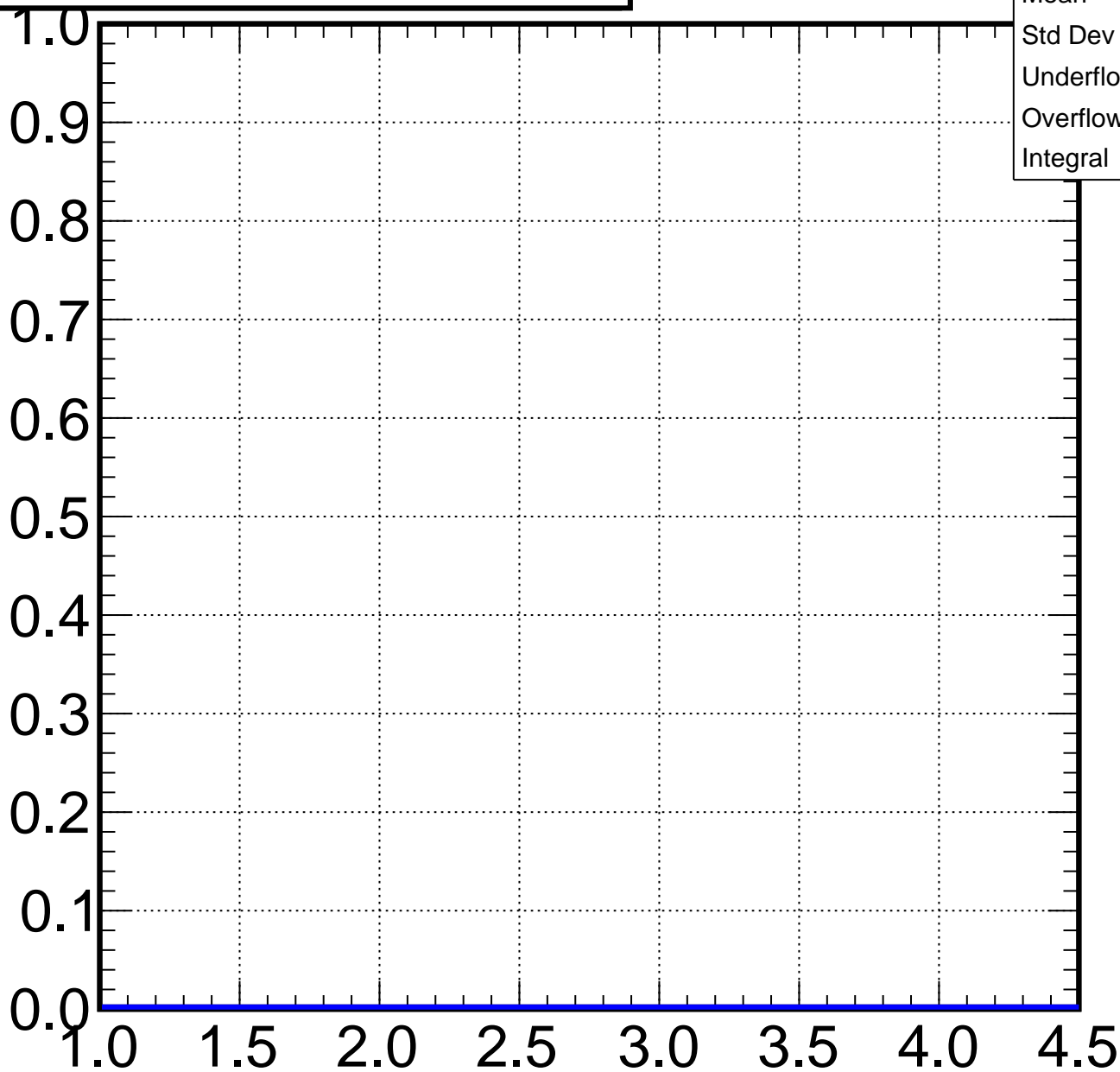


h_A0tobbDeltaR_sw



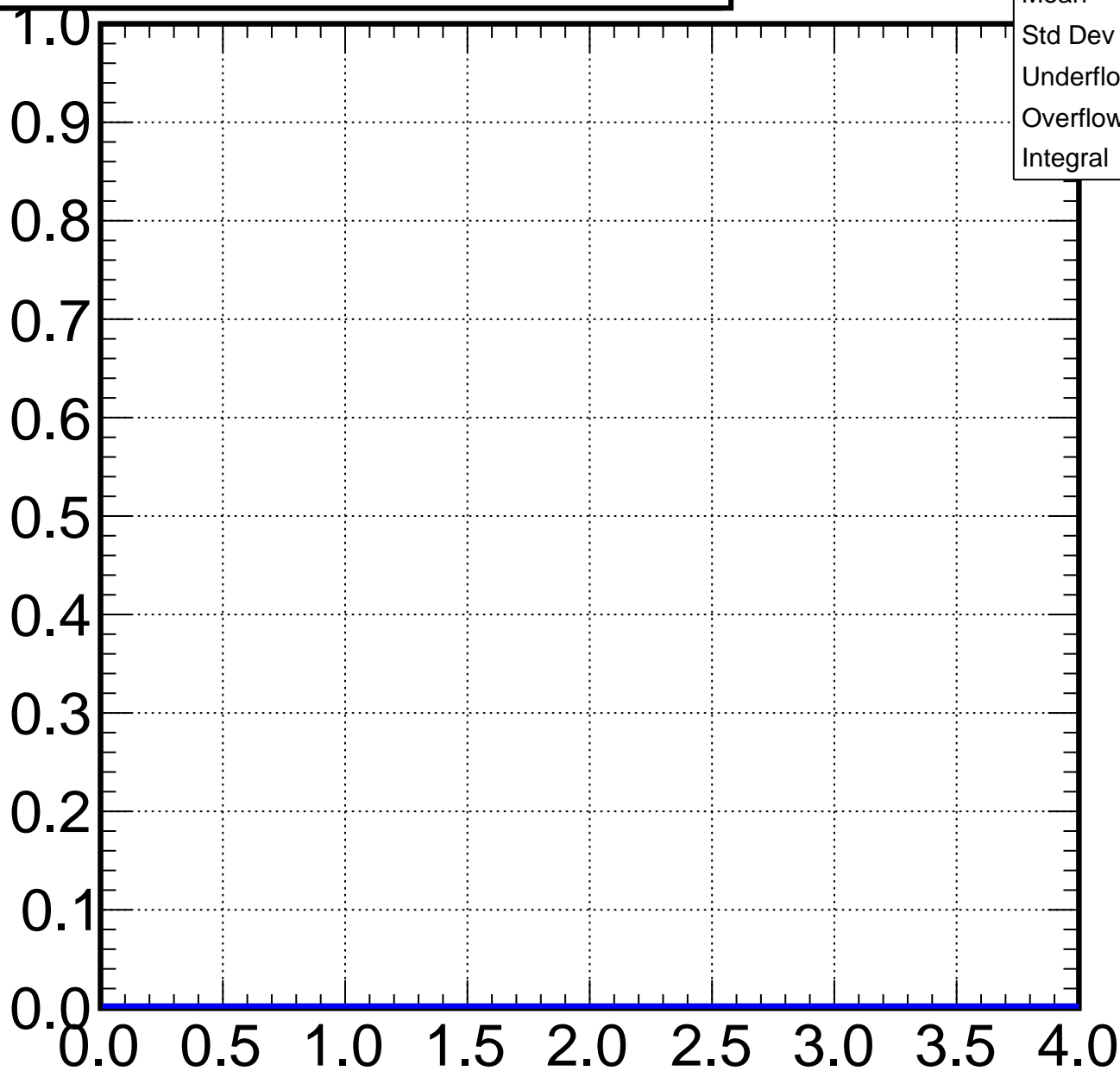
h_A0tobbDeltaR_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_ZptoHA0DeltaR_sw



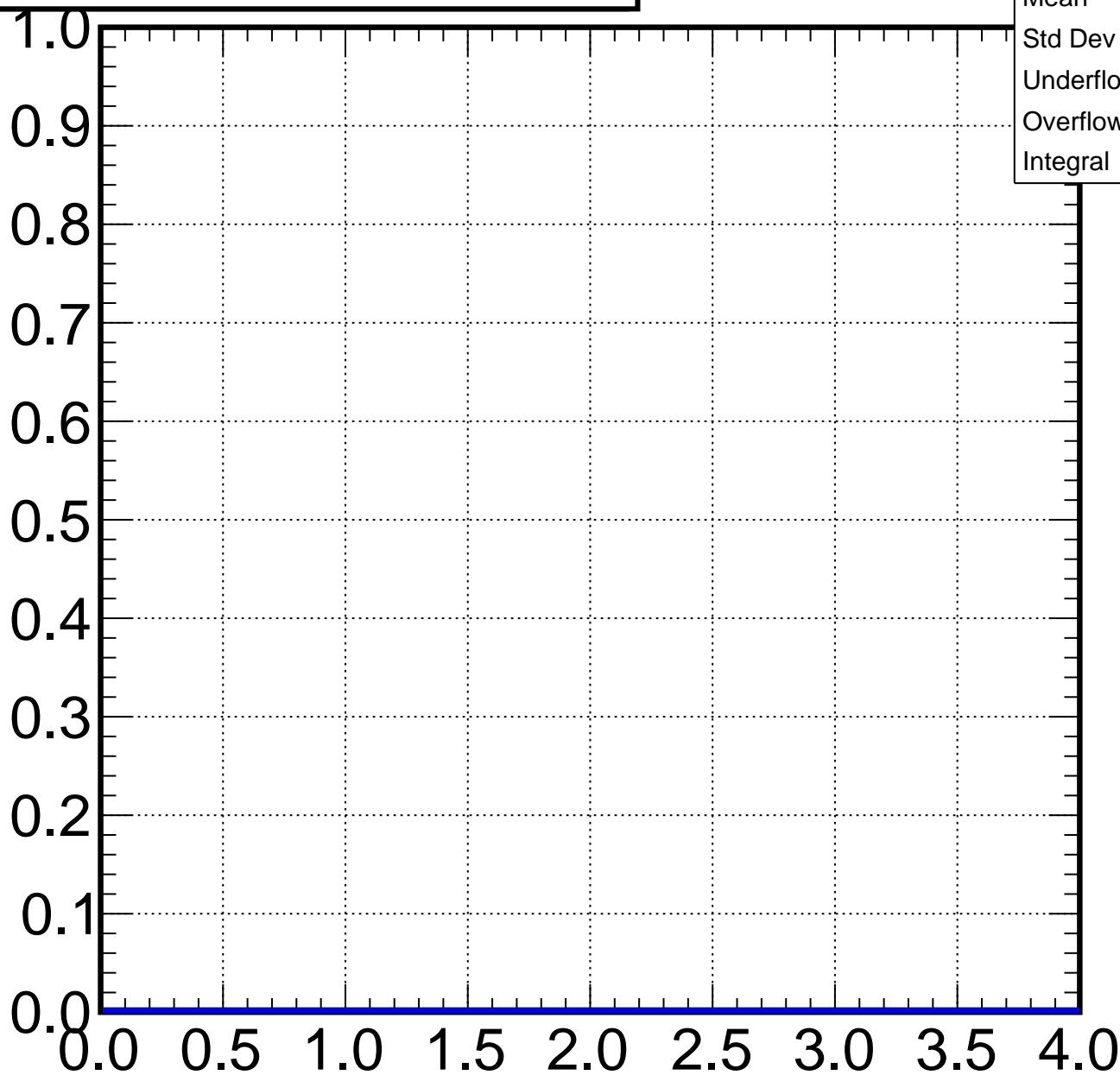
h_ZptoHA0DeltaR_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_HiggstobbDeltaEta_sw



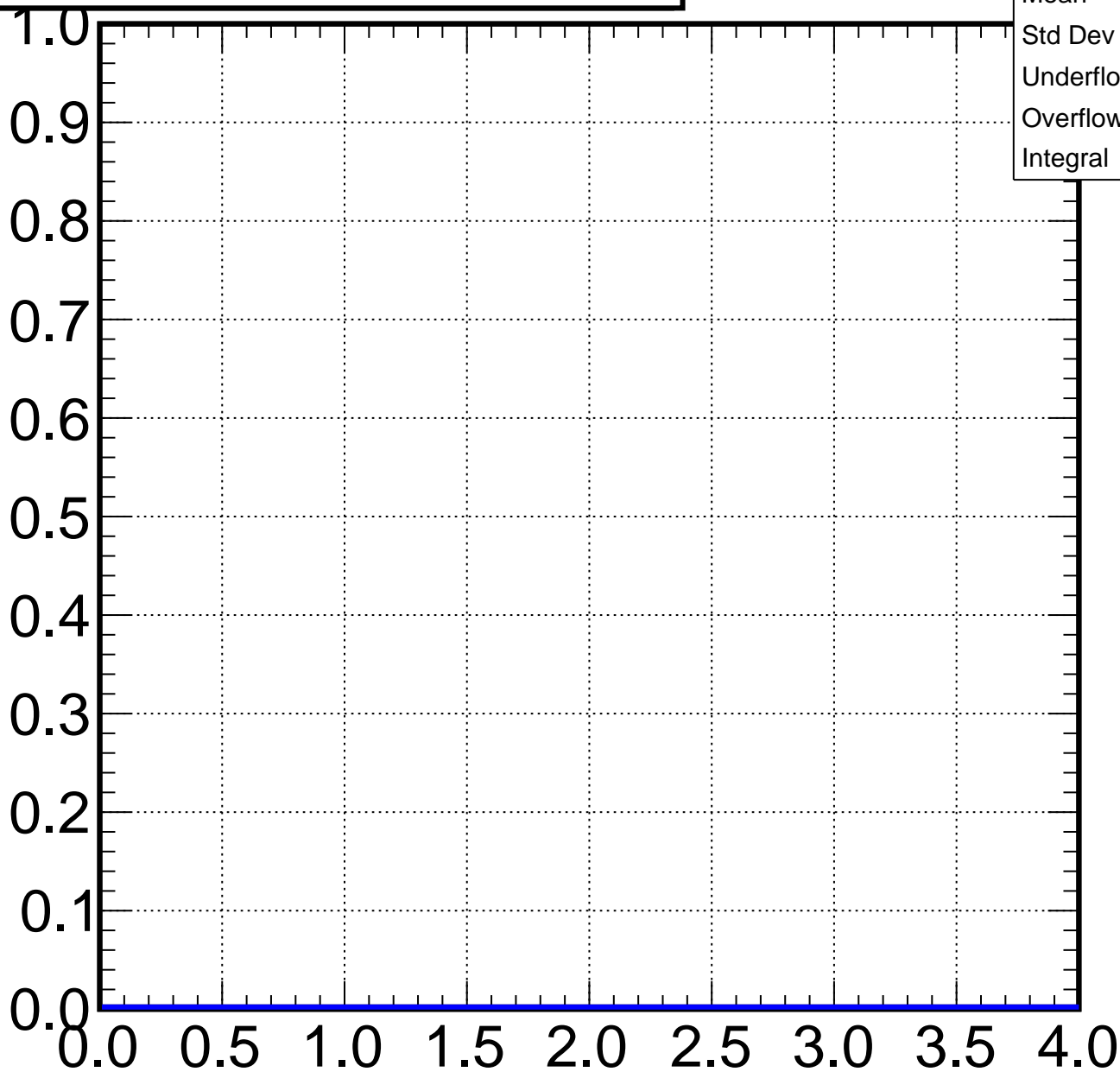
h_HiggstobbDeltaEta_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0tobbDeltaEta_sw

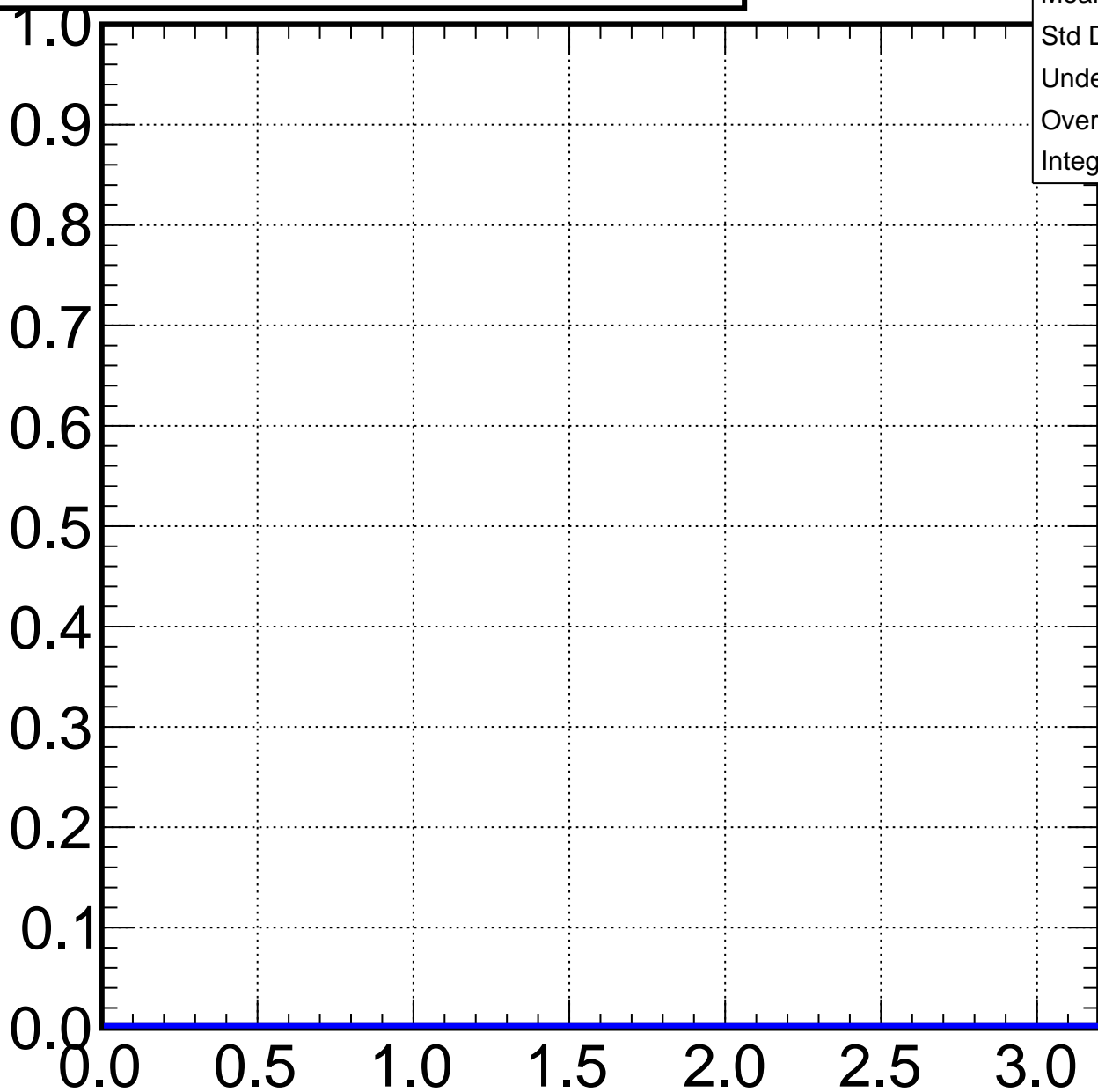


h_A0tobbDeltaEta_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_ZptoHA0DeltaEta_sw

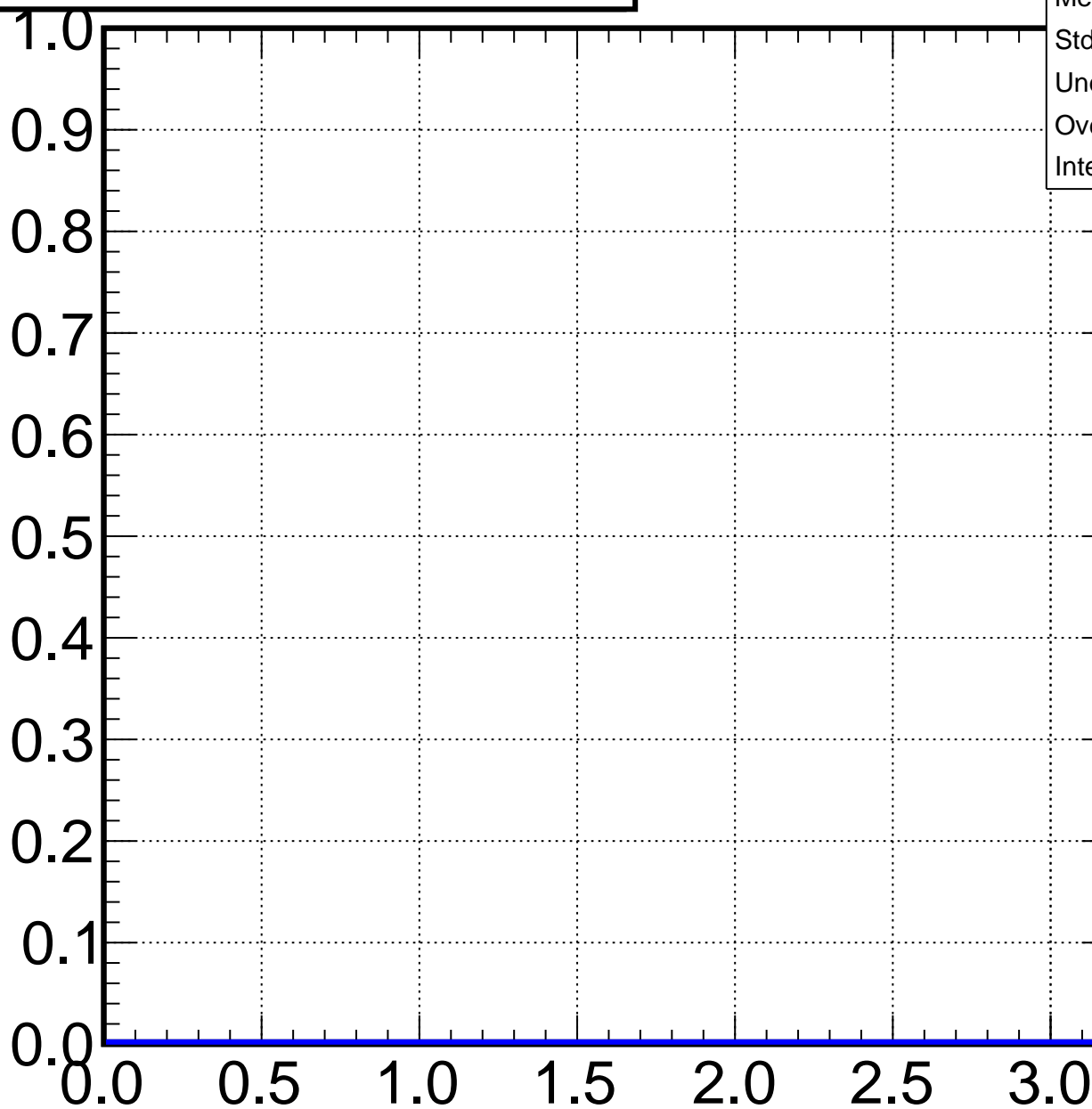


h_HiggstobbDeltaPhi_sw



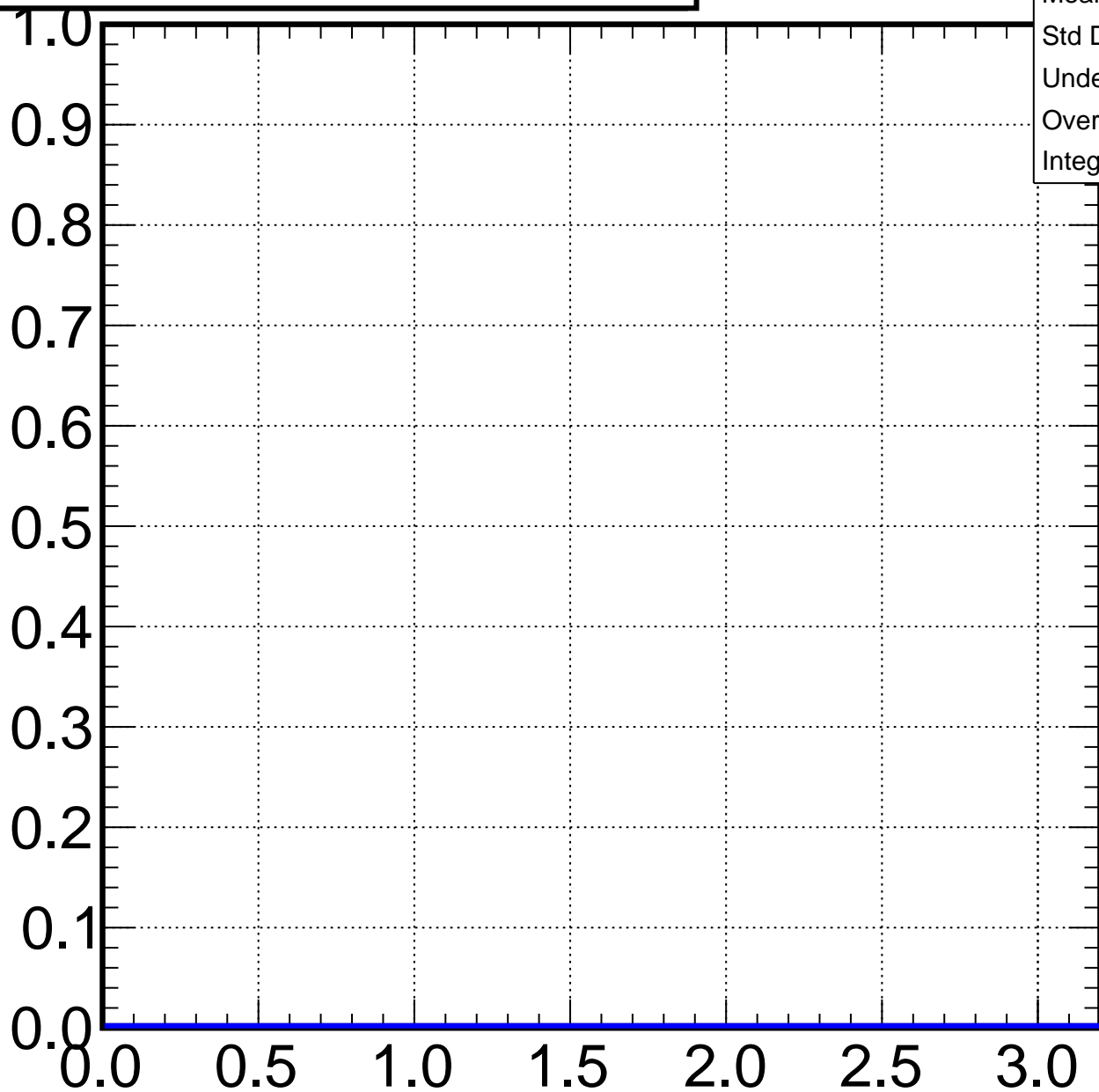
h_HiggstobbDeltaPhi_sw	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_A0obbDeltaPhi_sw



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

h_ZptoHA0DeltaPhi_sw

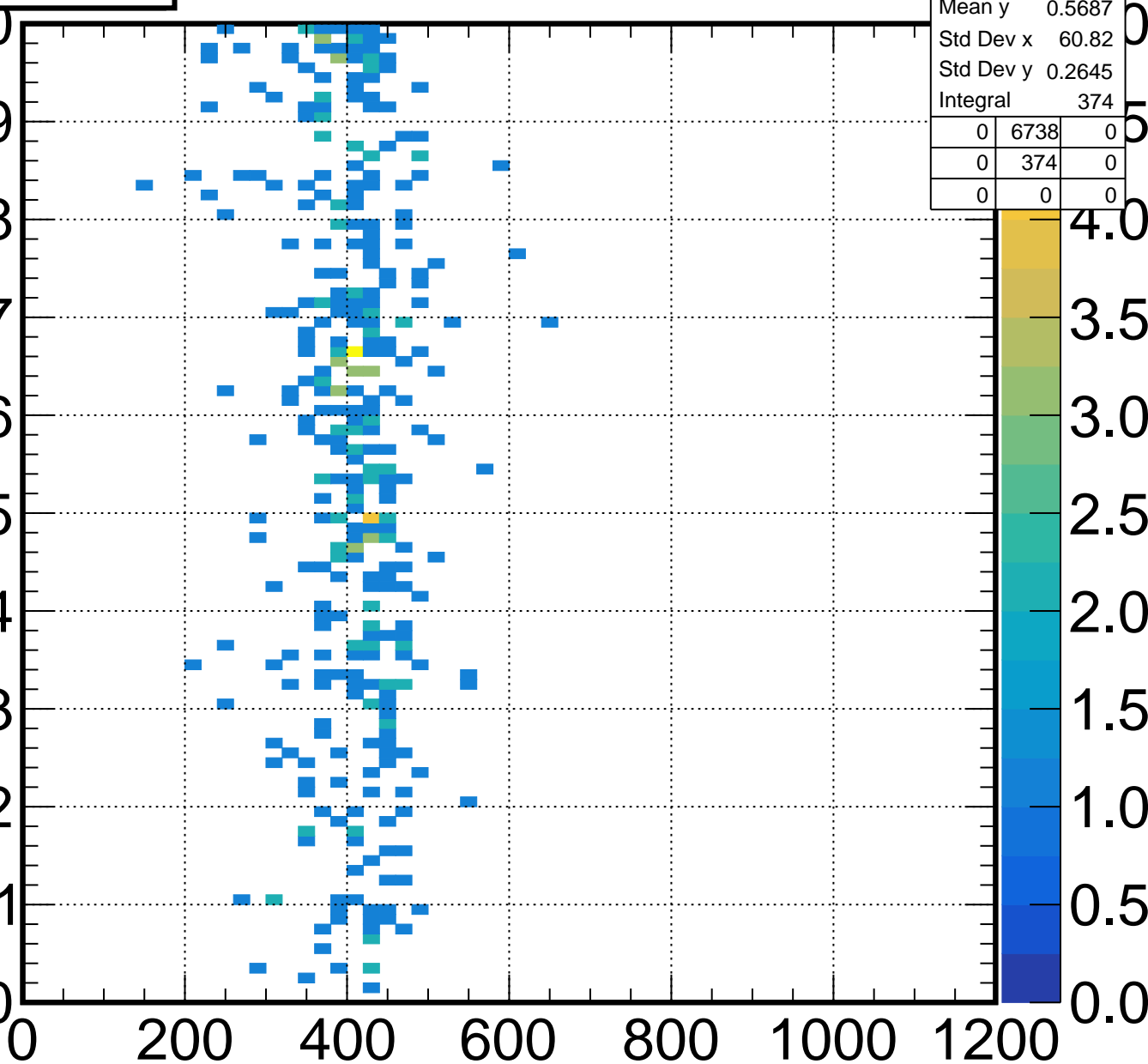


h_ZptoHA0DeltaPhi_sw

Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

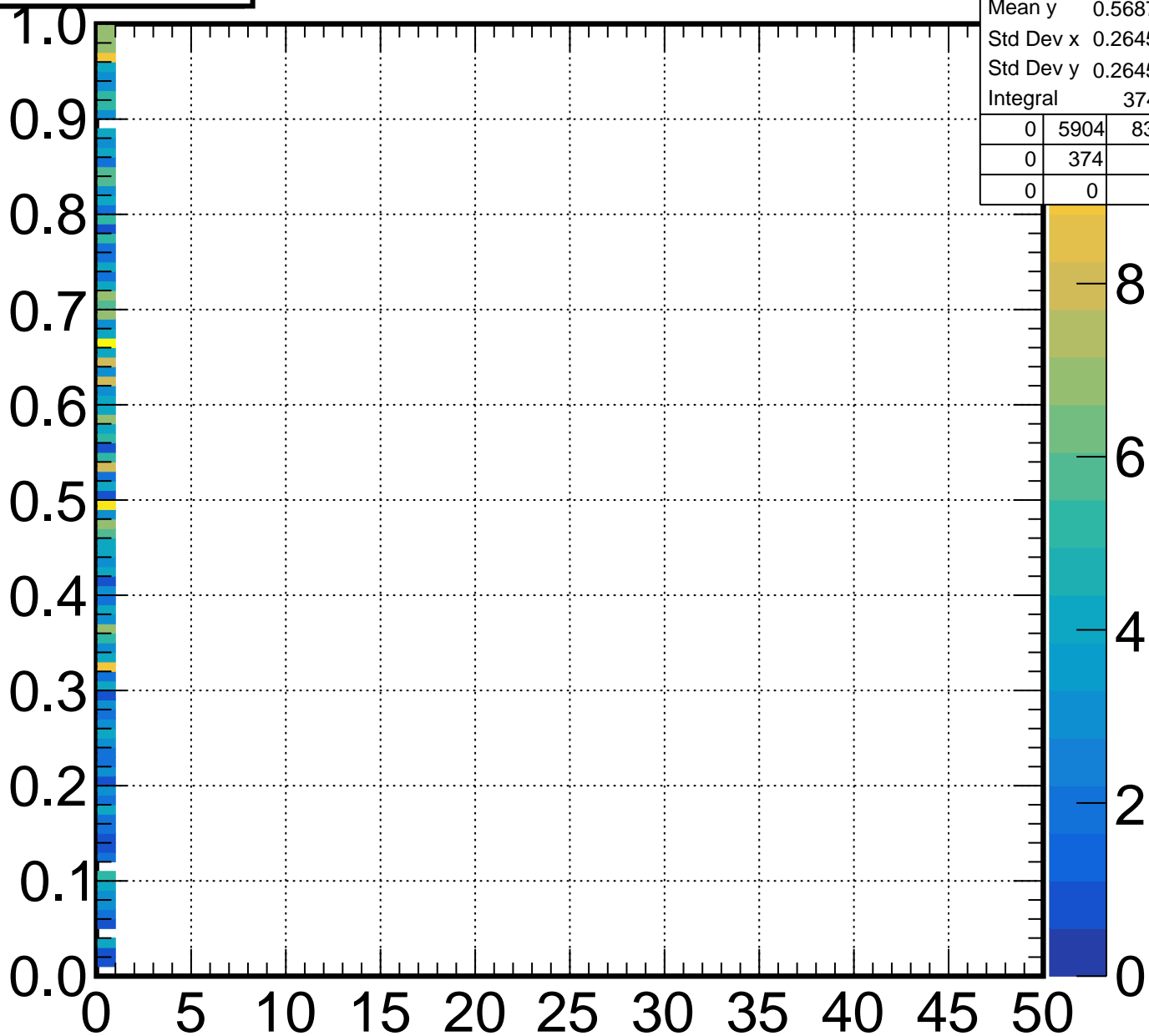
h_2d_hpt

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

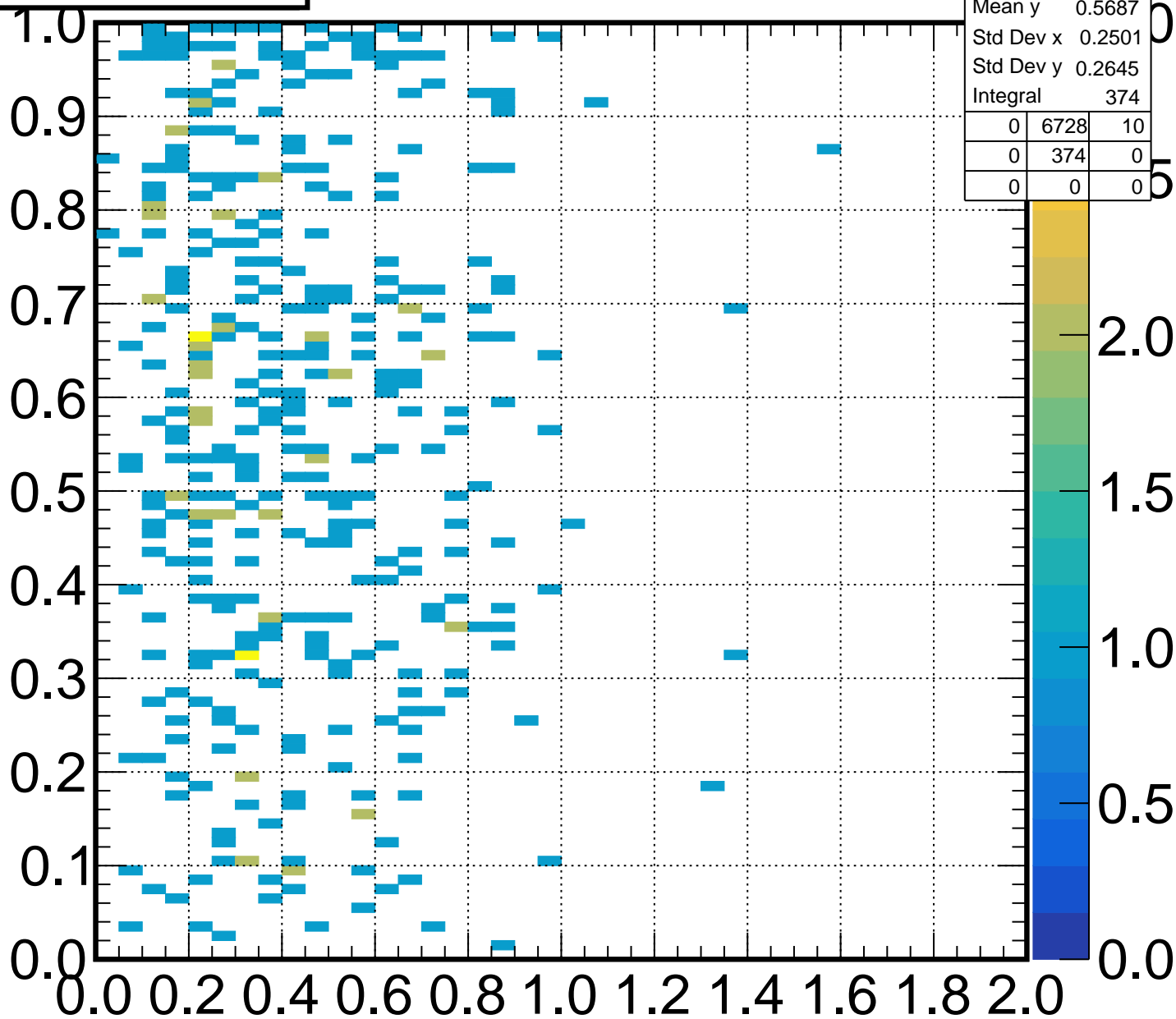


h_2d_hpt		
Mean x	406.9	
Mean y	0.5687	
Std Dev x	60.82	
Std Dev y	0.2645	
Integral	374	
0	6738	0
0	374	0
0	0	0

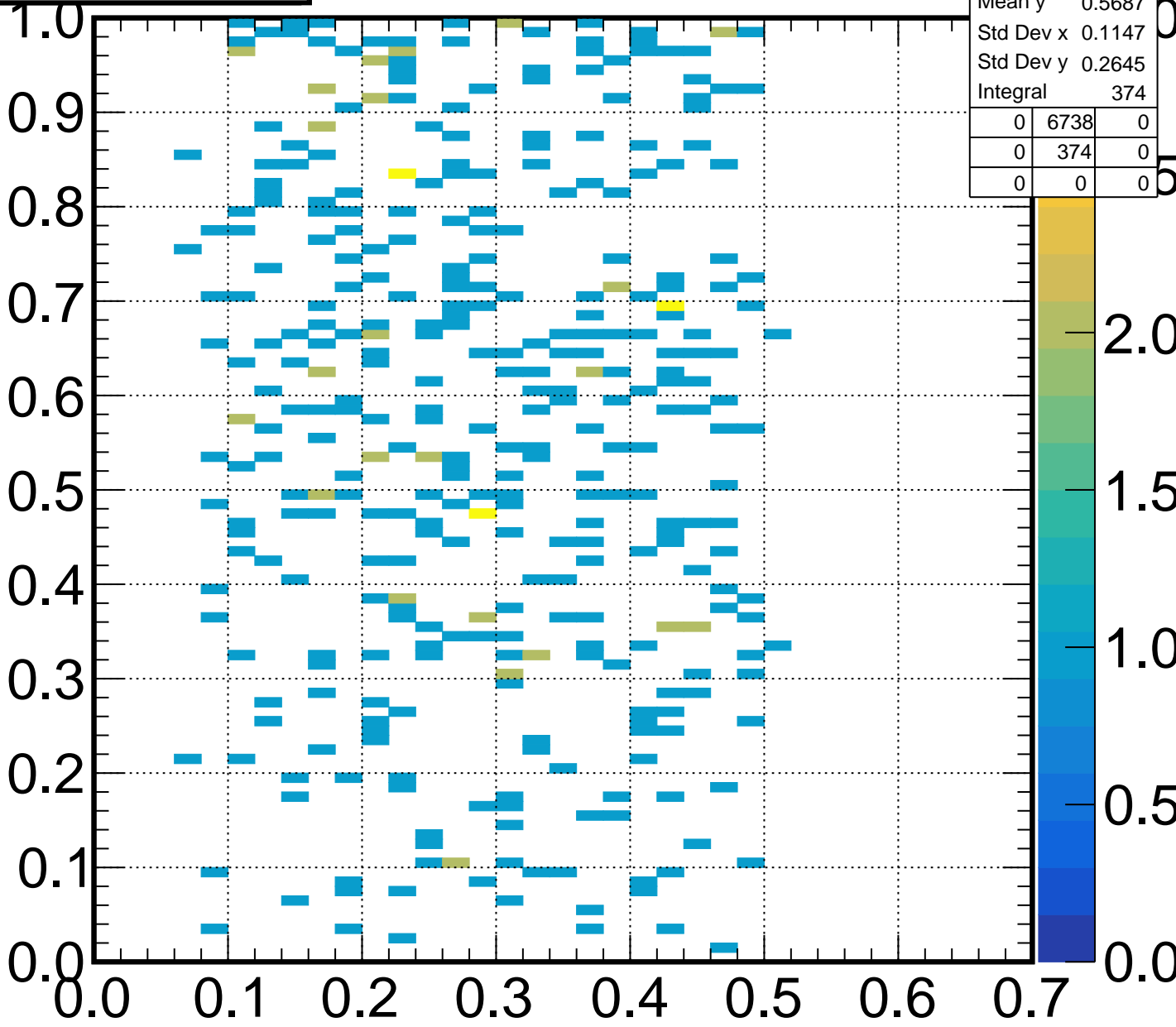
h_2d_hx2



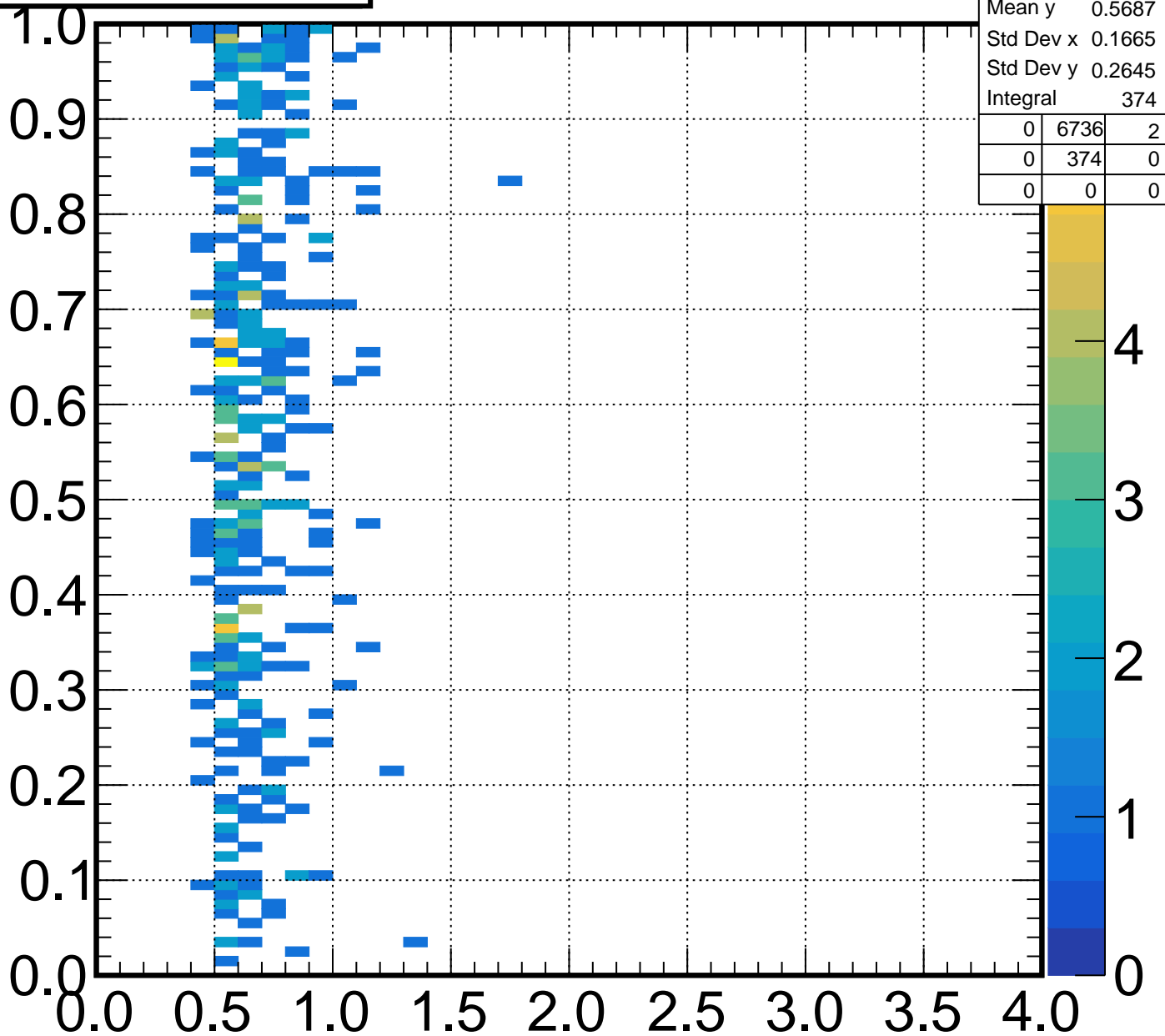
h_2d_hptas



h_2d_hptsd

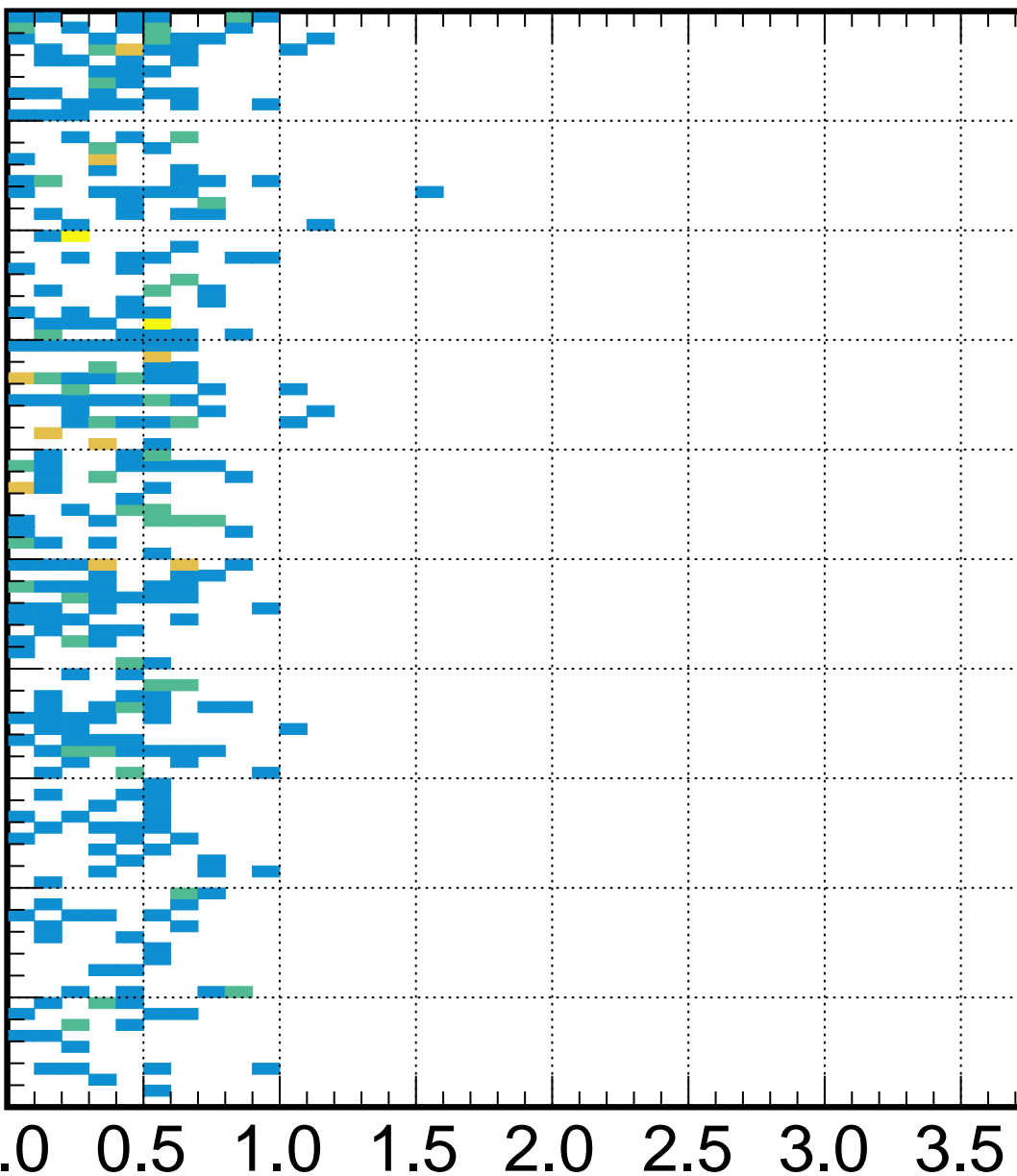


h_2d_hdeltaR



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

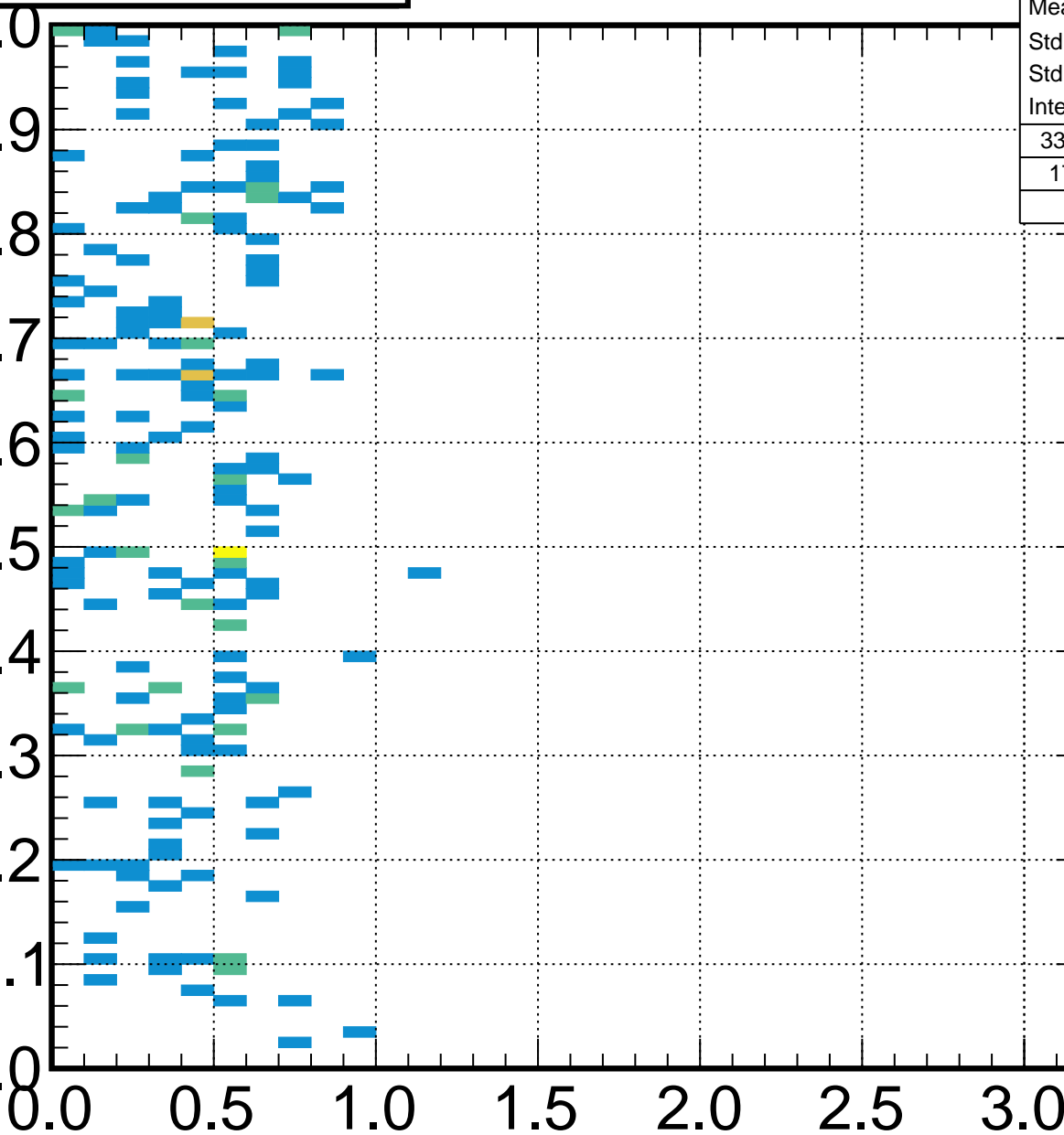


h_2d_hdeltaEta		
Mean x	0.4268	
Mean y	0.5687	
Std Dev x	0.254	
Std Dev y	0.2645	
Integral	374	
0	6738	0
0	374	0
0	0	0

3.0
2.5
2.0
1.5
1.0
0.5
0.0

h_2d_hdeltaPhi

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0



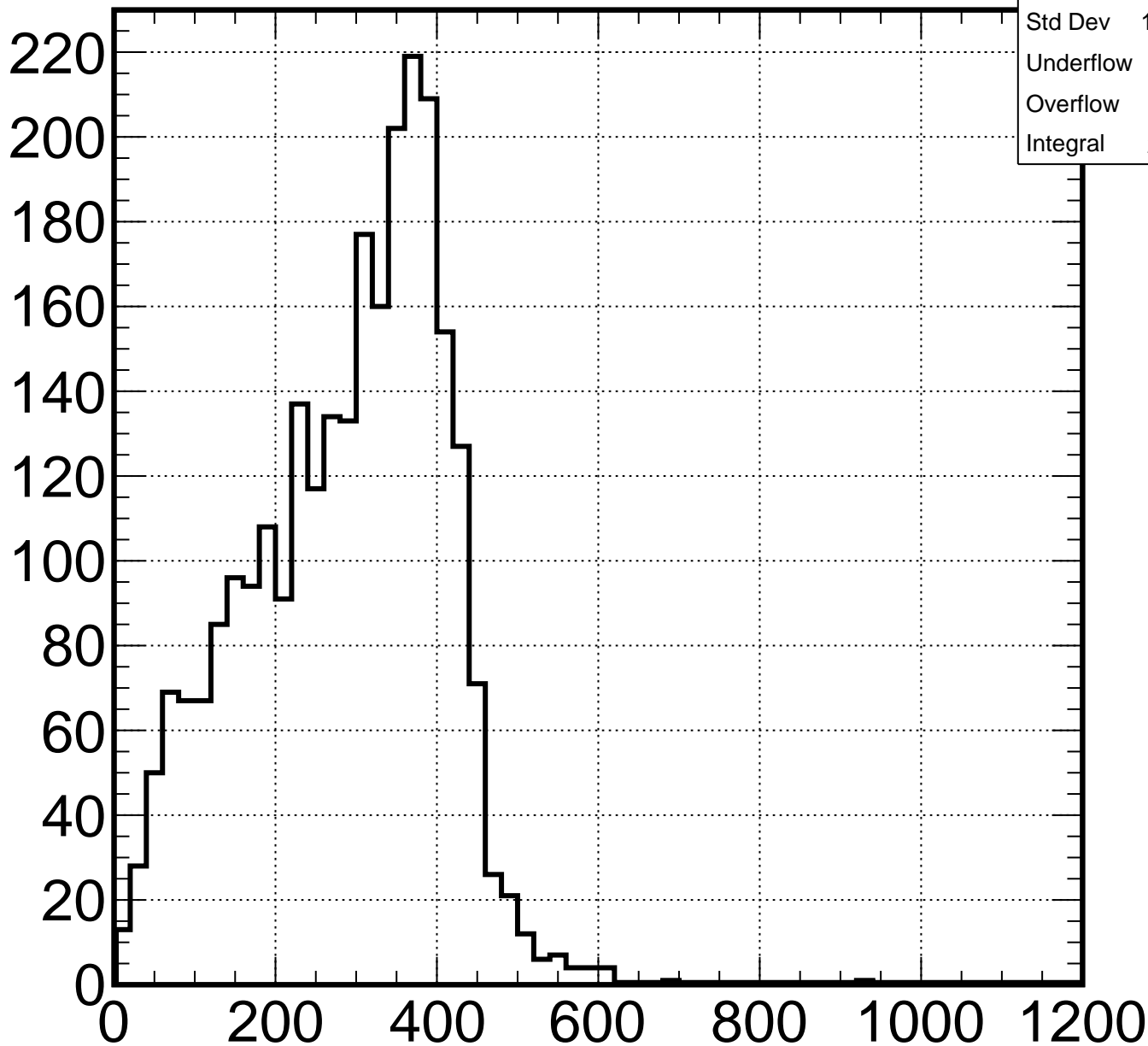
h_2d_hdeltaPhi		
Mean x	0.4264	
Mean y	0.5605	
Std Dev x	0.2287	
Std Dev y	0.2594	
Integral	196	
3376	3362	0
178	196	0
0	0	0

3.0
2.5
2.0
1.5
1.0
0.5
0.0

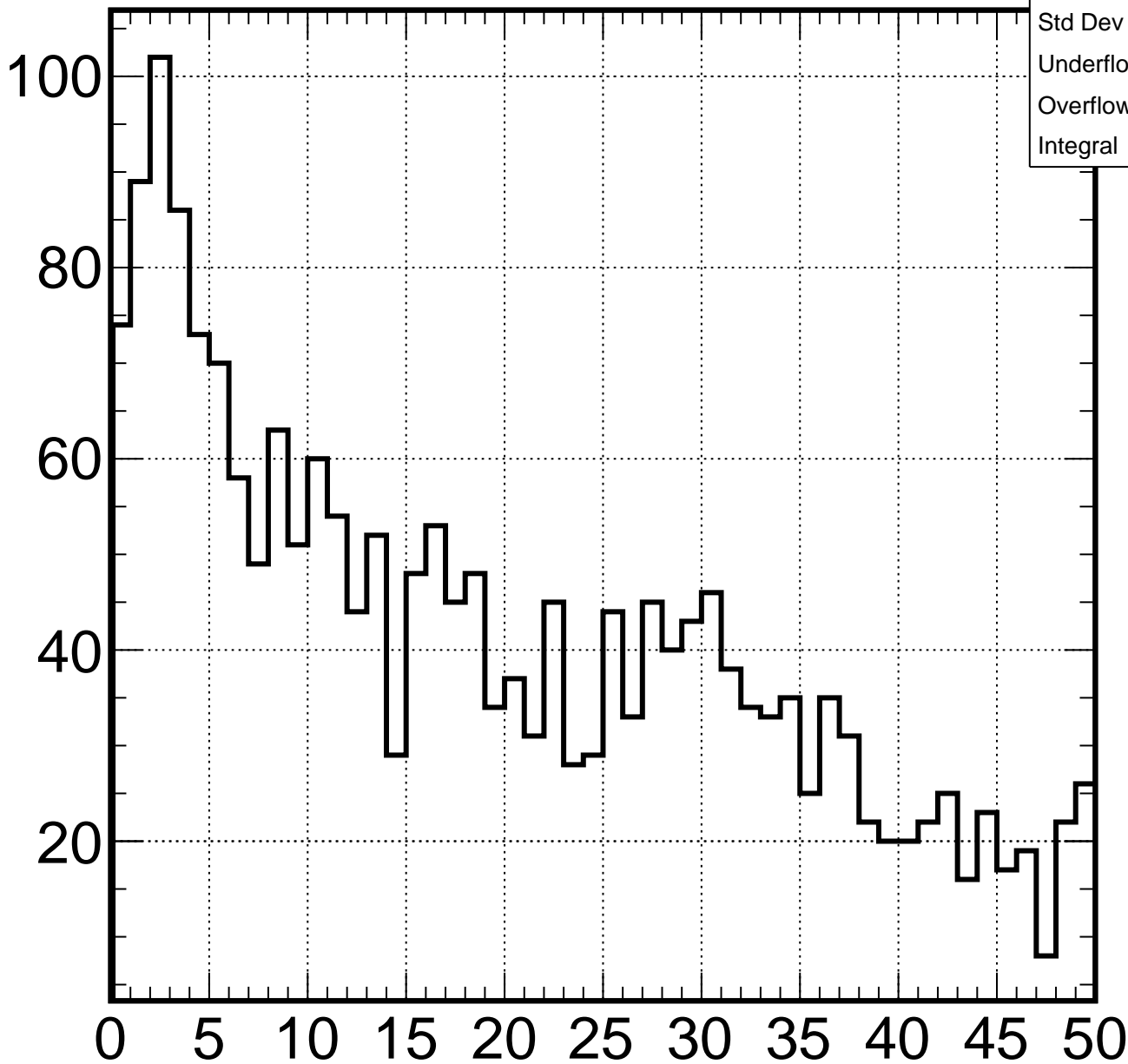
h_1d_hpt_fail

h_1d_hpt_fail

Mean	287.2
Std Dev	117.8
Underflow	0
Overflow	0
Integral	2694



h_1d_hx2_fail



h_1d_hx2_fail	
Mean	18.99
Std Dev	13.88
Underflow	0
Overflow	620
Integral	2074

h_1d_hptas_fail

h_1d_hptas_fail

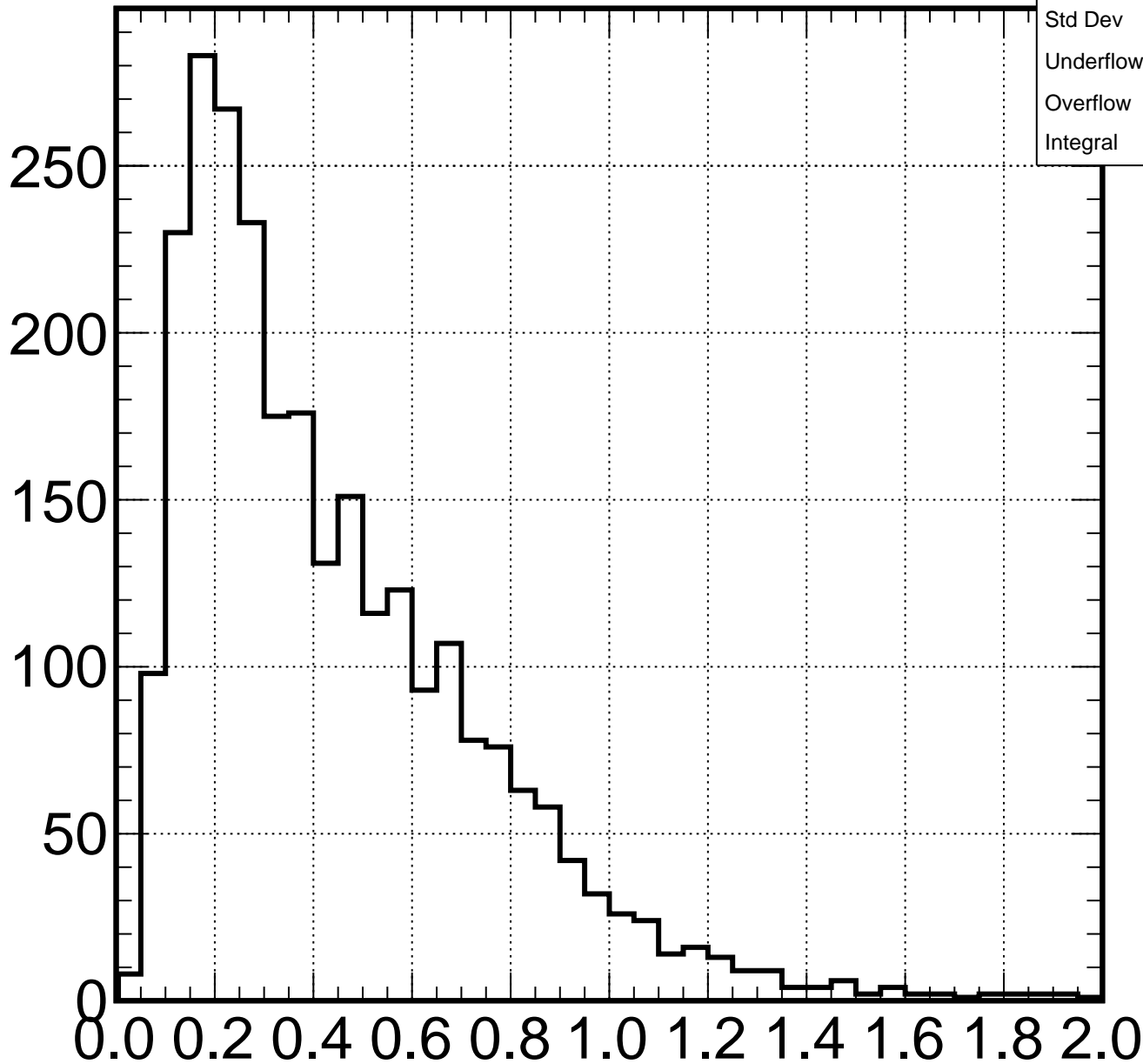
Mean 0.4439

Std Dev 0.3038

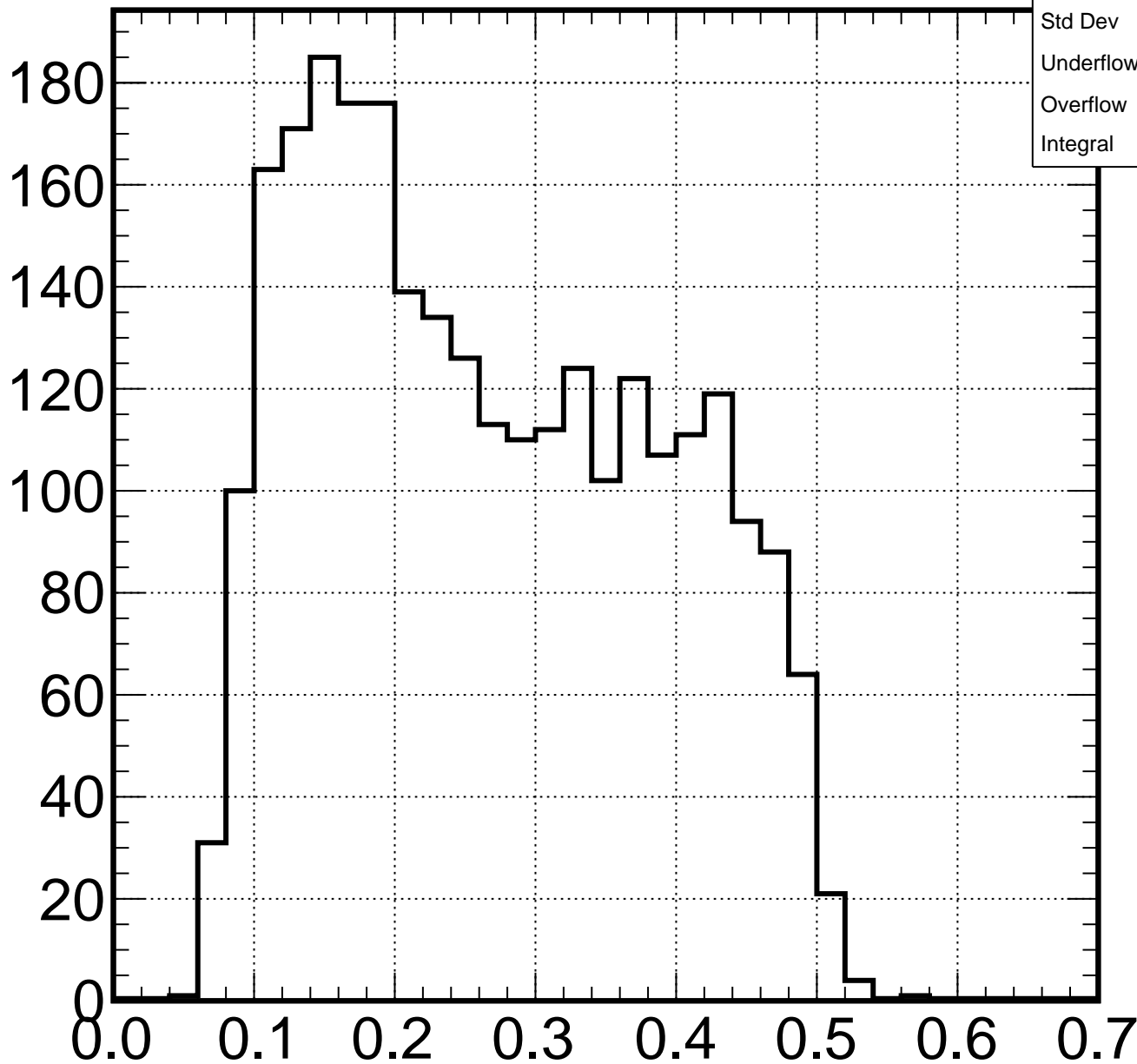
Underflow 0

Overflow 9

Integral 2685



h_1d_hptsd_fail



h_1d_hptsd_fail

Mean 0.2674

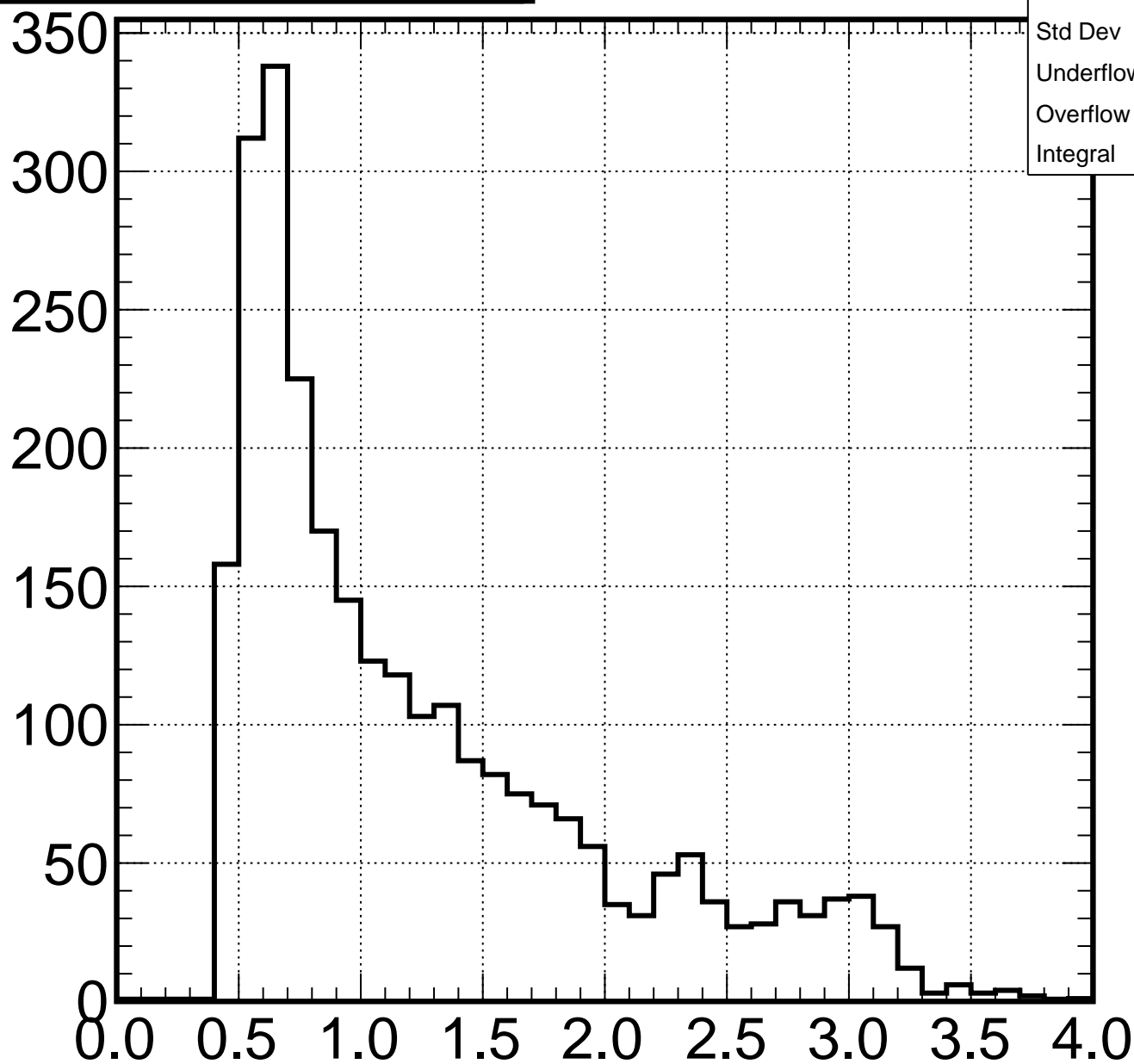
Std Dev 0.1199

Underflow 0

Overflow 0

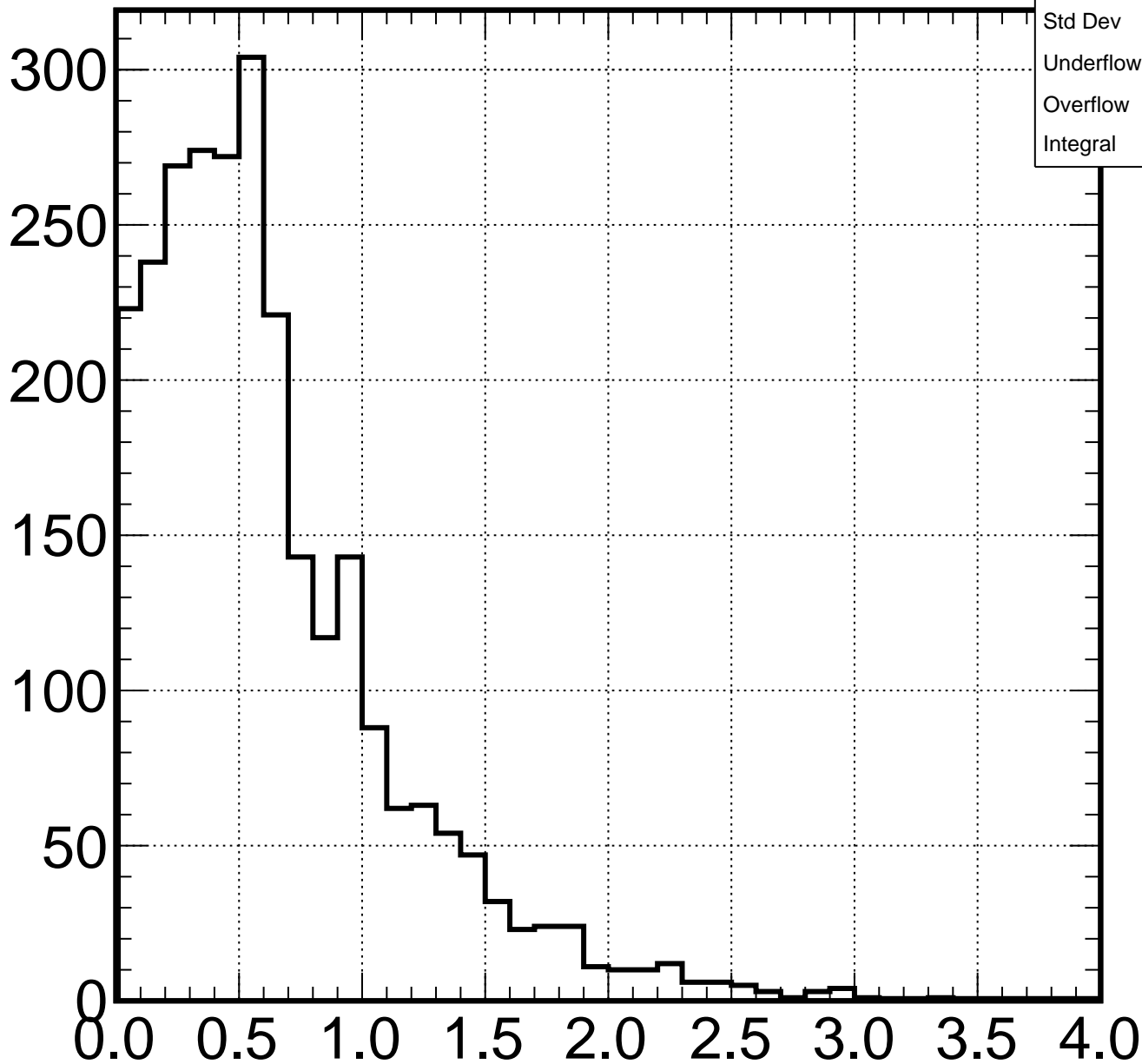
Integral 2694

h_1d_hDeltaR_fail



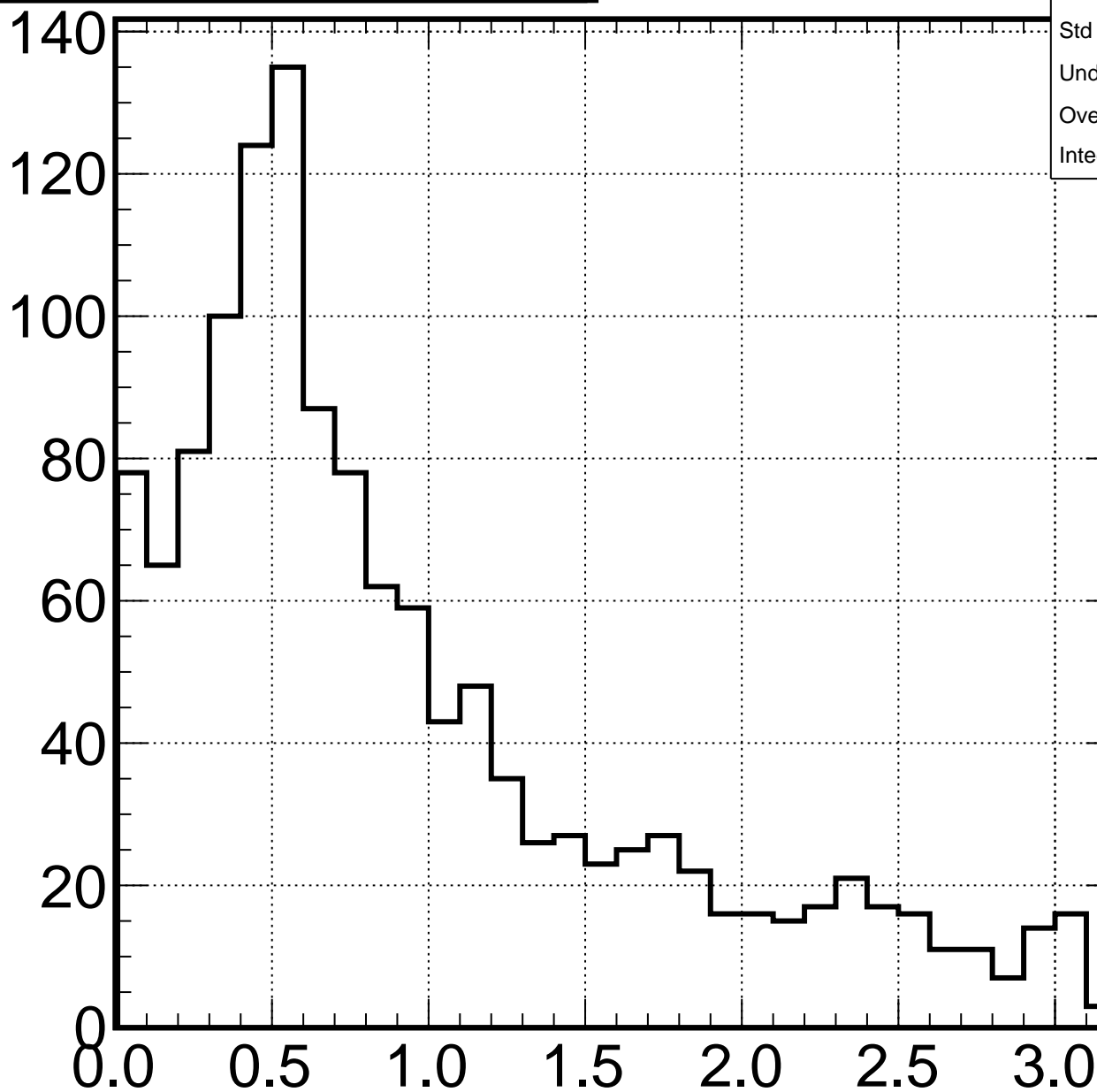
h_1d_hDeltaR_fail	
Mean	1.256
Std Dev	0.75
Underflow	0
Overflow	2
Integral	2692

h_1d_hDeltaEta_fail



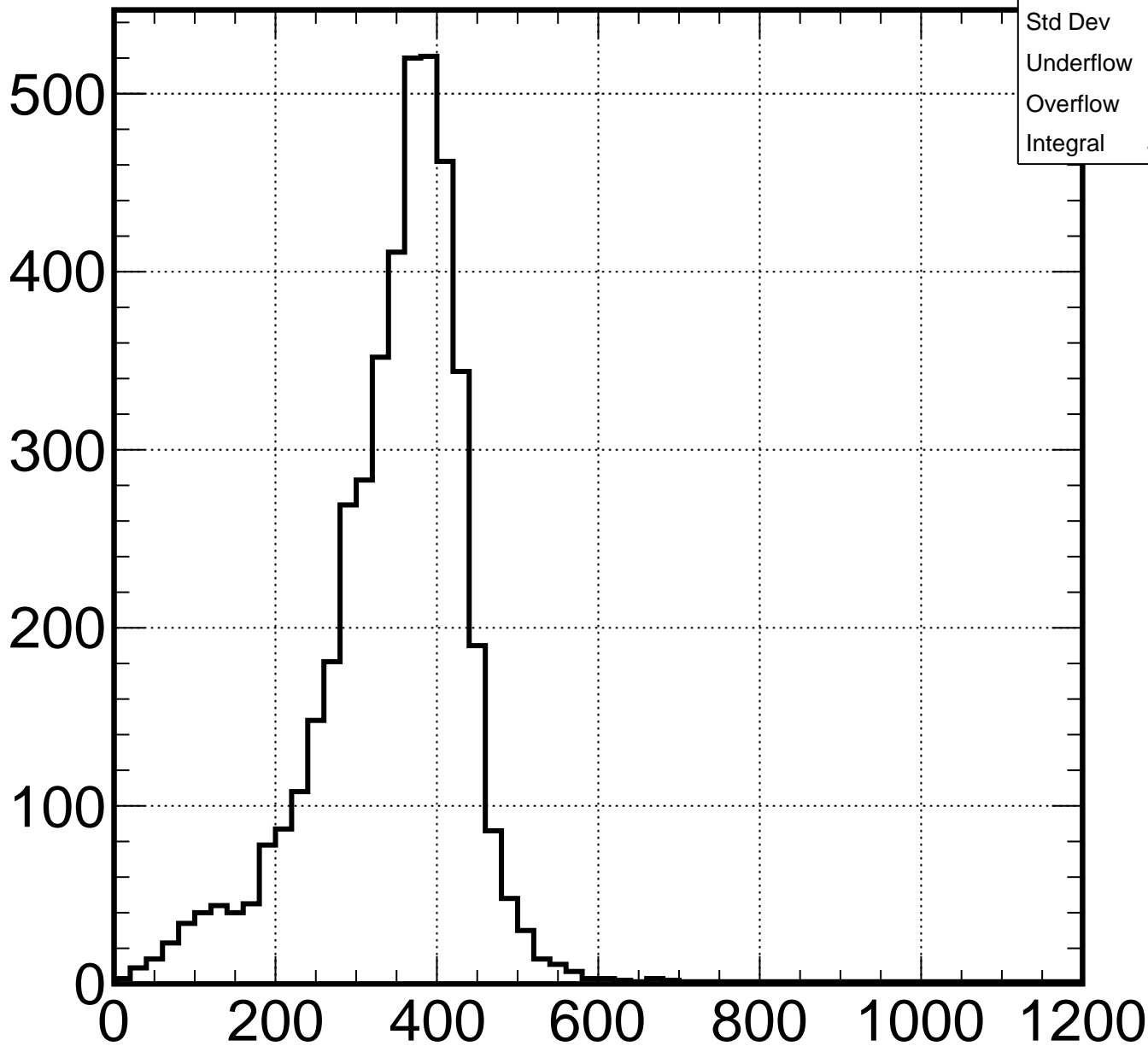
h_1d_hDeltaEta_fail	
Mean	0.6343
Std Dev	0.5
Underflow	0
Overflow	0
Integral	2694

h_1d_hDeltaPhi_fail



h_1d_hDeltaPhi_fail	
Mean	0.943
Std Dev	0.7563
Underflow	1369
Overflow	0
Integral	1325

h_1d_hpt_pass

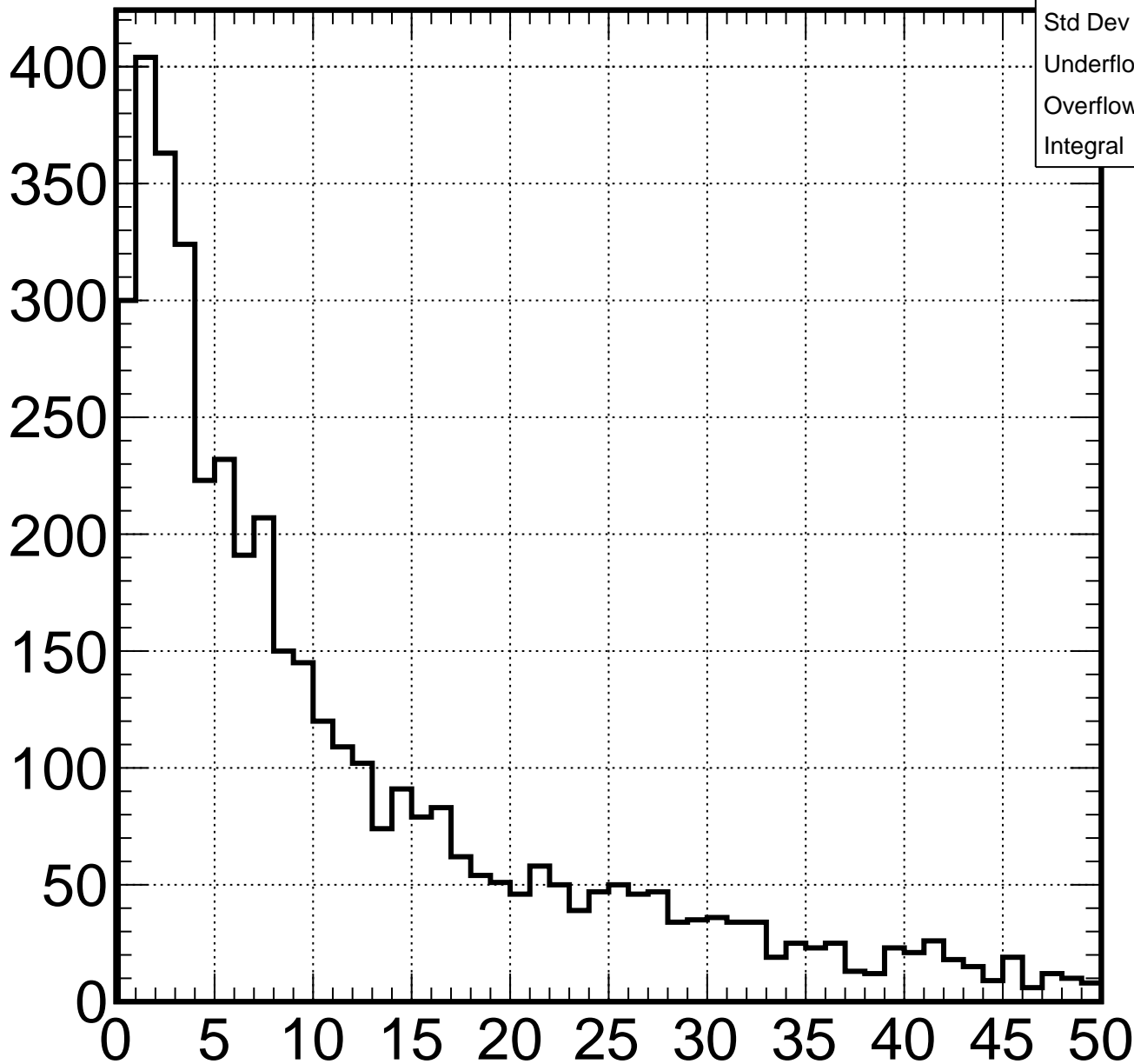


h_1d_hpt_pass	
Mean	345.1
Std Dev	90
Underflow	0
Overflow	0
Integral	4418

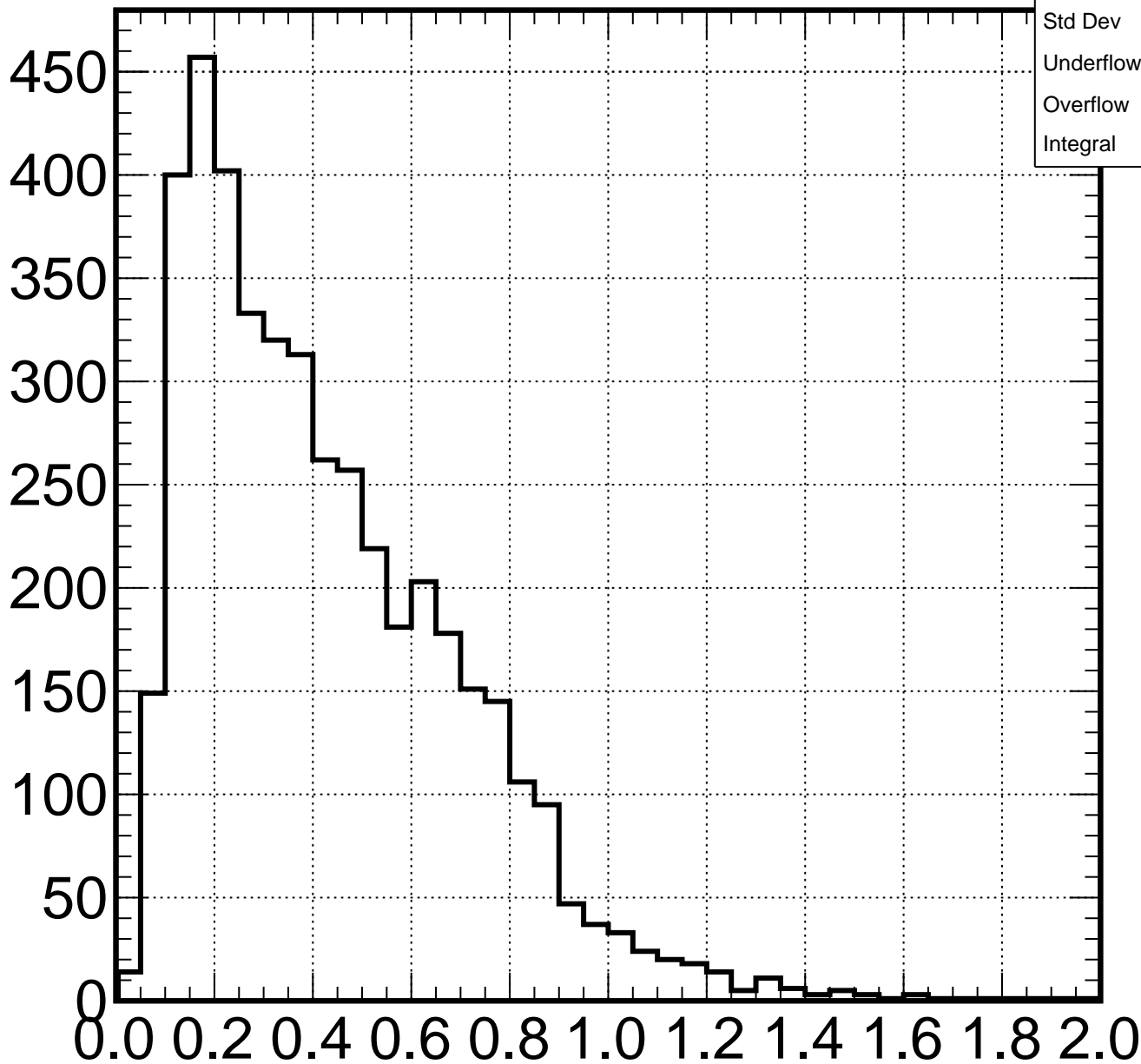
h_1d_hx2_pass

h_1d_hx2_pass

Mean	11.46
Std Dev	11.26
Underflow	0
Overflow	214
Integral	4204



h_1d_hptas_pass



h_1d_hptas_pass

Mean 0.4284

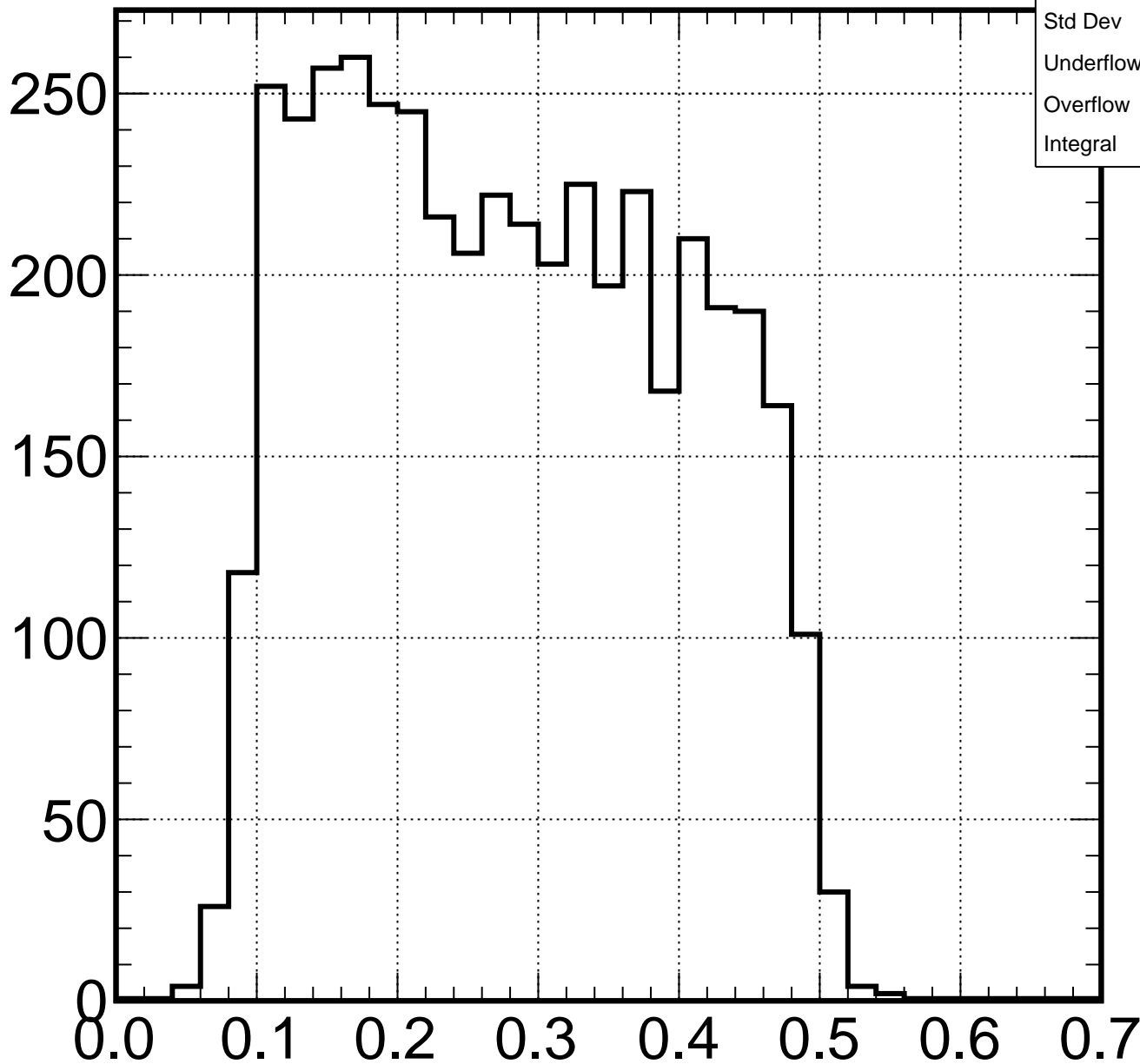
Std Dev 0.2687

Underflow 0

Overflow 1

Integral 4417

h_1d_hptsd_pass



h_1d_hptsd_pass

Mean 0.2783

Std Dev 0.1173

Underflow 0

Overflow 0

Integral 4418

h_1d_hDeltaR_pass

h_1d_hDeltaR_pass

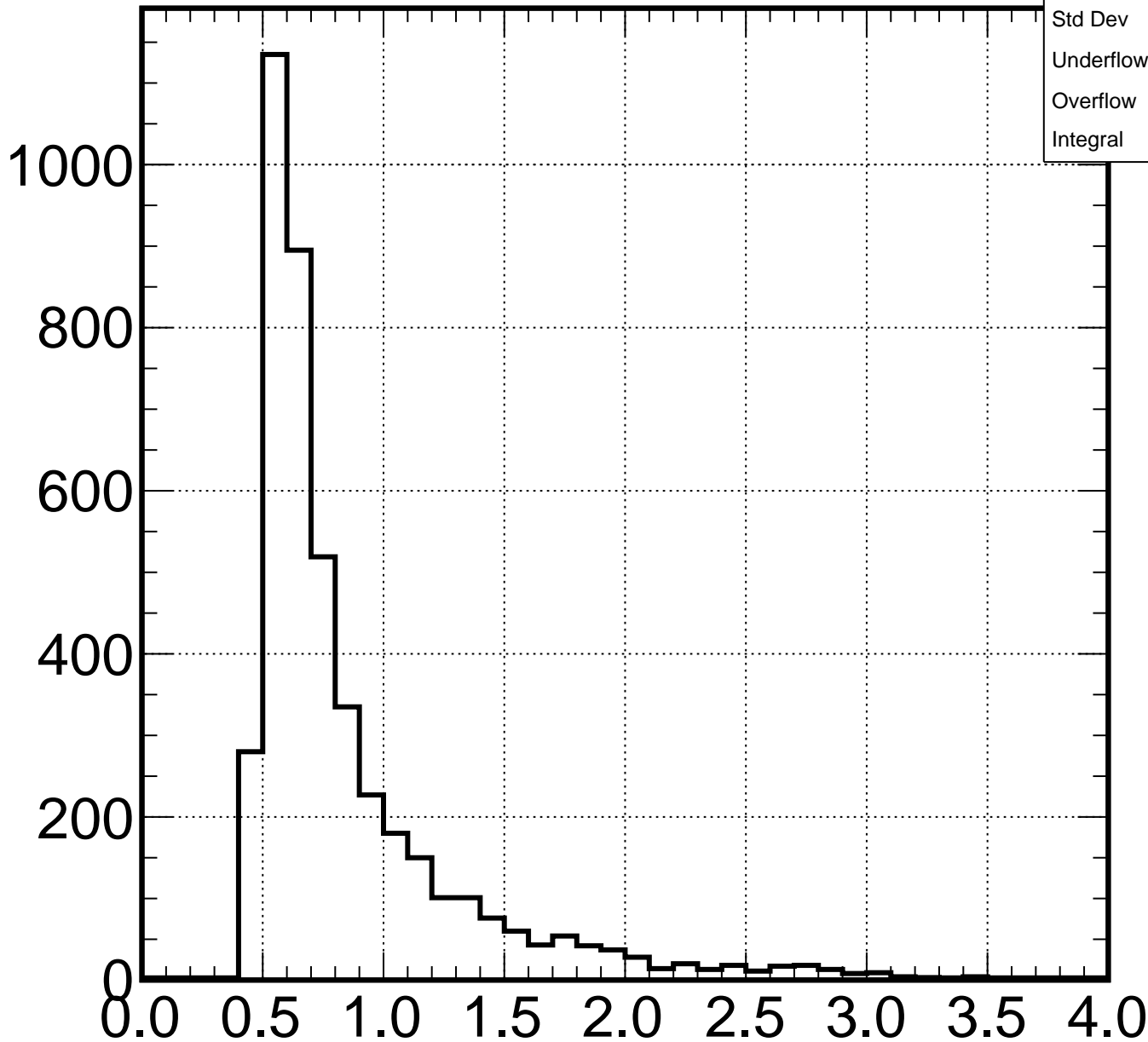
Mean 0.8667

Std Dev 0.4764

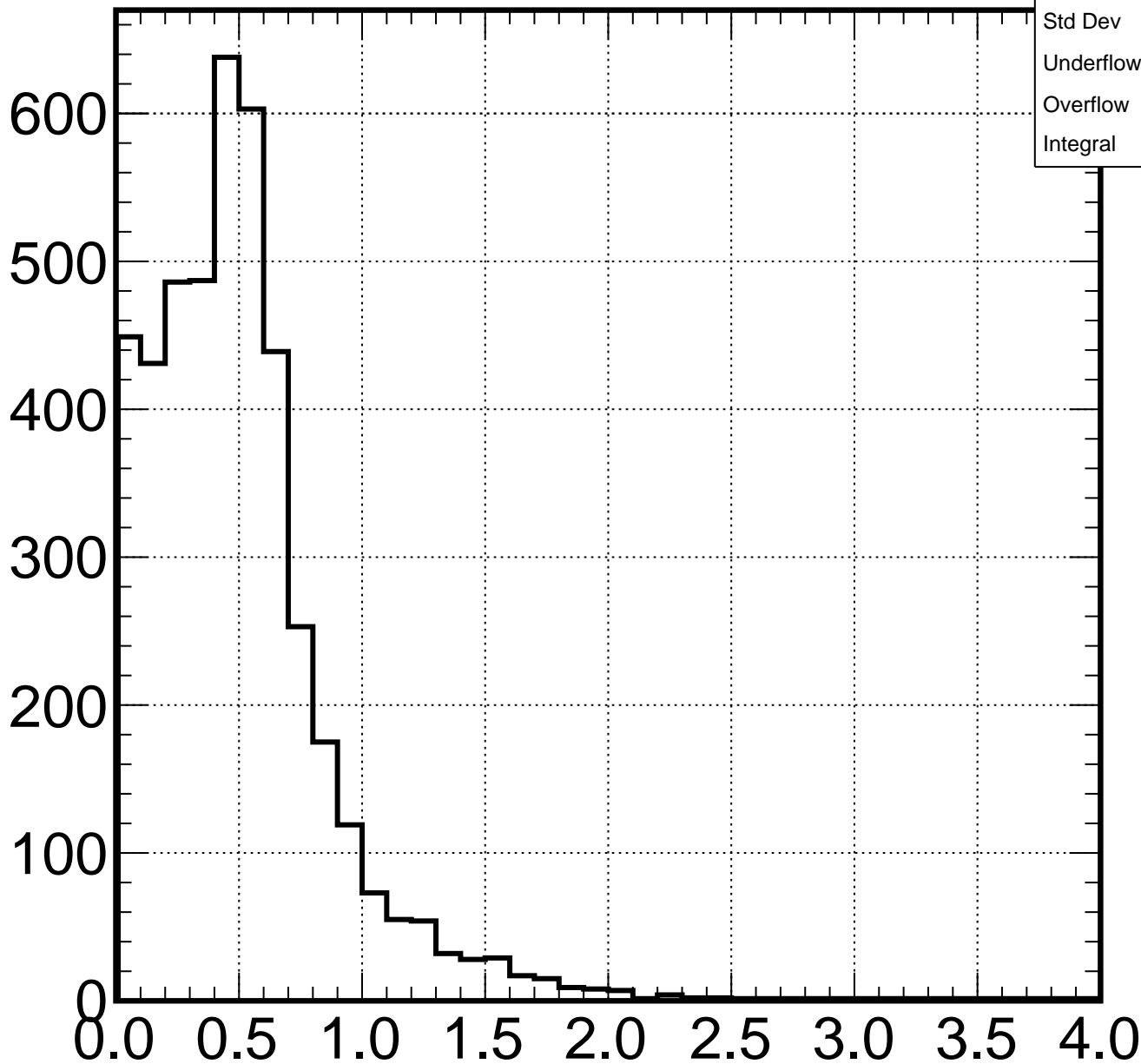
Underflow 0

Overflow 0

Integral 4418

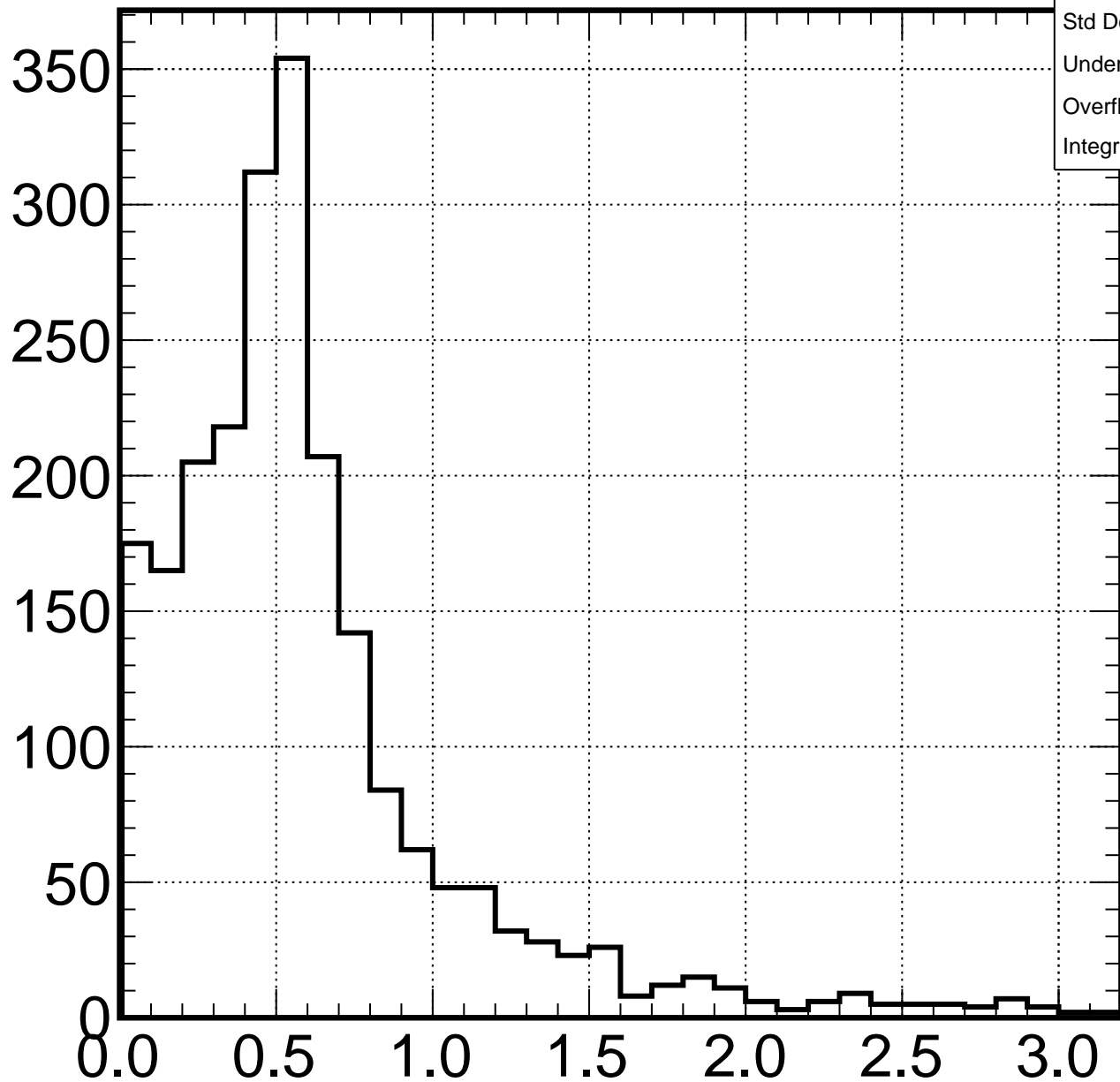


h_1d_hDeltaEta_pass



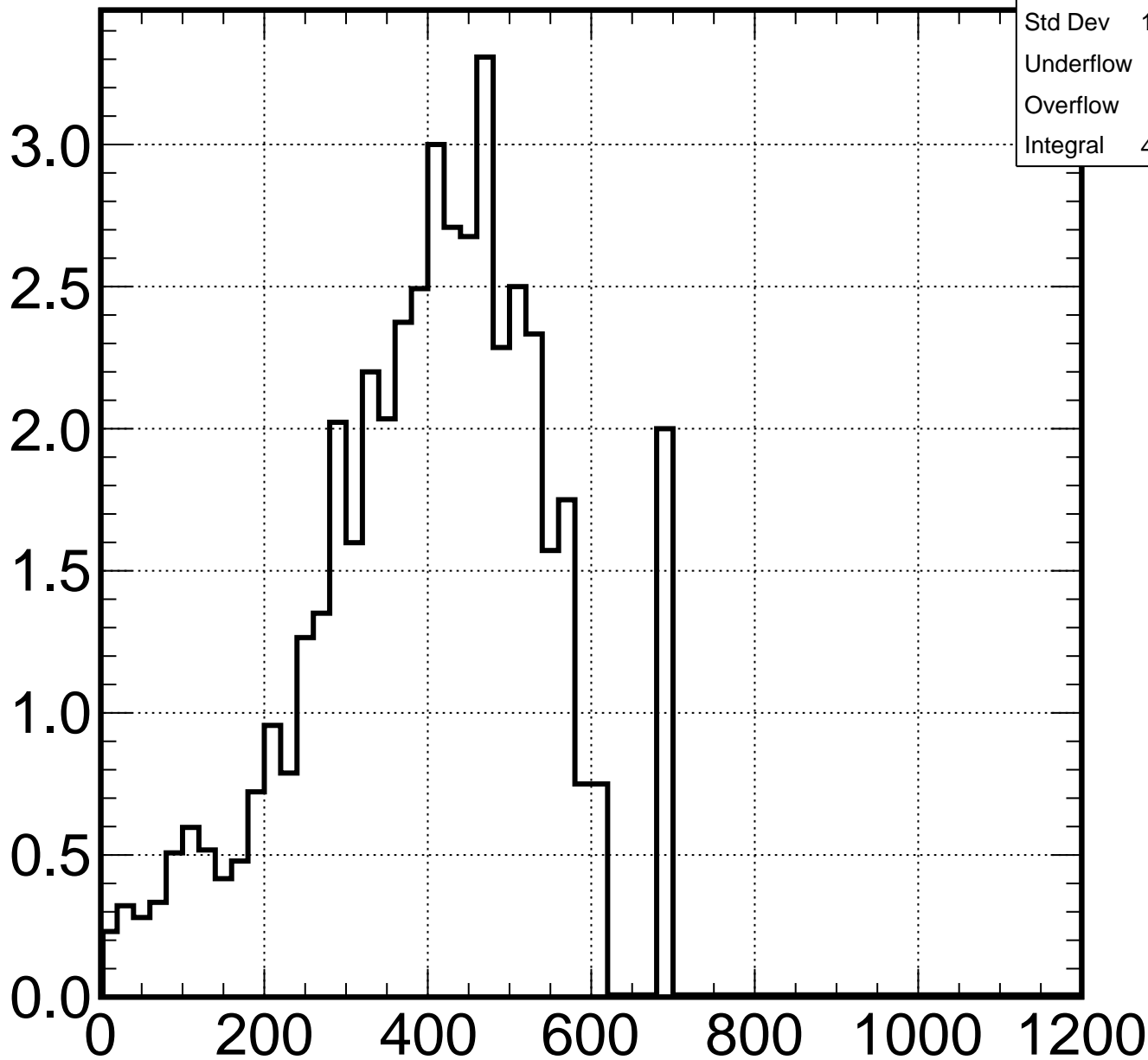
h_1d_hDeltaEta_pass	
Mean	0.4967
Std Dev	0.3538
Underflow	0
Overflow	0
Integral	4418

h_1d_hDeltaPhi_pass



h_1d_hDeltaPhi_pass	
Mean	0.6047
Std Dev	0.4882
Underflow	2185
Overflow	0
Integral	2233

h_1d_hpt_ratio



h_1d_hpt_ratio

Mean 400.5

Std Dev 142.9

Underflow 0

Overflow 0

Integral 47.12

h_1d_hx2_ratio

h_1d_hx2_ratio

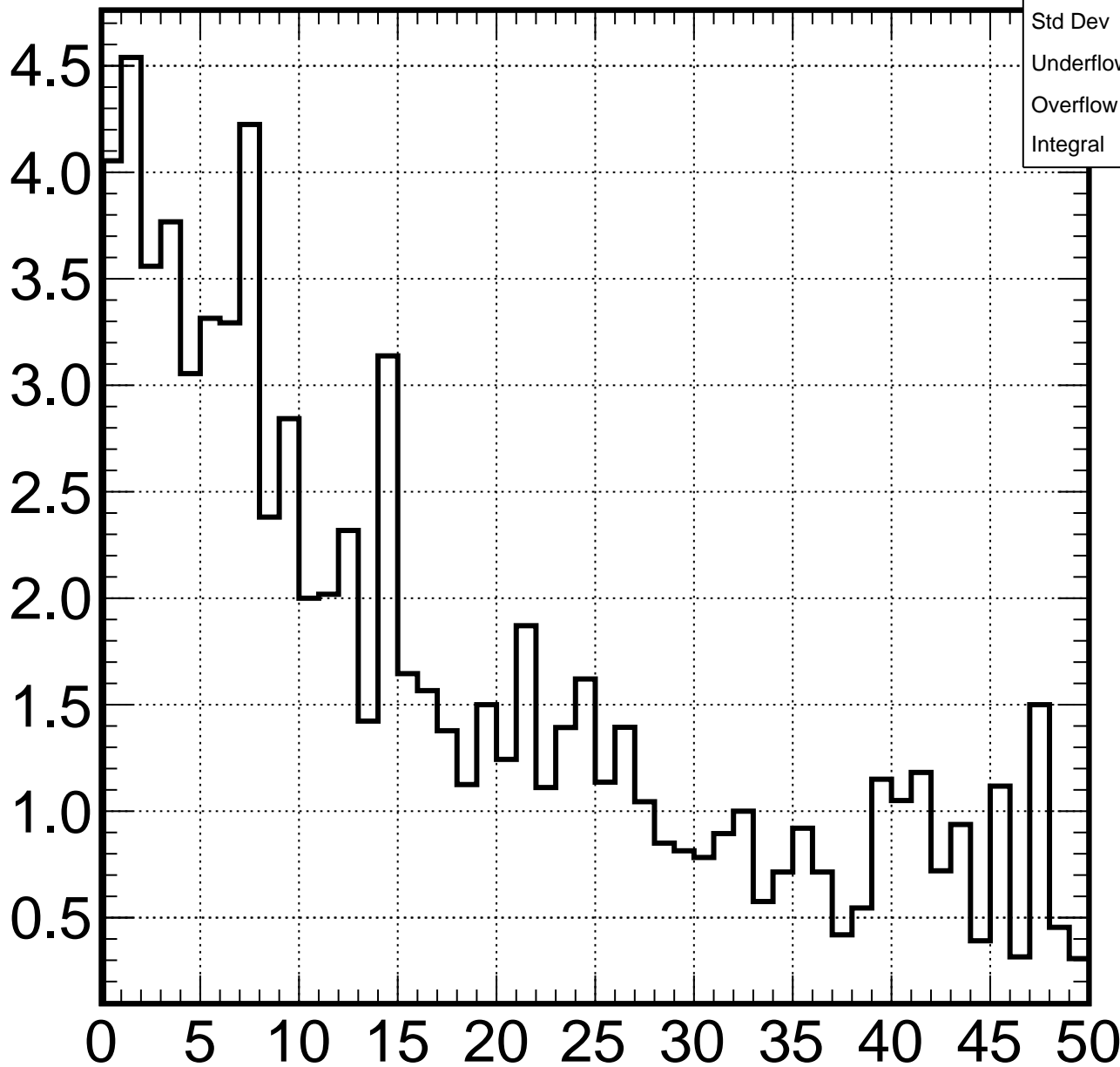
Mean 16.68

Std Dev 13.7

Underflow 0

Overflow 0.3452

Integral 81.31



h_1d_hptas_ratio

h_1d_hptas_ratio

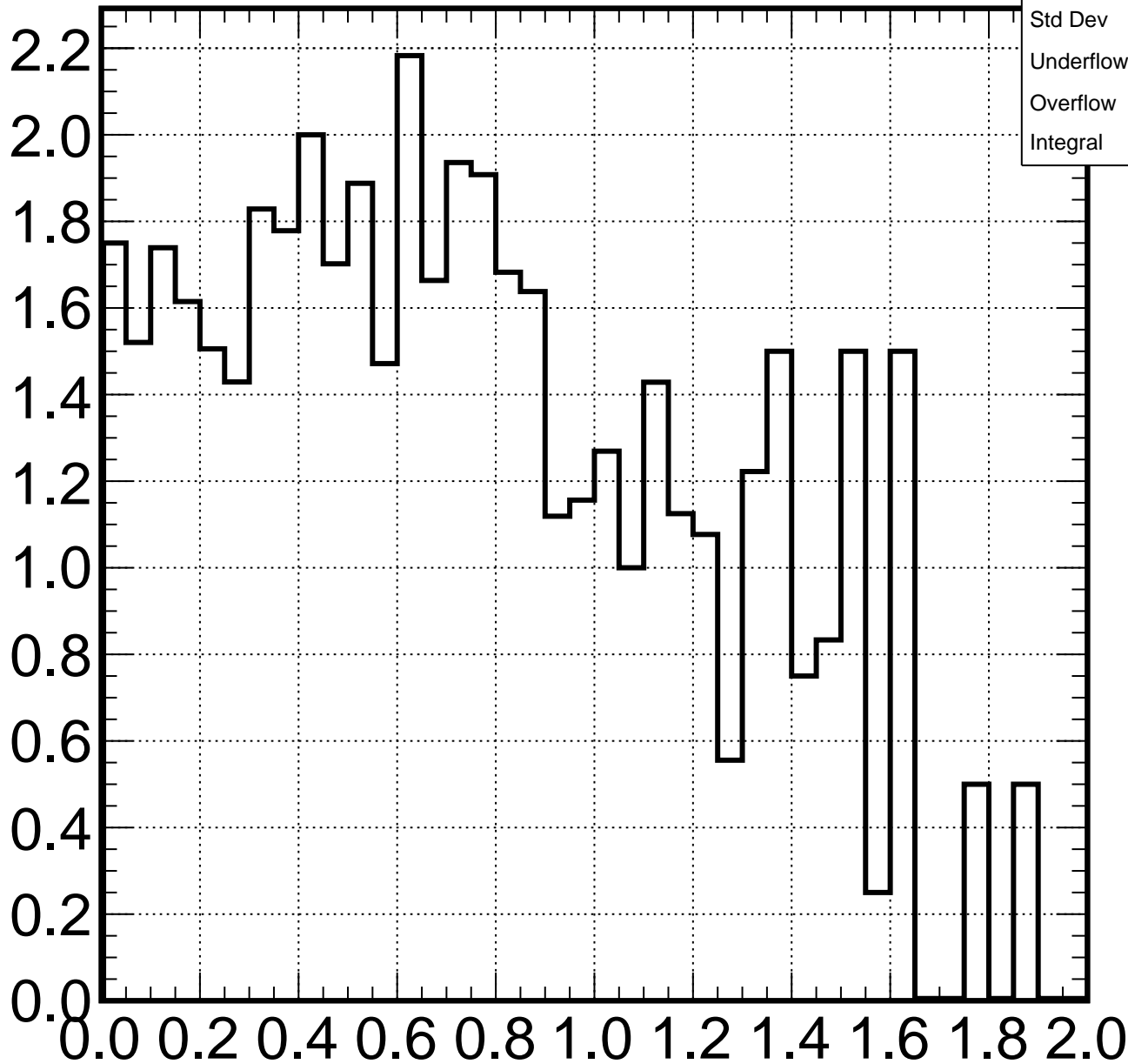
Mean 0.7575

Std Dev 0.4749

Underflow 0

Overflow 0.1111

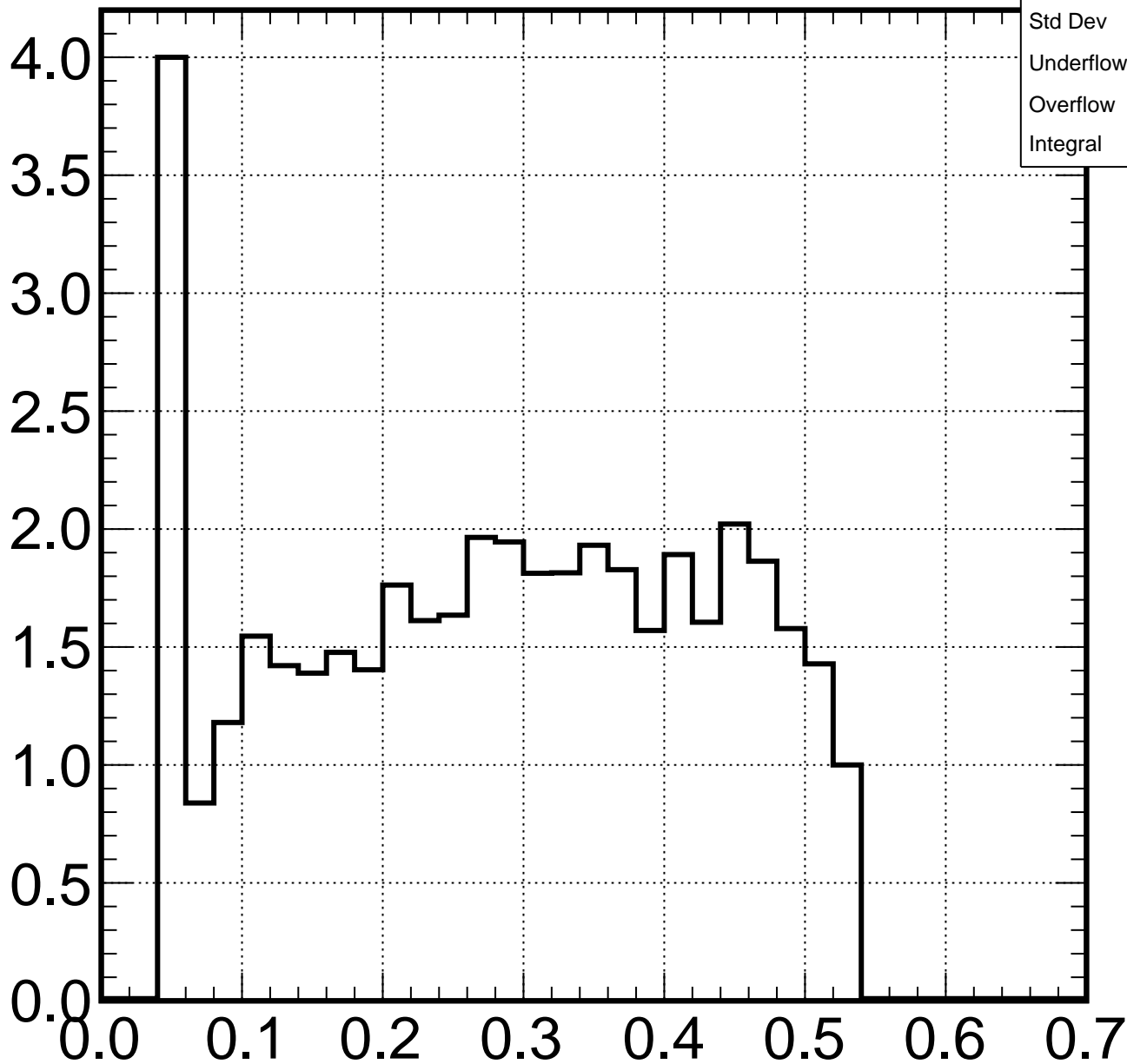
Integral 48.52



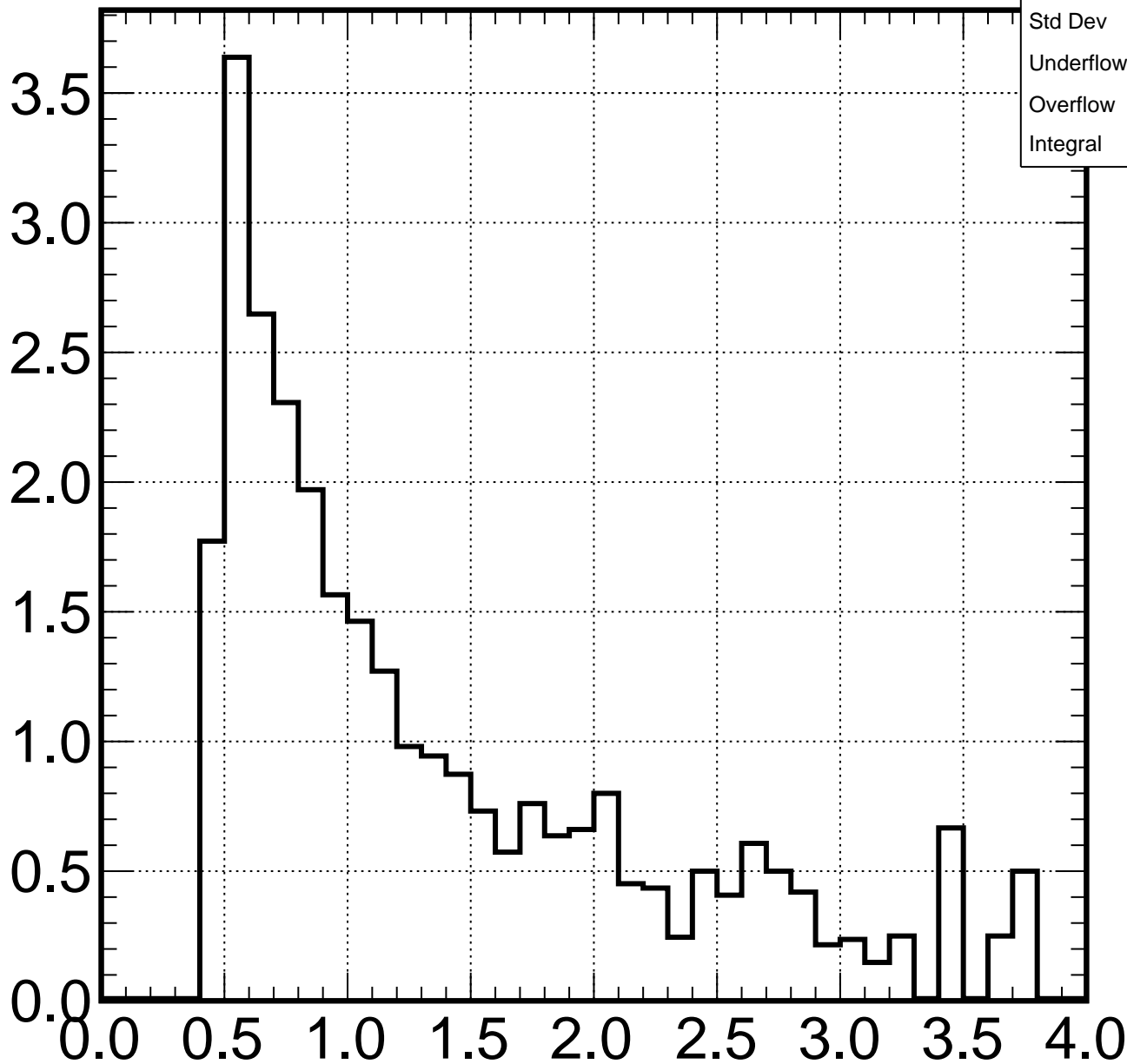
h_1d_hptsd_ratio

h_1d_hptsd_ratio

Mean	0.2845
Std Dev	0.1443
Underflow	0
Overflow	0
Integral	42.52



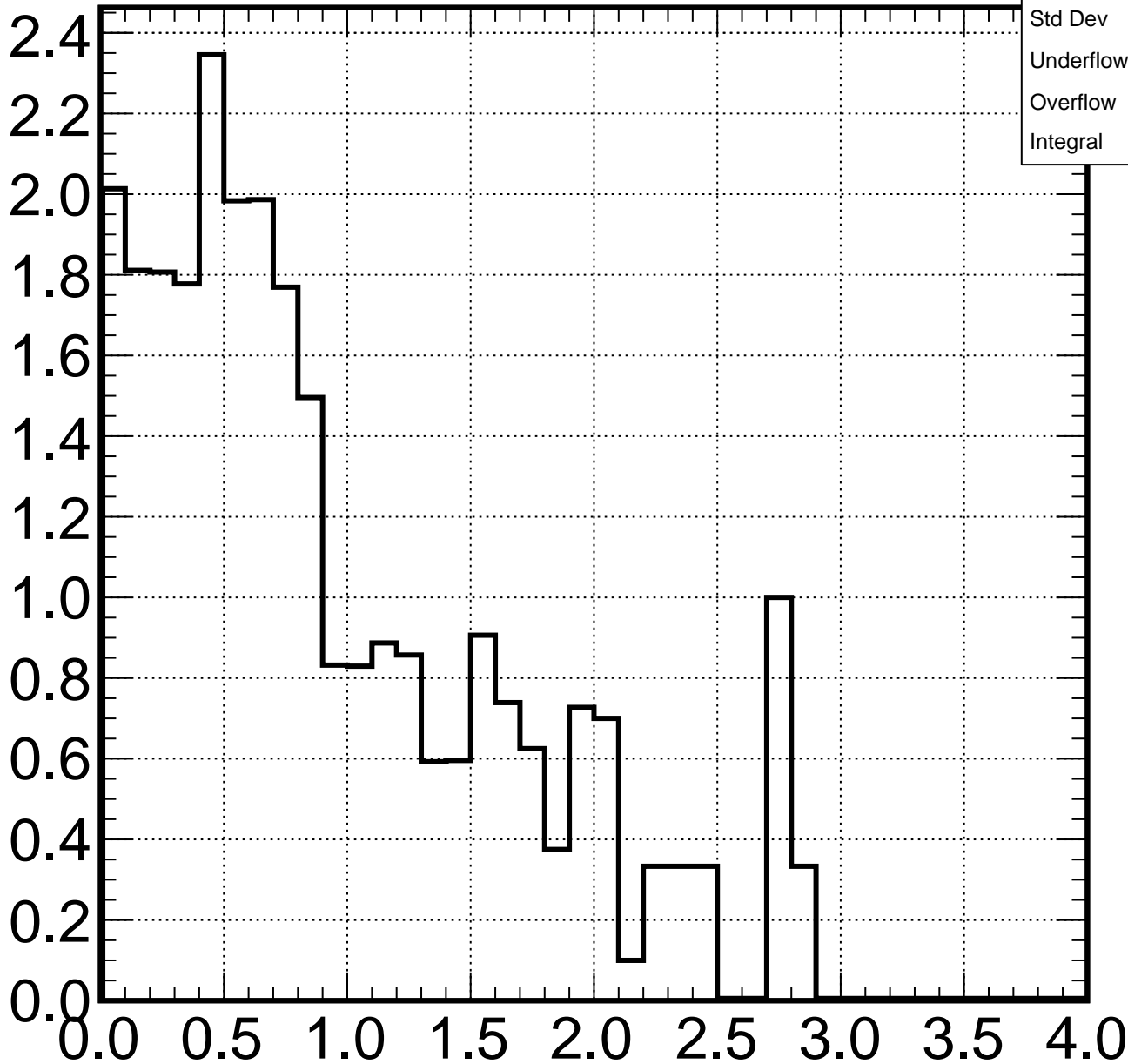
h_1d_hDeltaR_ratio



h_1d_hDeltaR_ratio	
Mean	1.372
Std Dev	0.8764
Underflow	0
Overflow	0
Integral	29.43

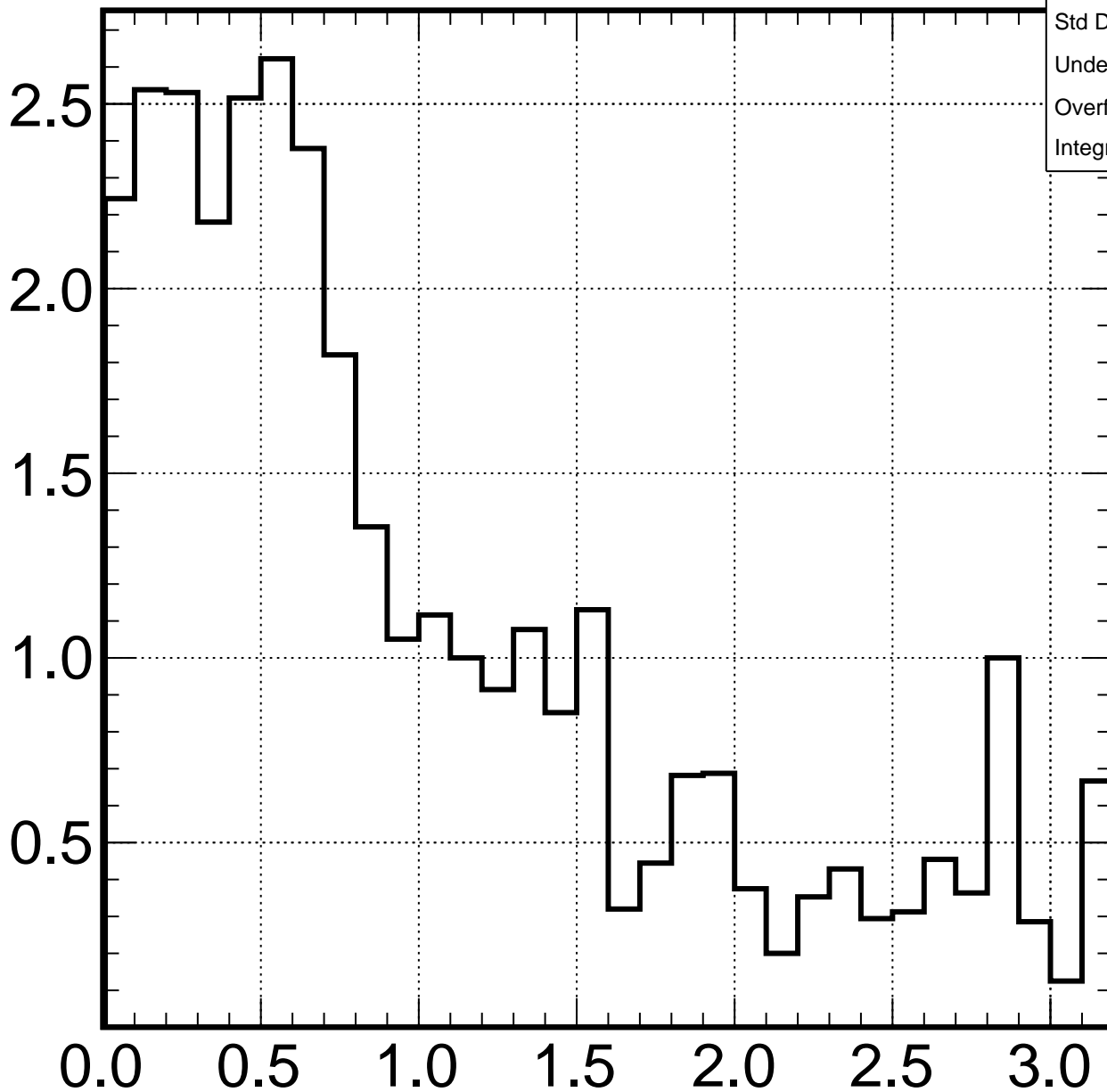
h_1d_hDeltaEta_ratio

h_1d_hDeltaEta_ratio	
Mean	0.9409
Std Dev	0.7396
Underflow	0
Overflow	0
Integral	28.09

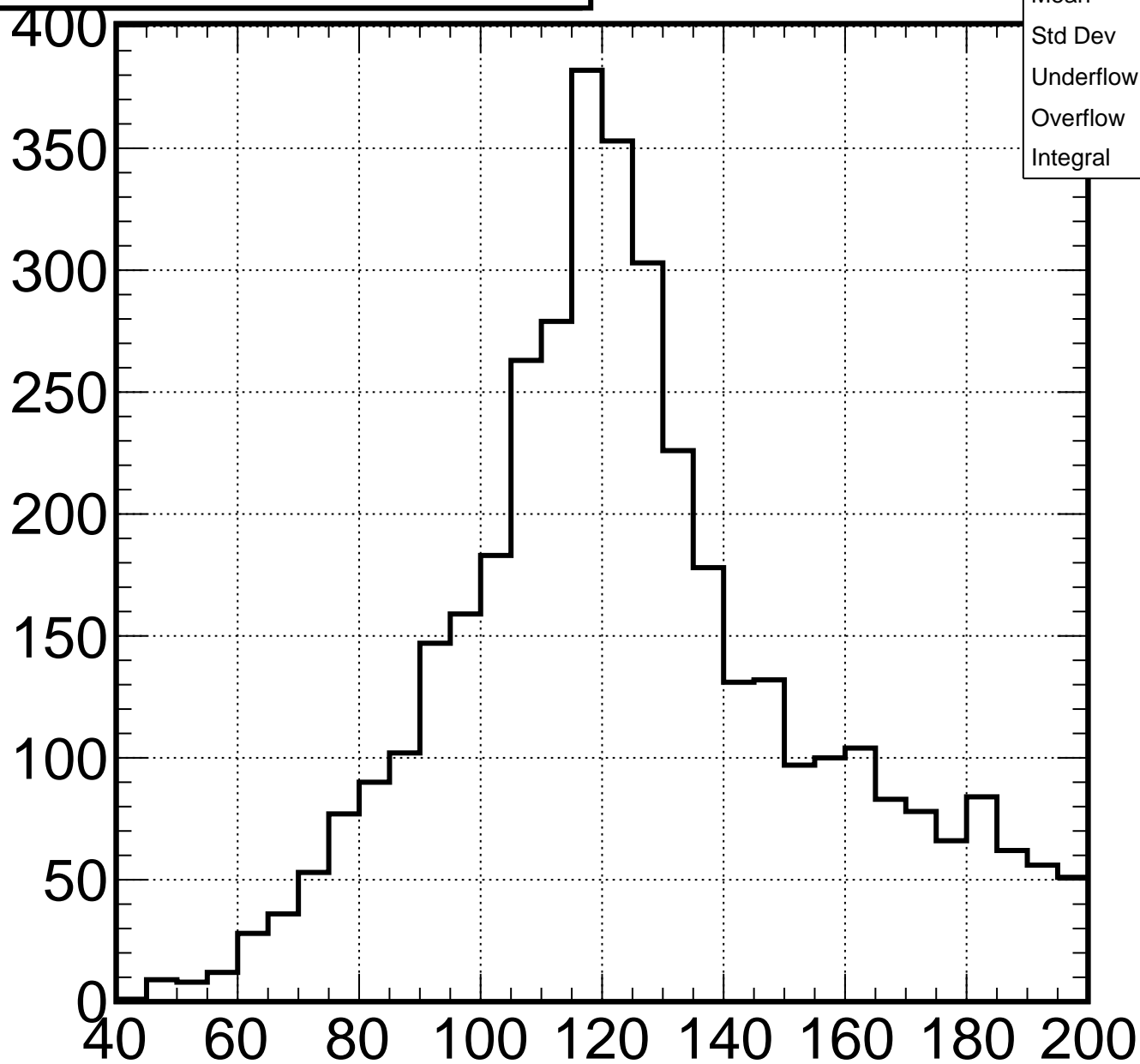


h_1d_hDeltaPhi_ratio

h_1d_hDeltaPhi_ratio	
Mean	0.9976
Std Dev	0.8364
Underflow	1.596
Overflow	0
Integral	34.32

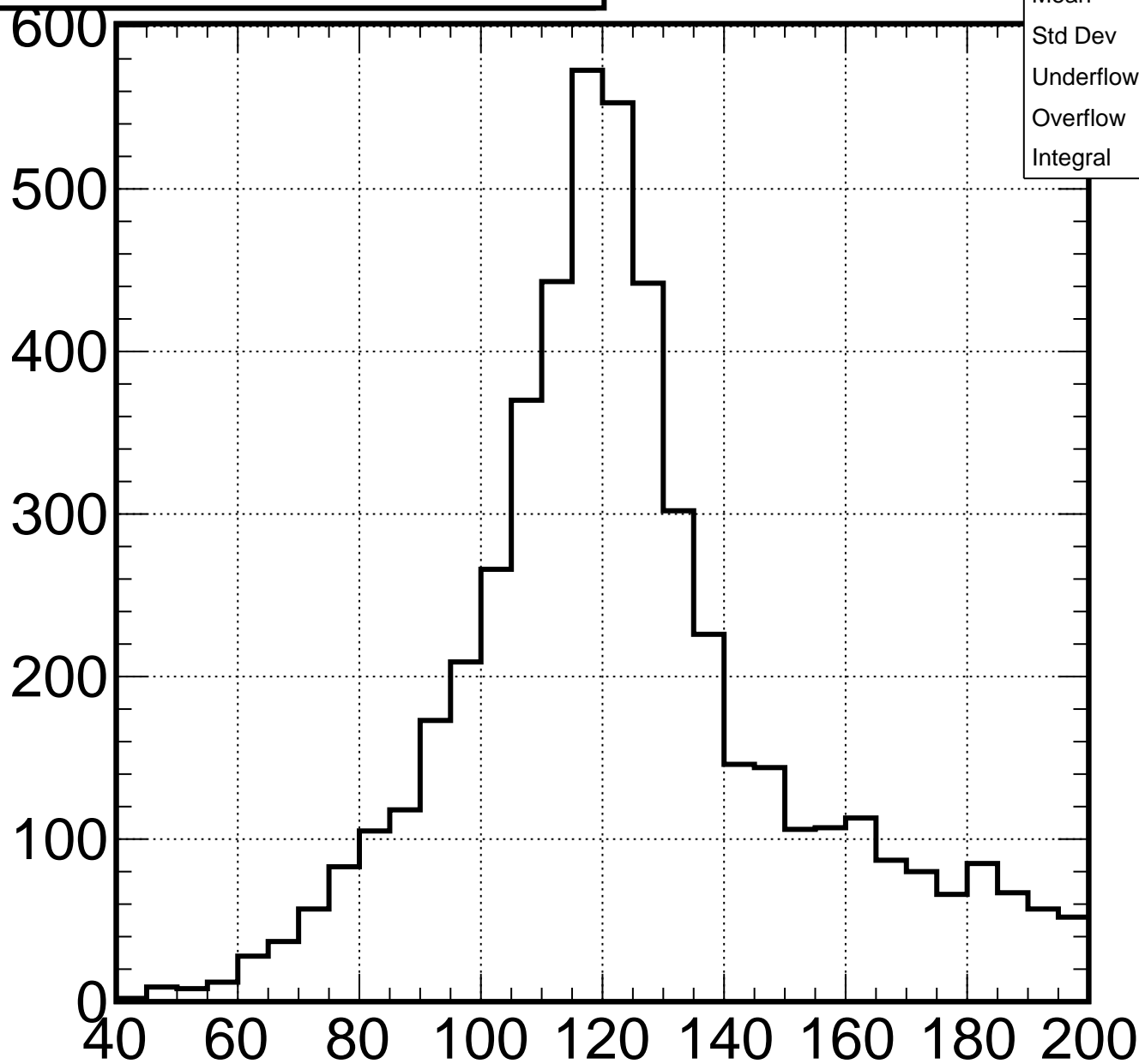


h_minhiggsM_fail_L



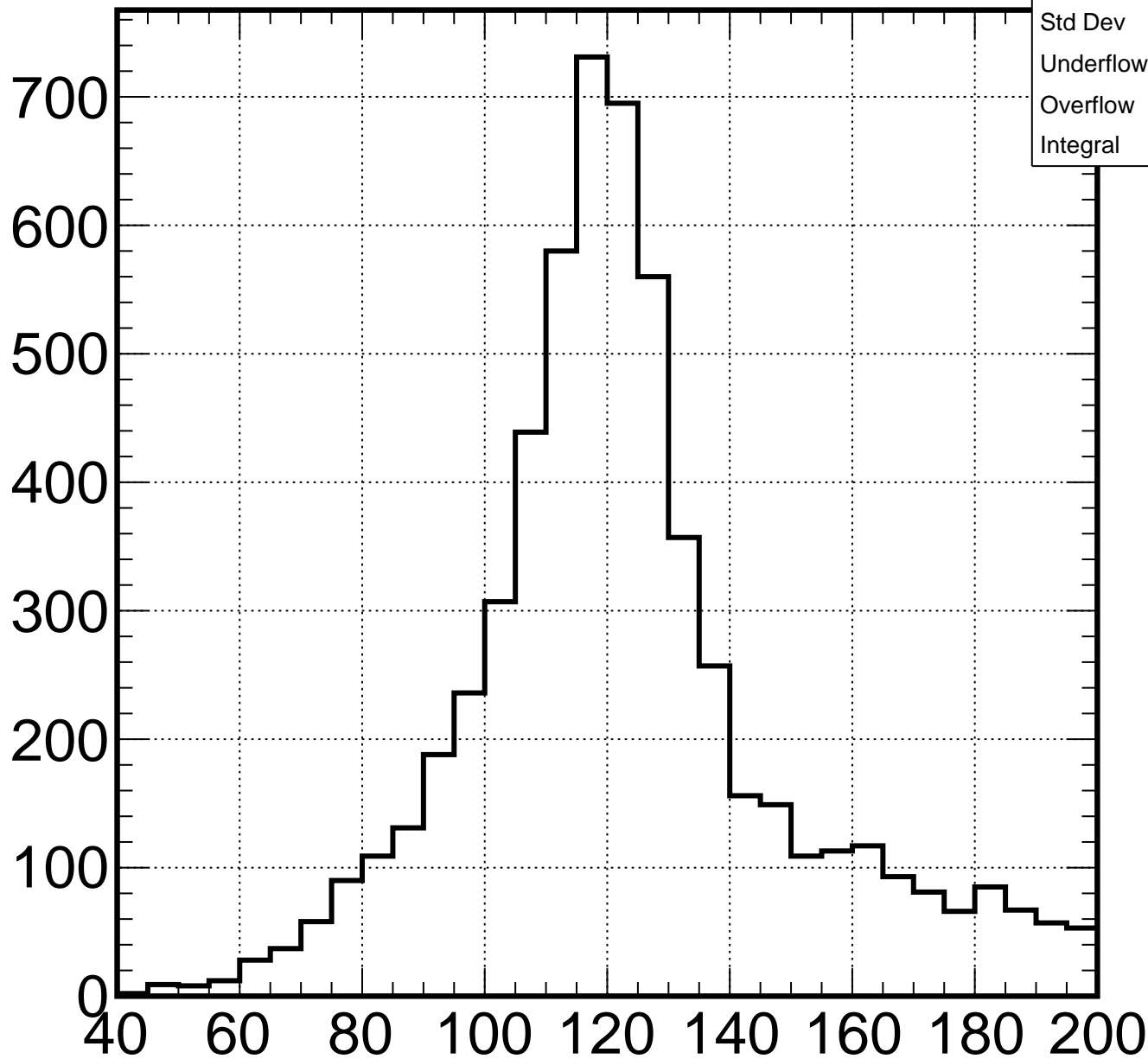
h_minhiggsM_fail_L	
Mean	125.4
Std Dev	30.06
Underflow	1
Overflow	537
Integral	3933

h_minhiggsM_fail_M



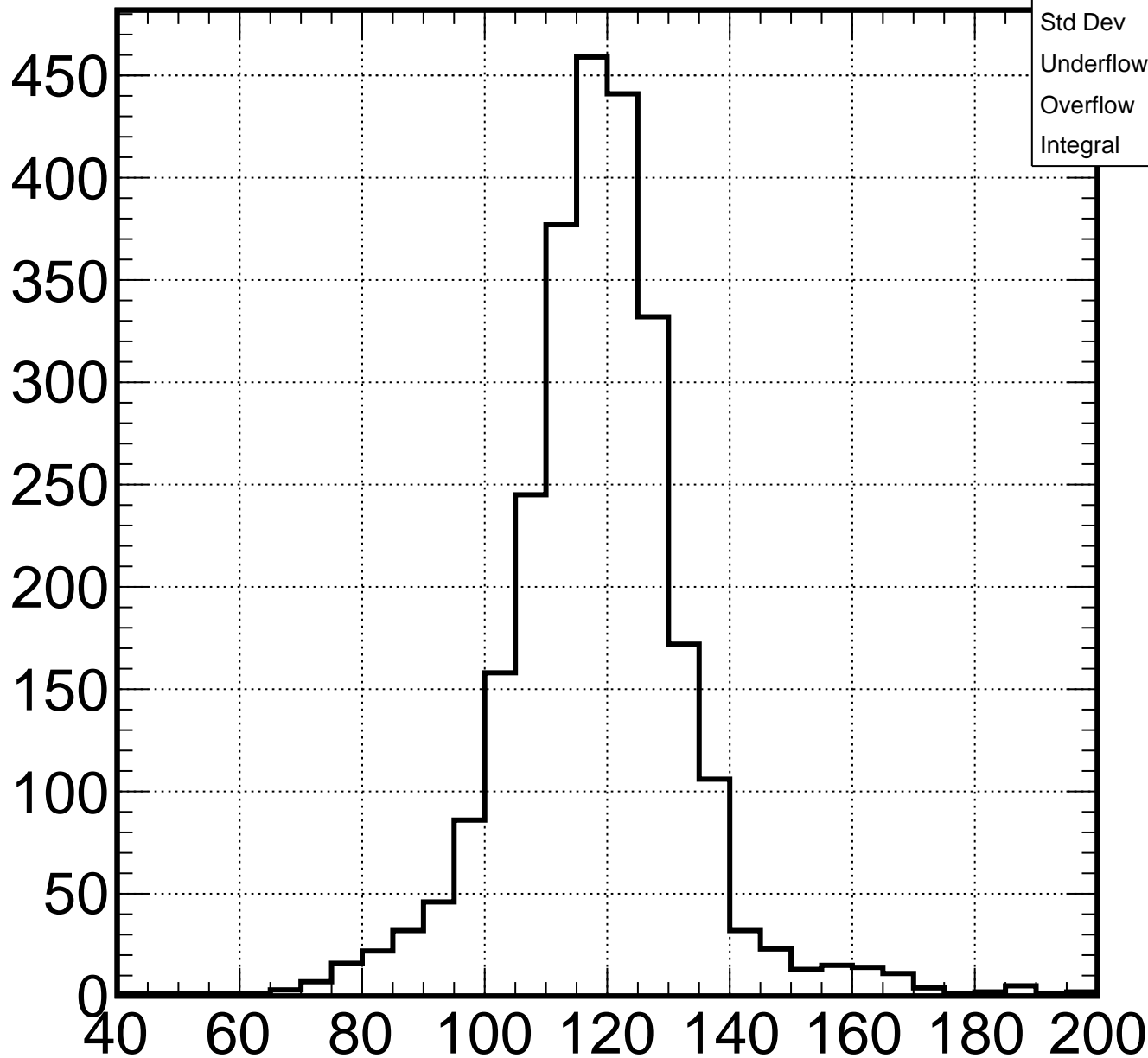
h_minhiggsM_fail_M	
Mean	123.7
Std Dev	27.58
Underflow	1
Overflow	548
Integral	5126

h_minhiggsM_fail_T



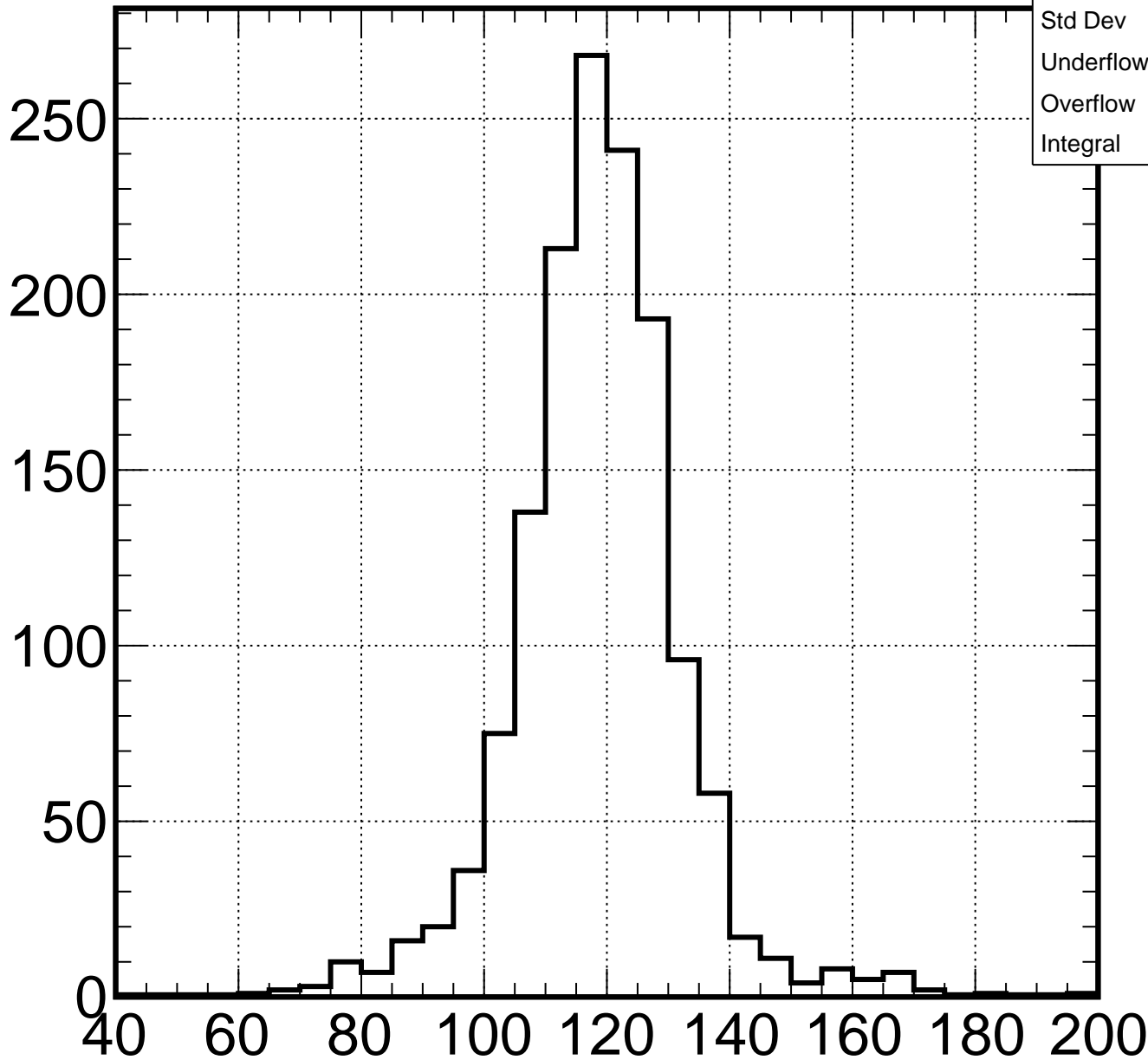
h_minhiggsM_fail_T	
Mean	123
Std Dev	26.13
Underflow	1
Overflow	550
Integral	5980

h_minhiggsM_pass_L

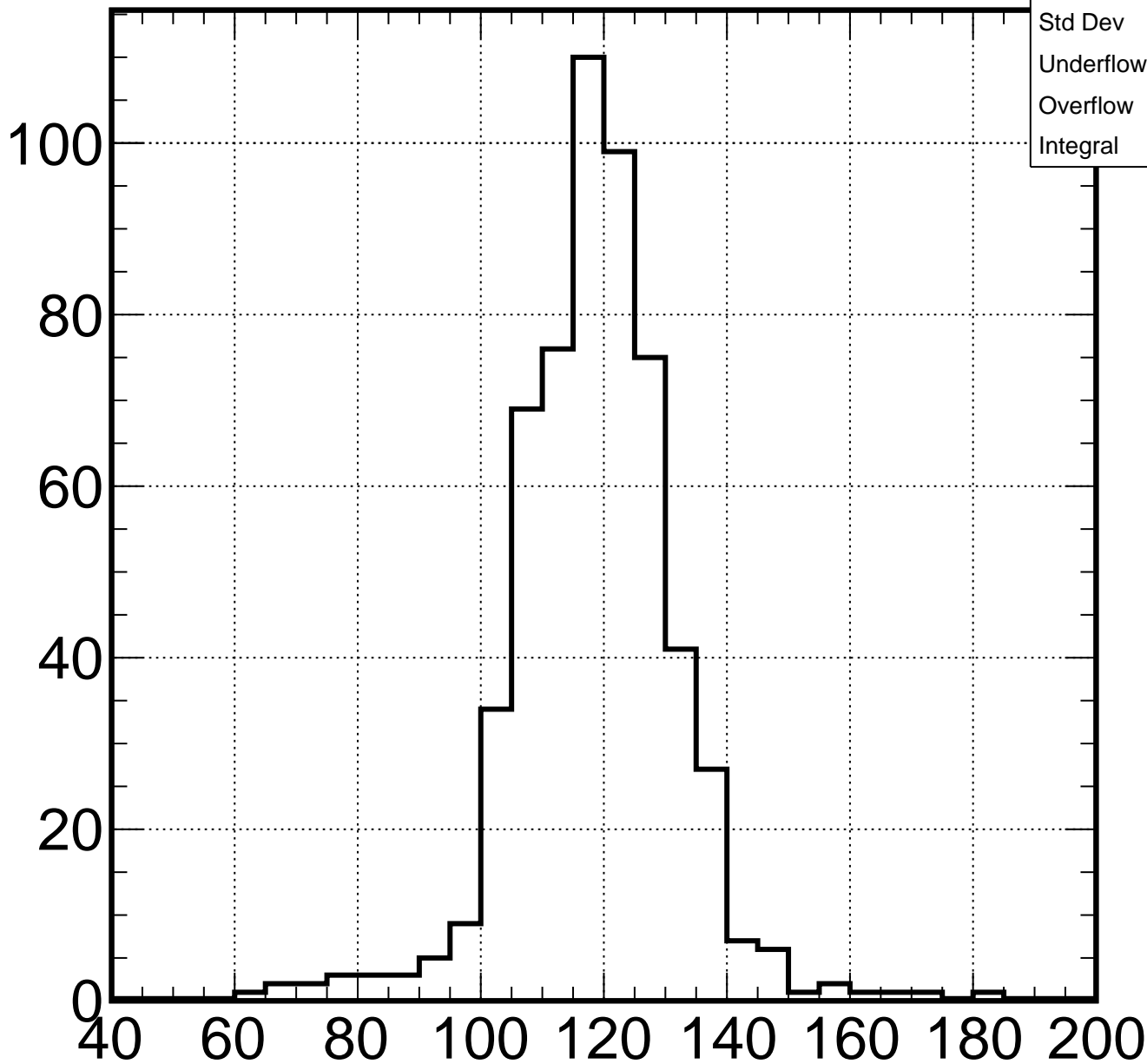


h_minhiggsM_pass_L	
Mean	118.4
Std Dev	14.65
Underflow	0
Overflow	15
Integral	2626

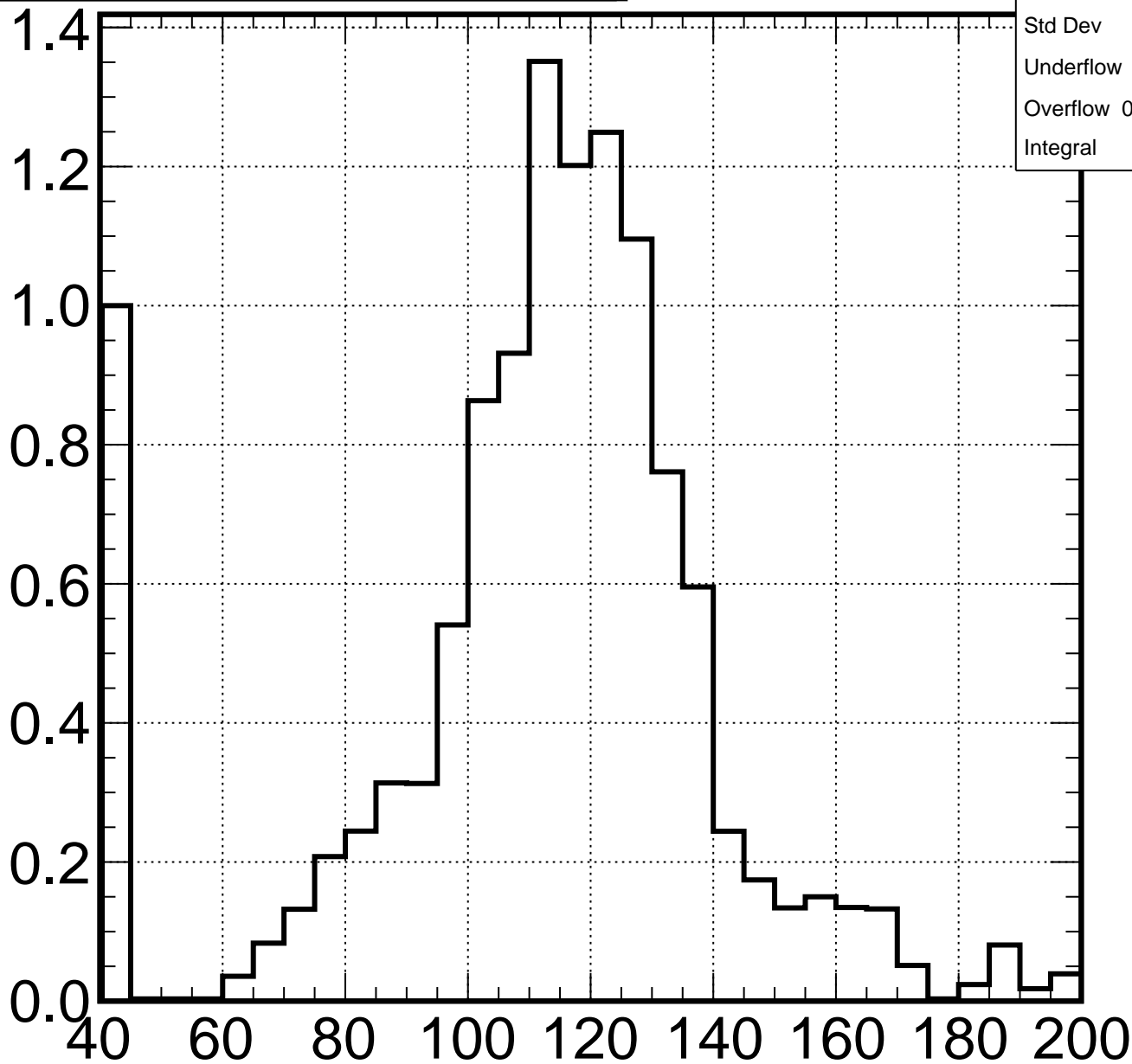
h_minhiggsM_pass_M



h_minhiggsM_pass_T

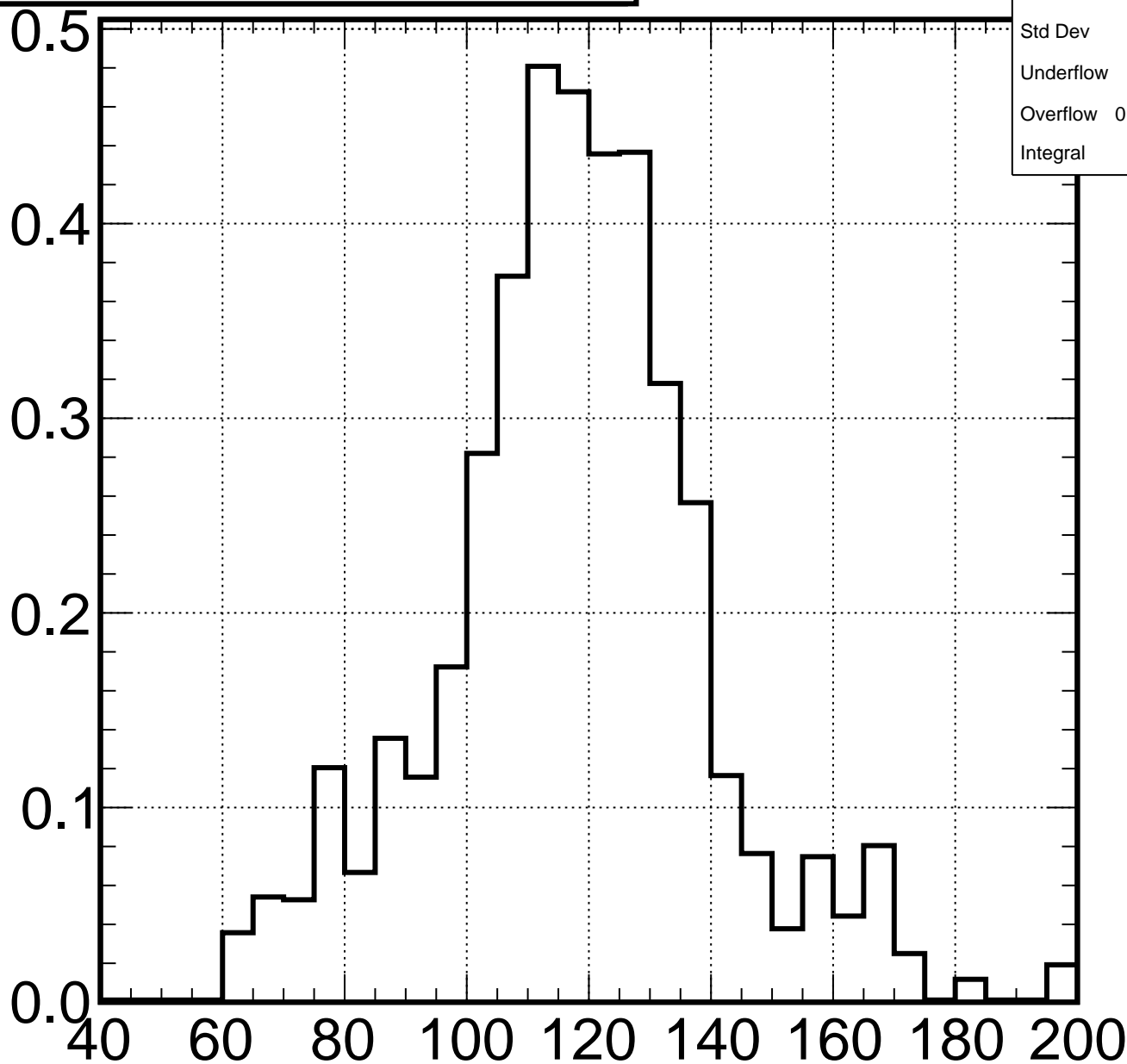


h_minhiggsM_ratio_L

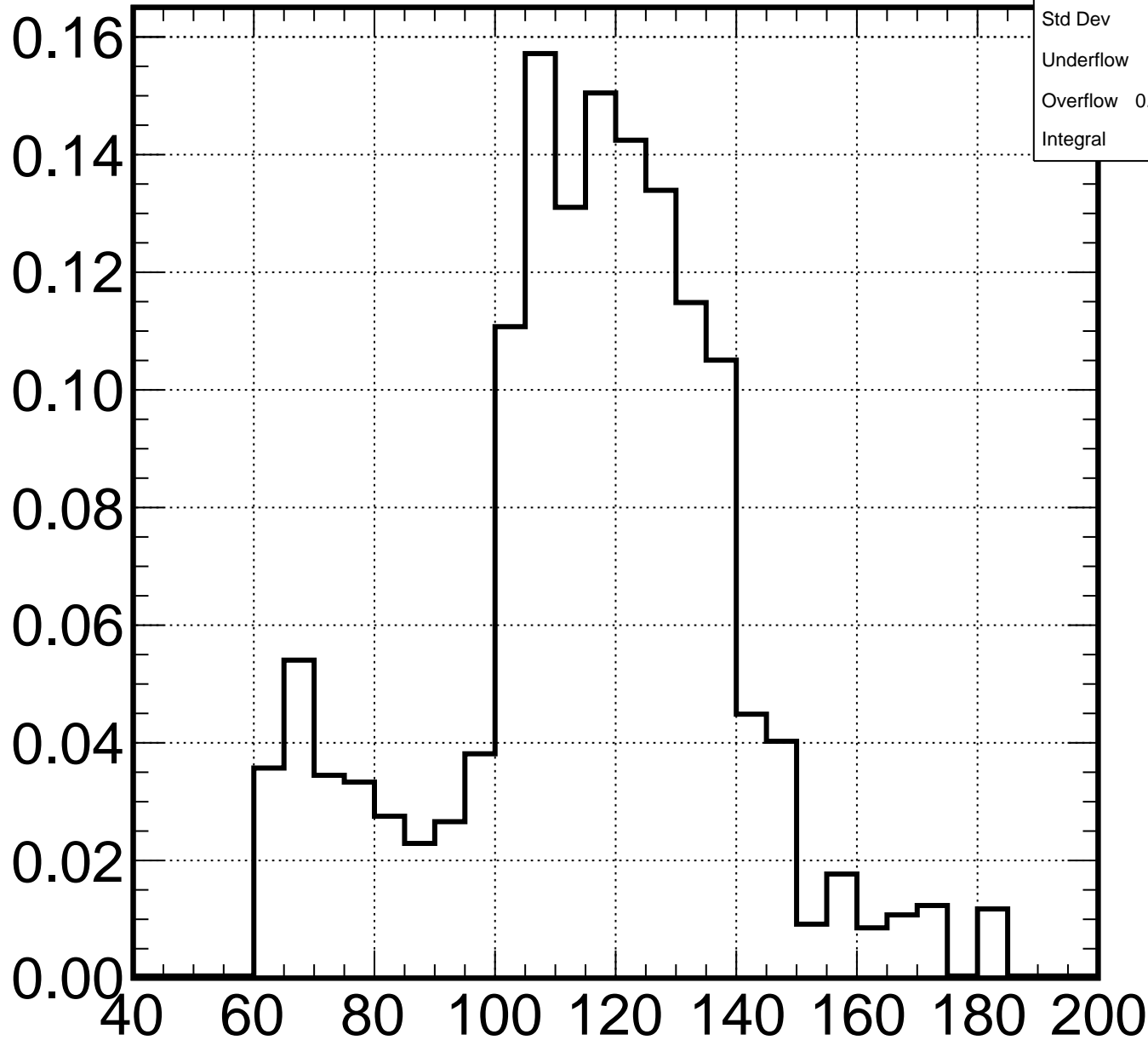


h_minhiggsM_ratio_L	
Mean	111.6
Std Dev	29.18
Underflow	0
Overflow	0.02793
Integral	12.1

h_minhiggsM_ratio_M

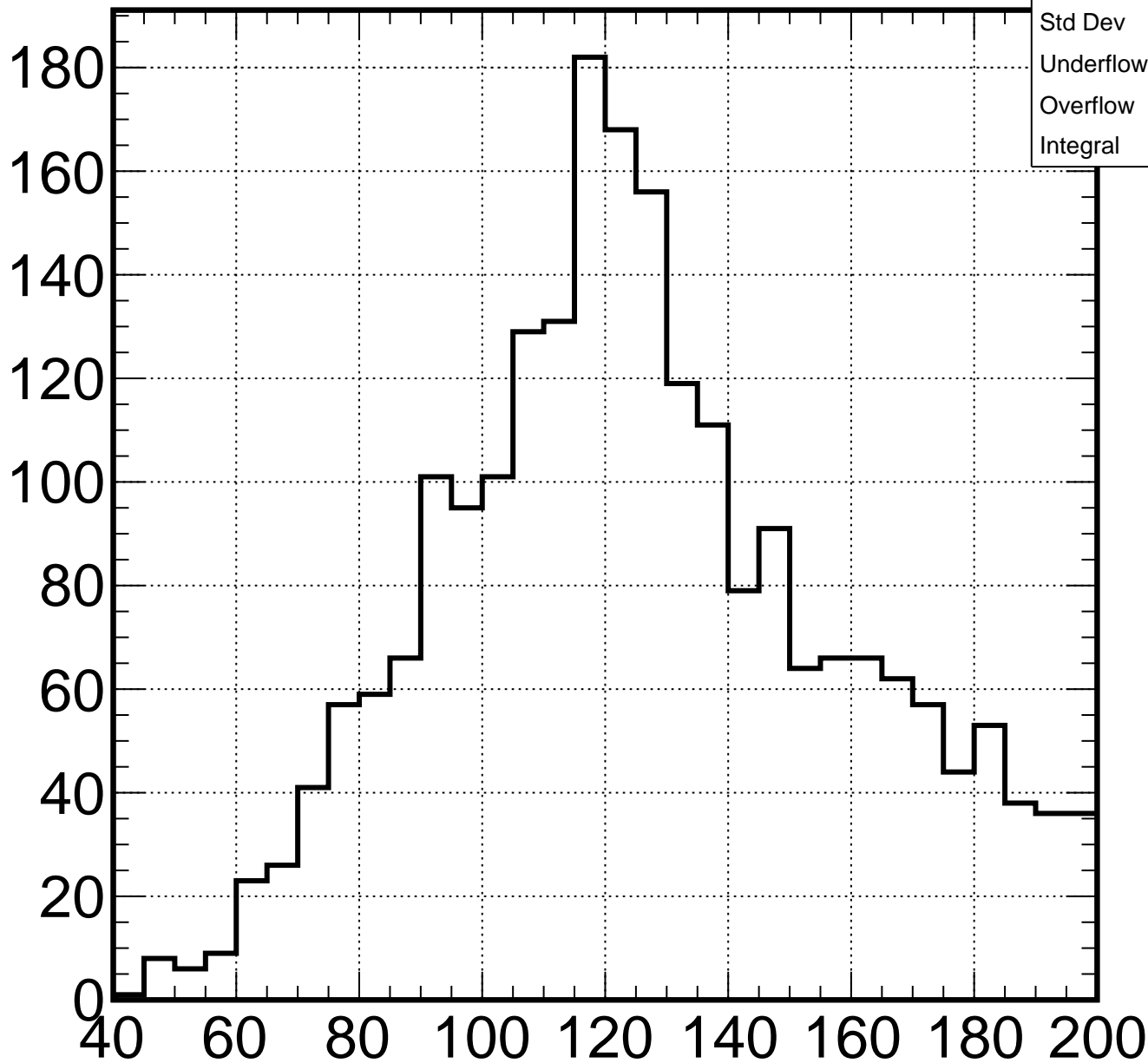


h_minhiggsM_ratio_T



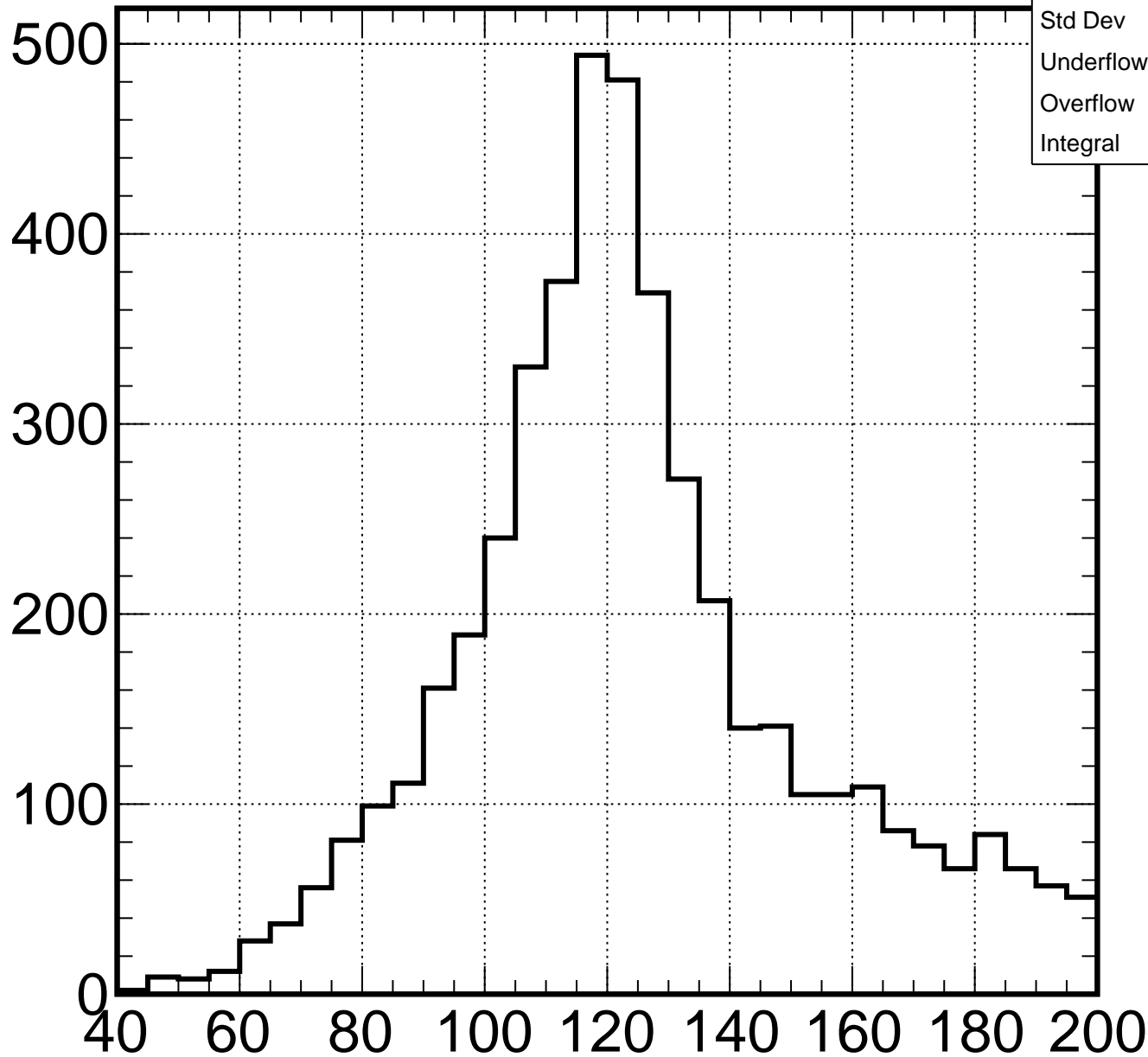
h_minhiggsM_ratio_T	
Mean	115.5
Std Dev	23.45
Underflow	0
Overflow	0.003636
Integral	1.474

h_meanhiggsM_fail_L



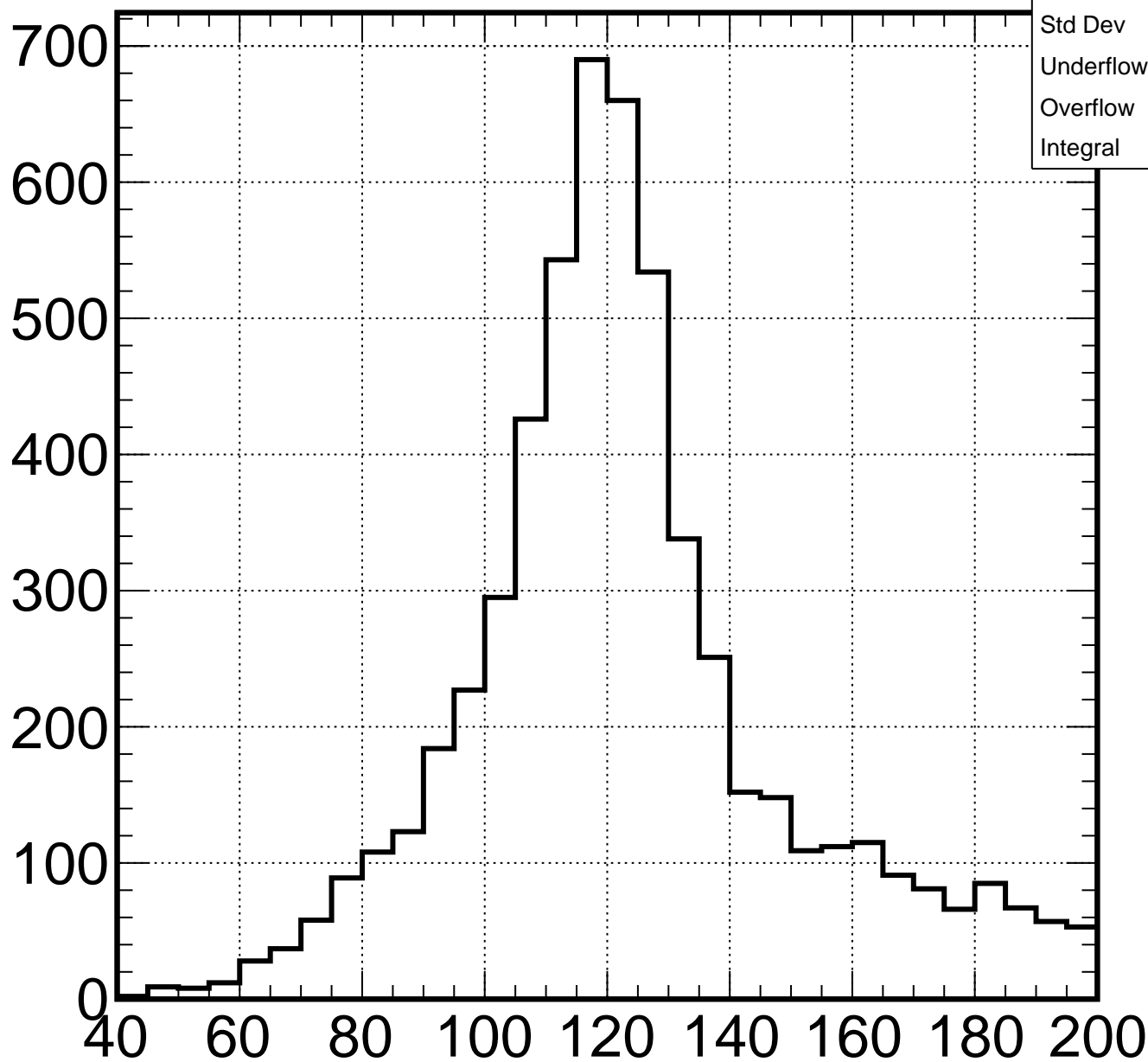
h_meanhiggsM_fail_L	
Mean	126
Std Dev	32.36
Underflow	1
Overflow	297
Integral	2281

h_meanhiggsM_fail_M



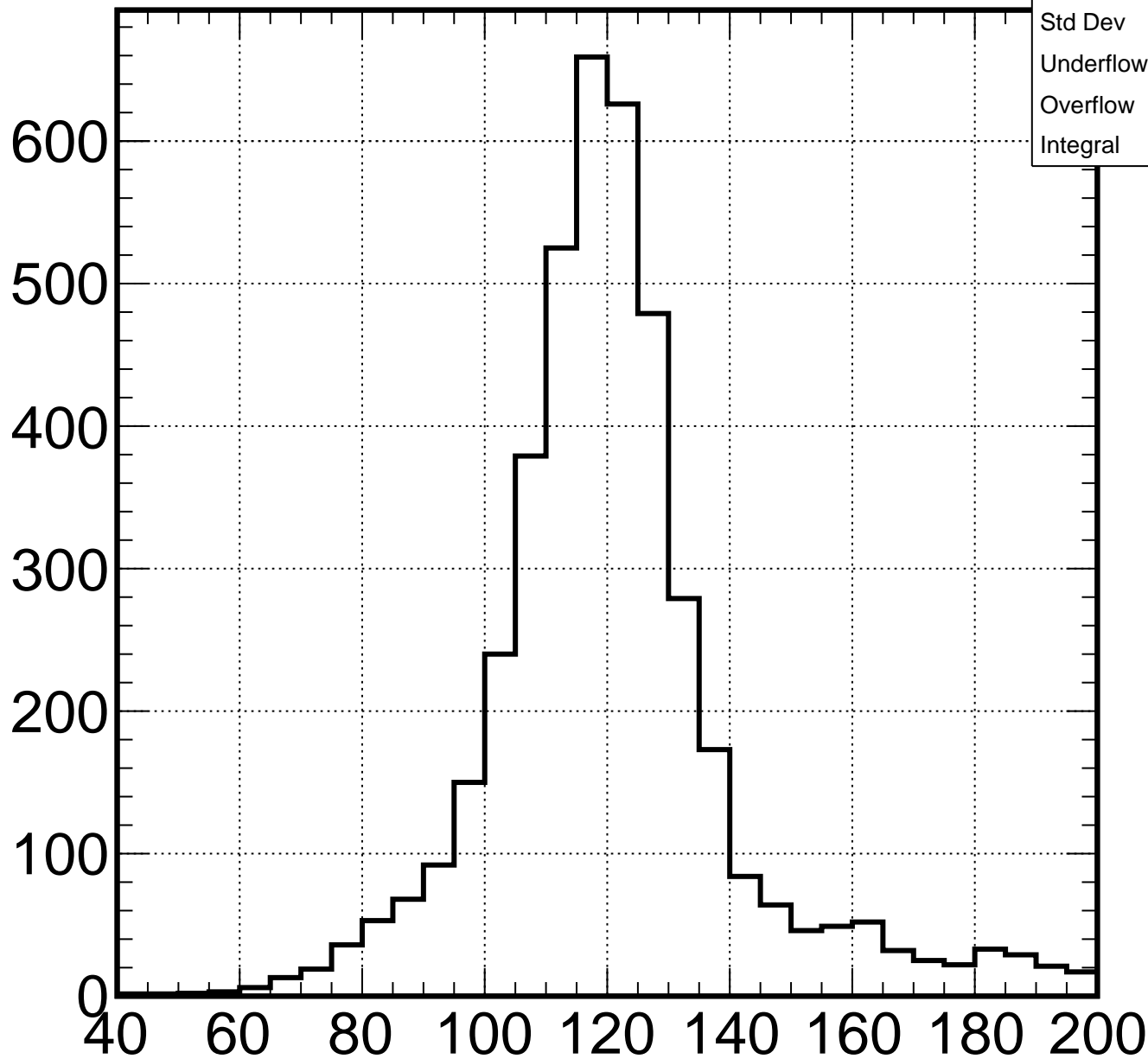
h_meanhiggsM_fail_M	
Mean	124.2
Std Dev	28.5
Underflow	1
Overflow	544
Integral	4648

h_meanhiggsM_fail_T

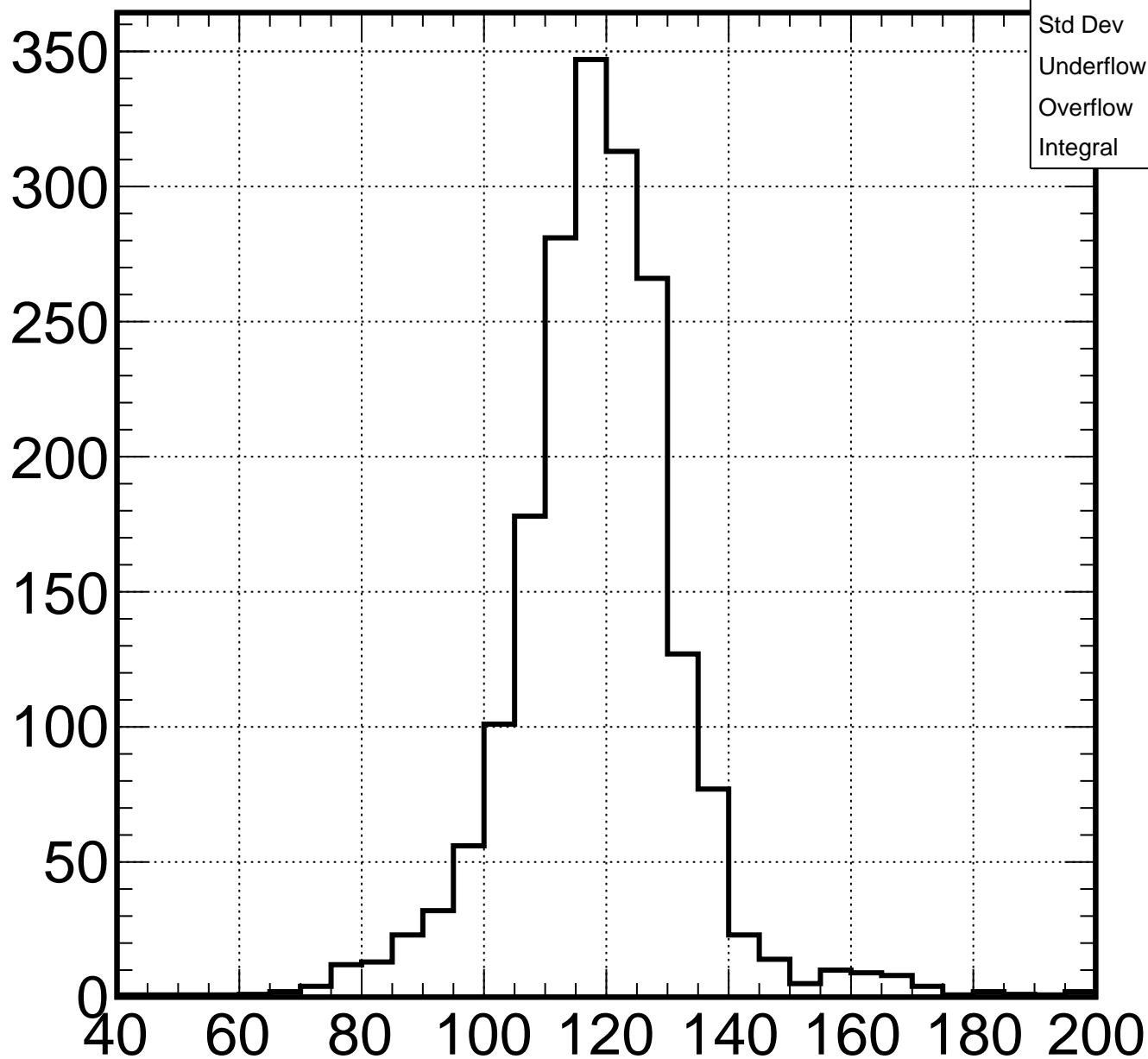


h_meanhiggsM_fail_T	
Mean	123.2
Std Dev	26.46
Underflow	1
Overflow	550
Integral	5758

h_meanhiggsM_pass_L

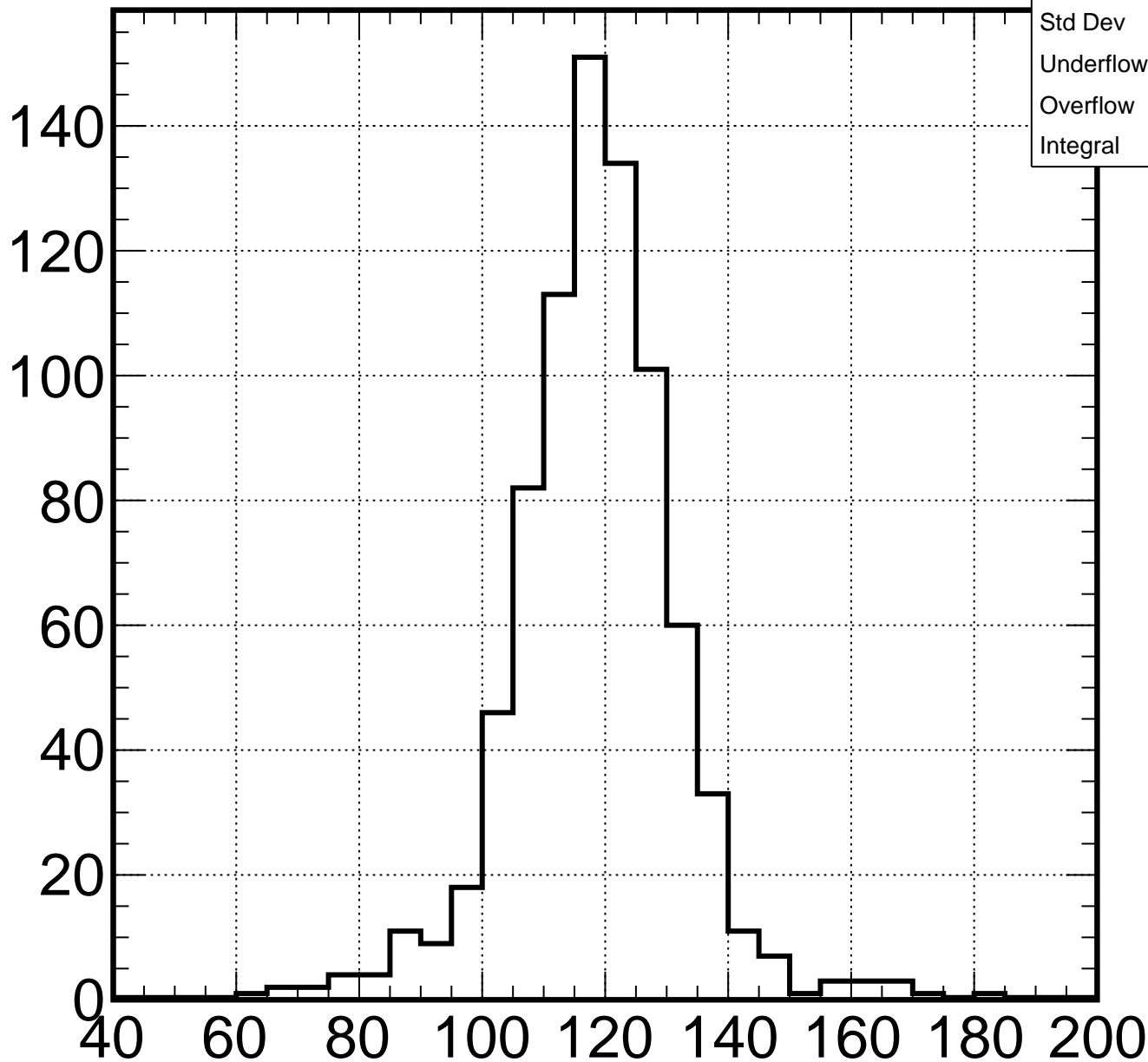


h_meanhiggsM_pass_M



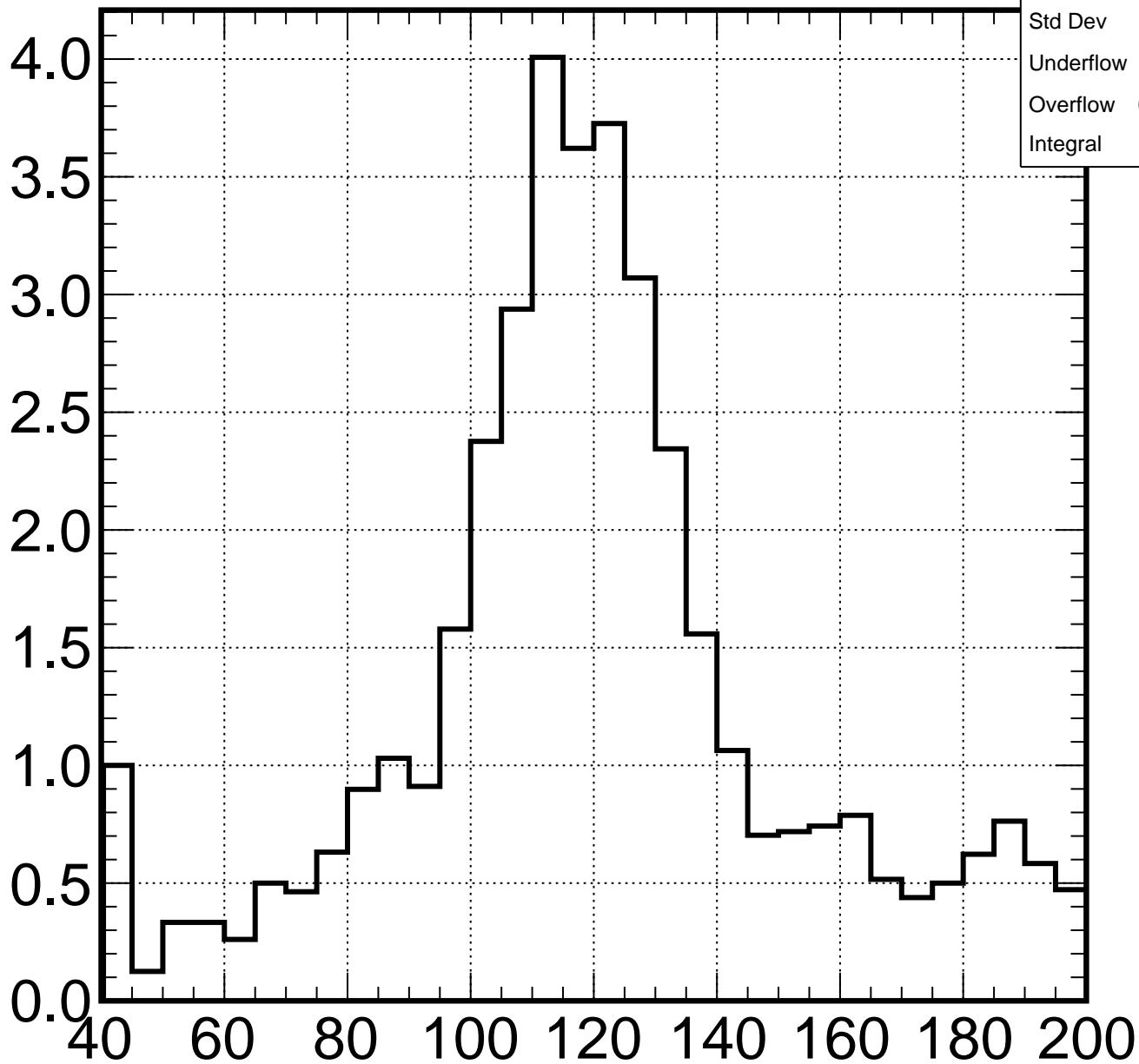
h_meanhiggsM_pass_M	
Mean	118.6
Std Dev	14.01
Underflow	0
Overflow	8
Integral	1911

h_meanhiggsM_pass_T



h_meanhiggsM_pass_T	
Mean	118.4
Std Dev	13.48
Underflow	0
Overflow	2
Integral	801

h_meanhiggsM_ratio_L

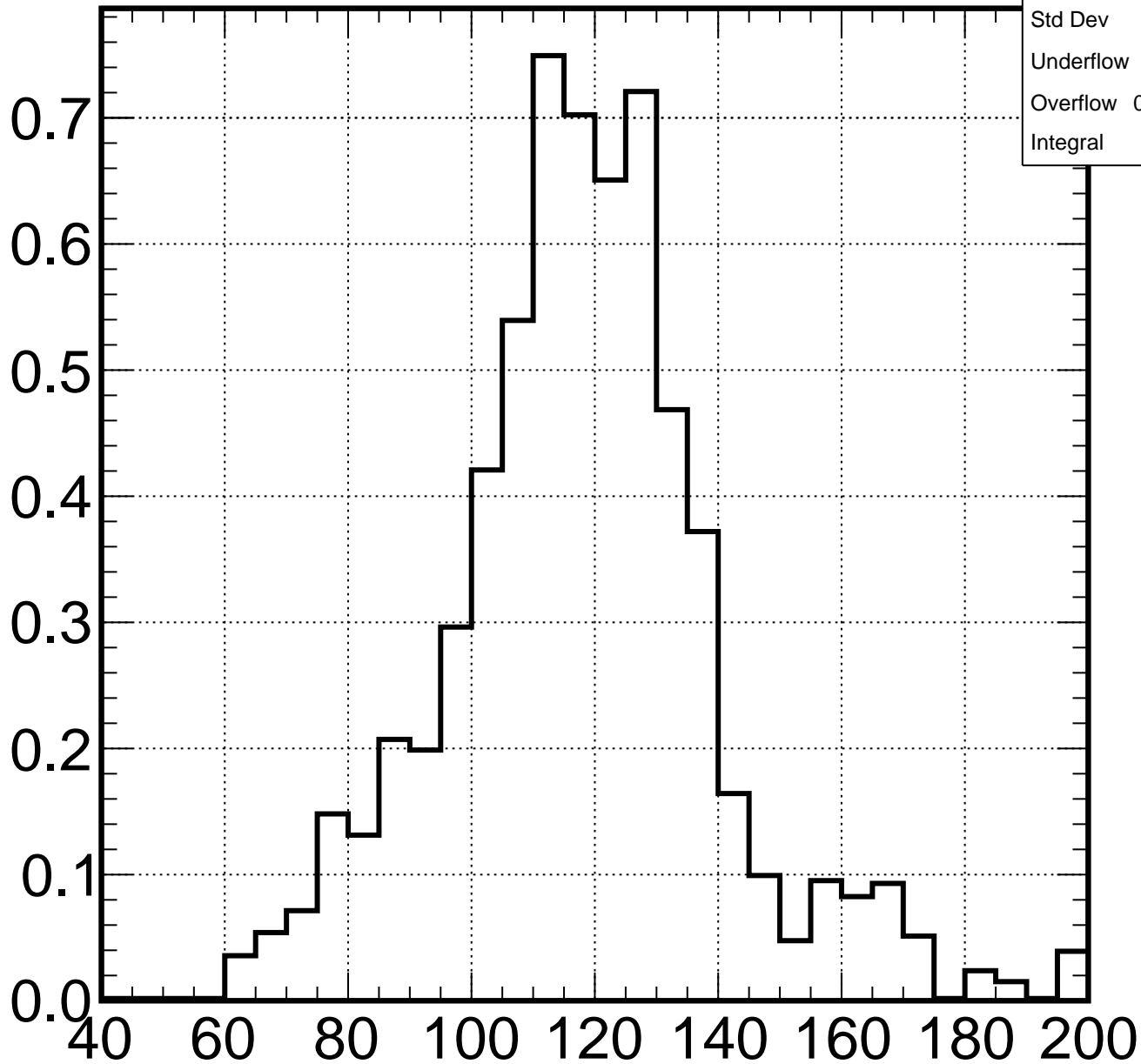


h_meanhiggsM_ratio_L	
Mean	119.9
Std Dev	31.92
Underflow	0
Overflow	0.8586
Integral	39.62

h_meanhiggsM_ratio_M

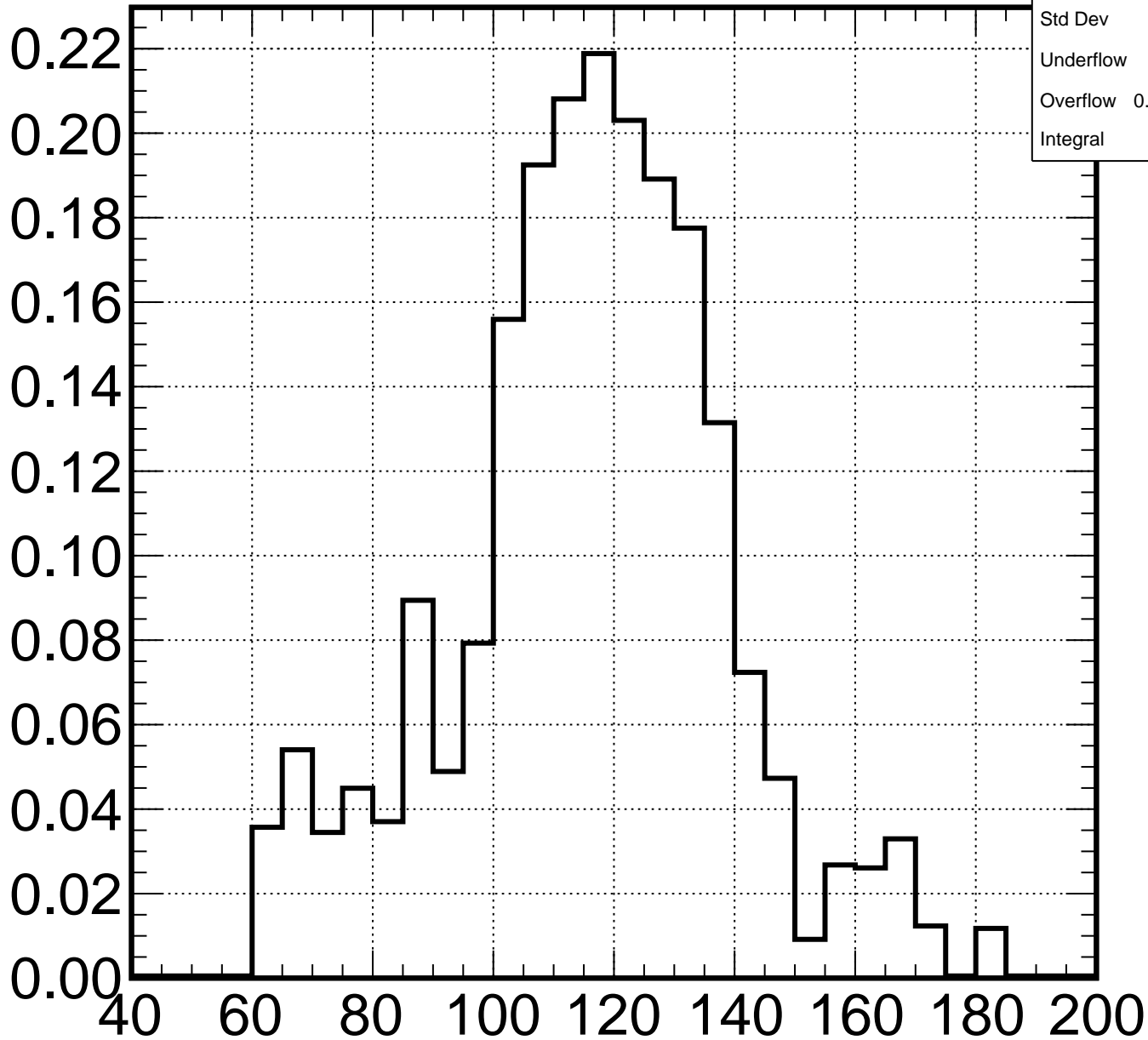
h_meanhiggsM_ratio_M

Mean	118
Std Dev	21.9
Underflow	0
Overflow	0.01471
Integral	6.479

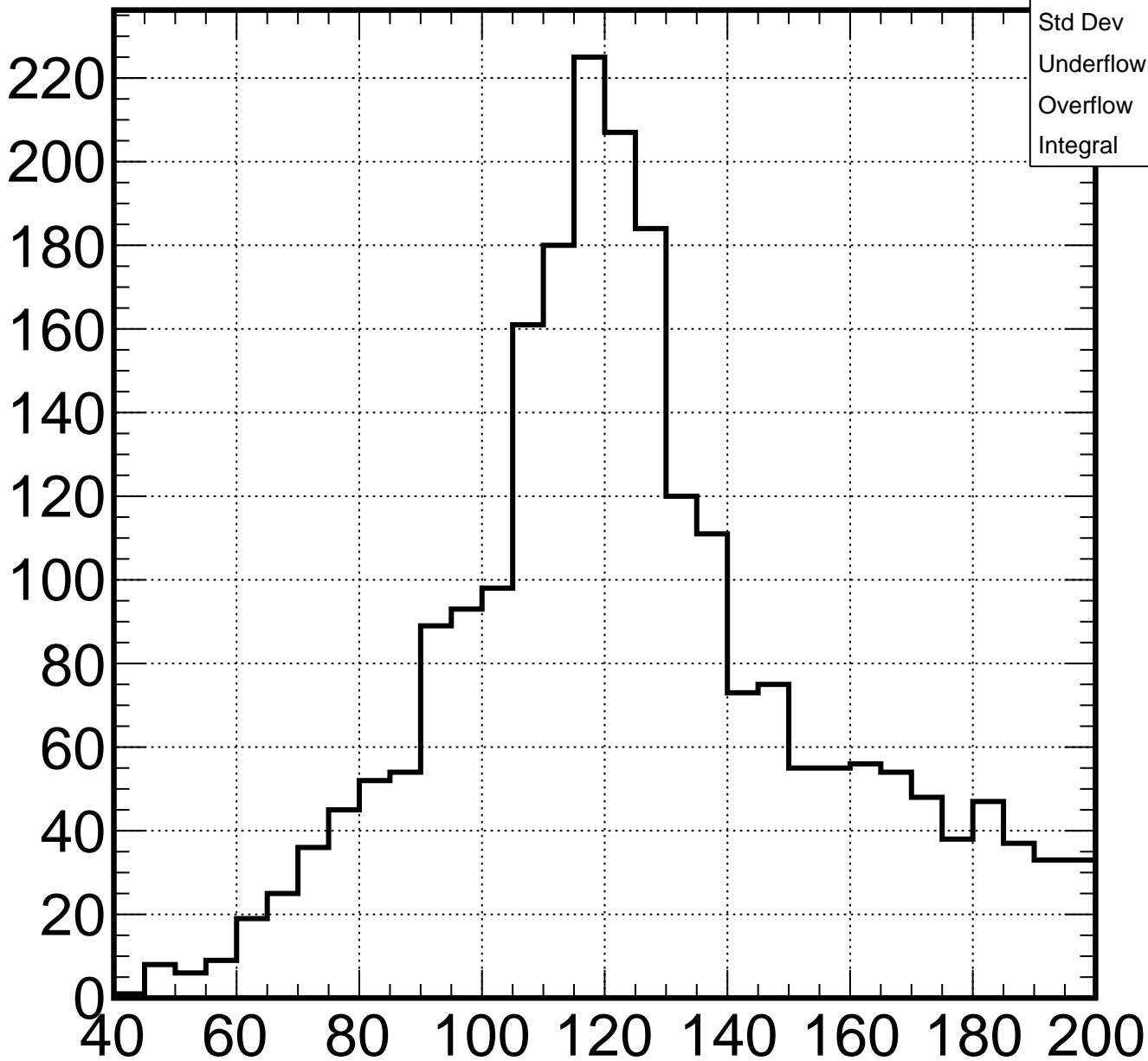


h_meanhiggsM_ratio_T

h_meanhiggsM_ratio_T	
Mean	116.1
Std Dev	22.77
Underflow	0
Overflow	0.003636
Integral	2.139



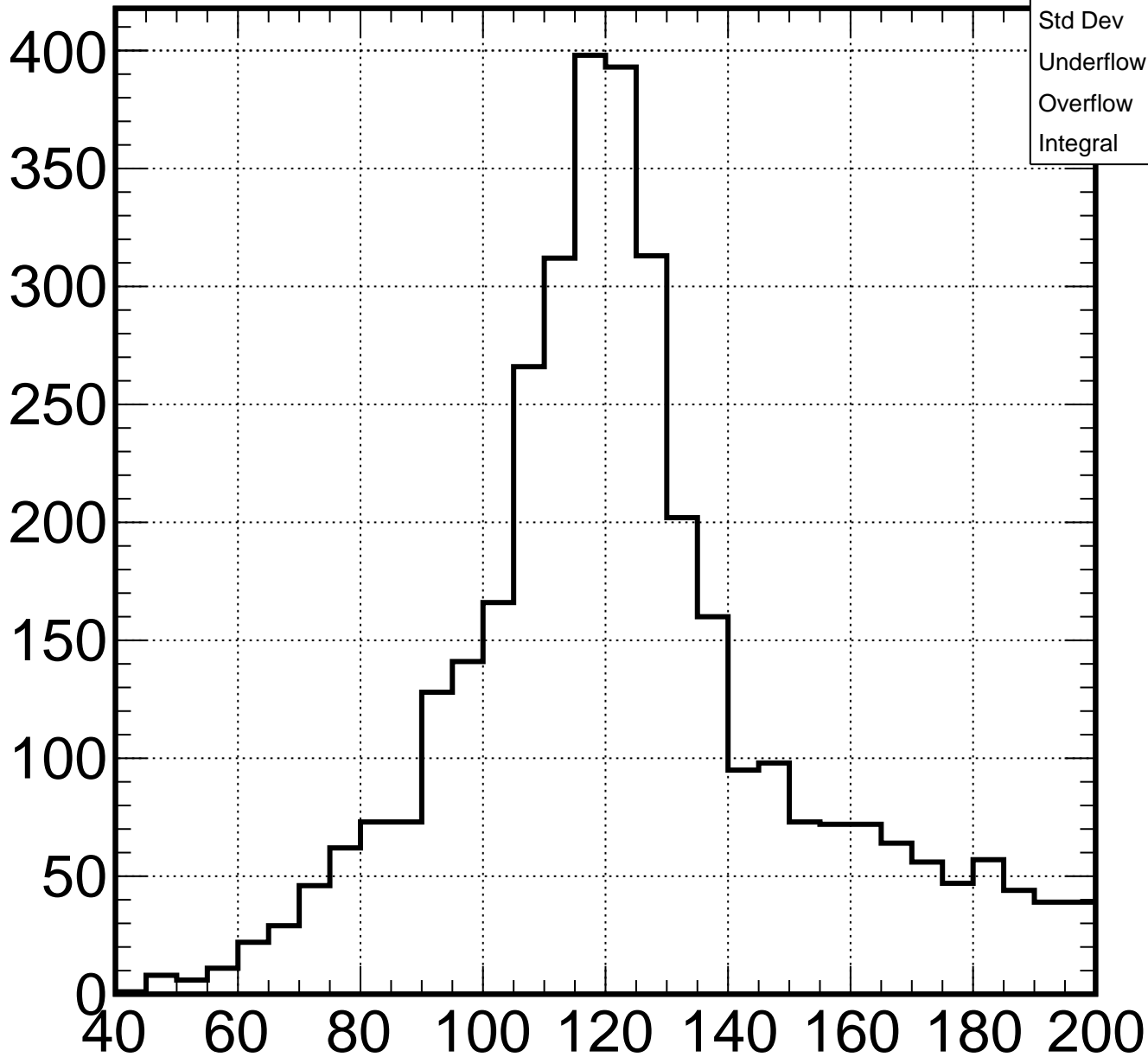
h_highPthiggsM_fail_L



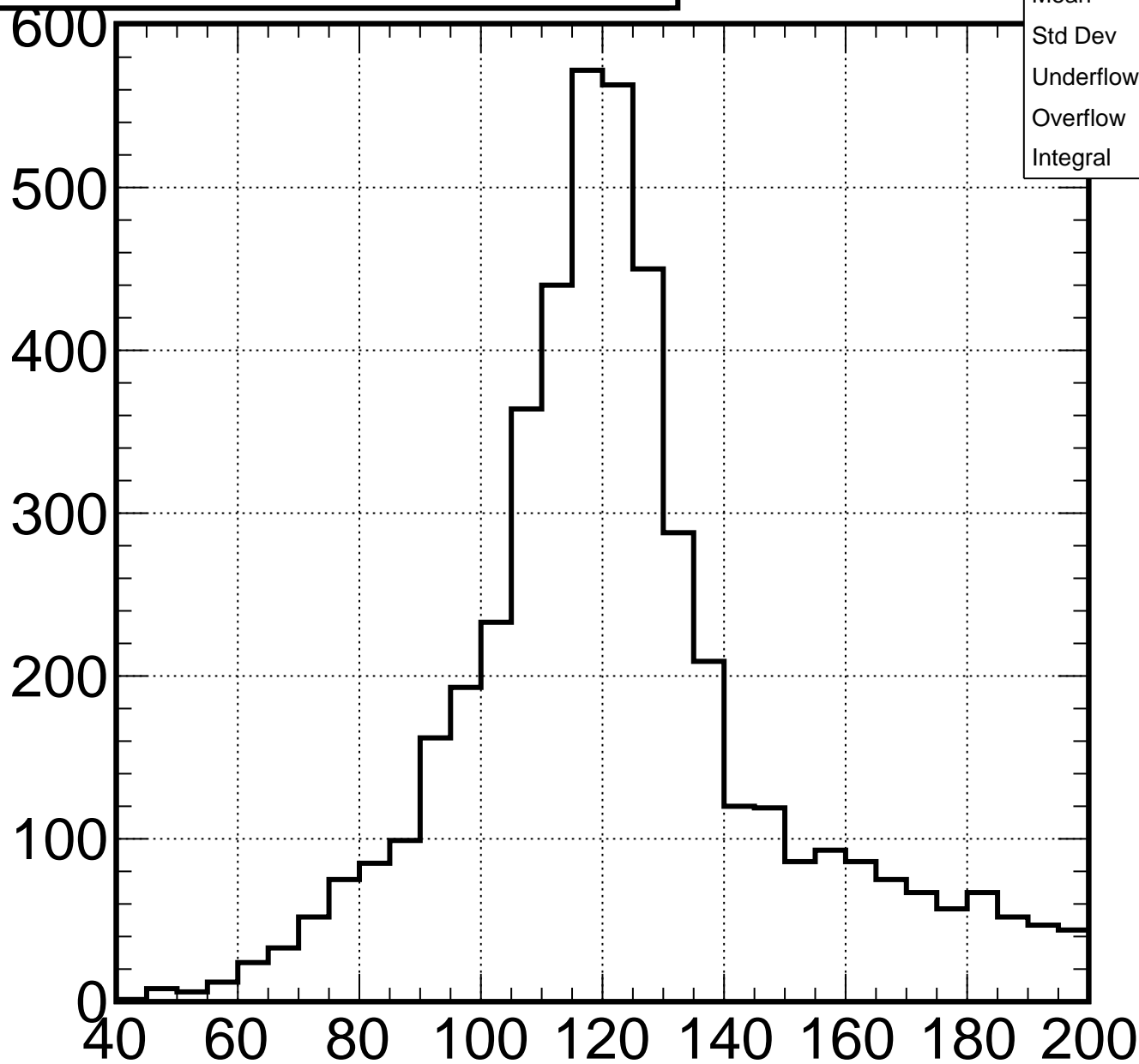
h_highPthiggsM_fail_L	
Mean	124.9
Std Dev	30.48
Underflow	1
Overflow	366
Integral	2327

h_highPthiggsM_fail_M

h_highPthiggsM_fail_M	
Mean	123.4
Std Dev	27.81
Underflow	1
Overflow	424
Integral	3566



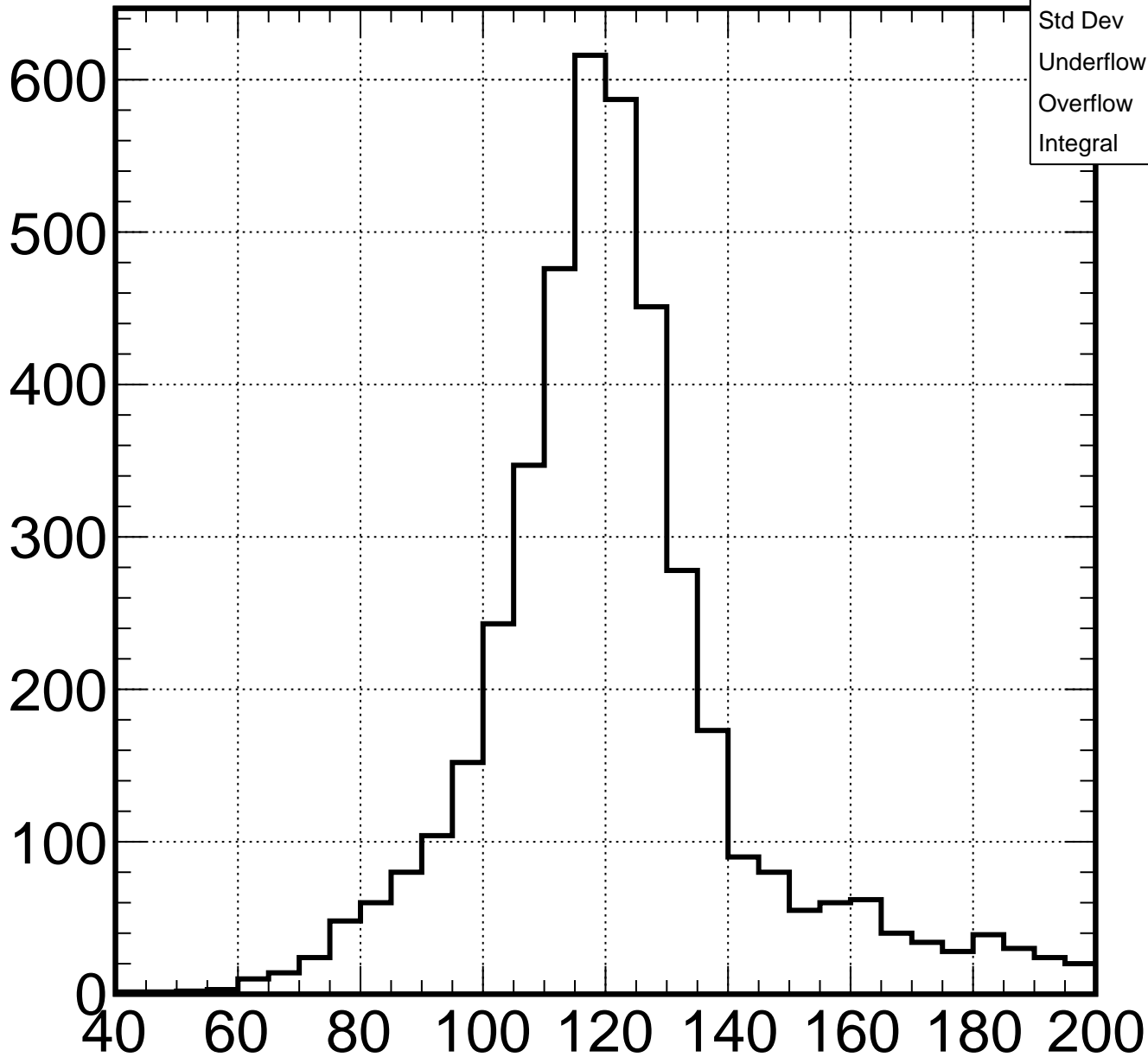
h_highPthiggsM_fail_T



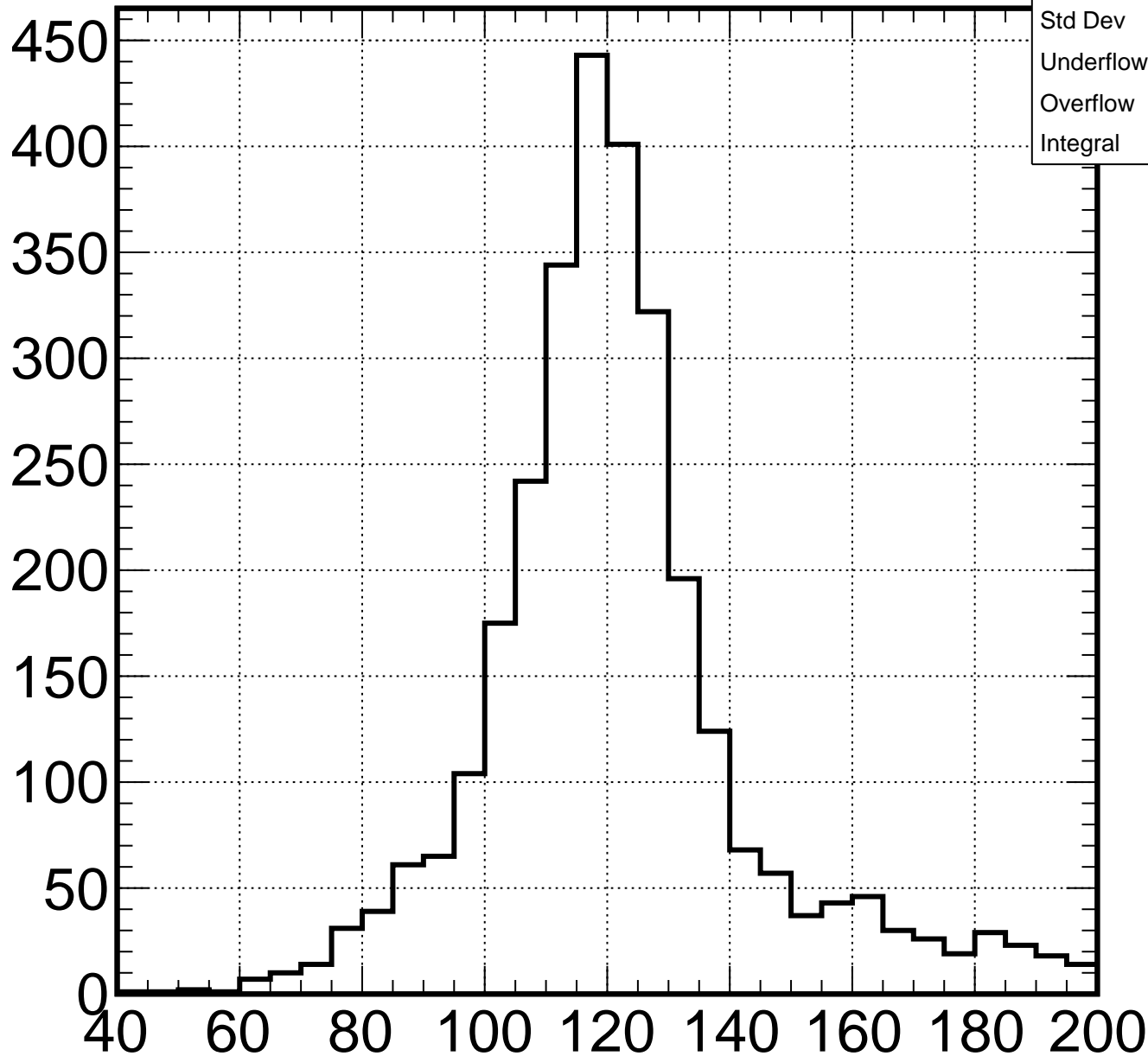
h_highPthiggsM_fail_T	
Mean	122.9
Std Dev	26.37
Underflow	1
Overflow	483
Integral	4782

h_highPthiggsM_pass_L

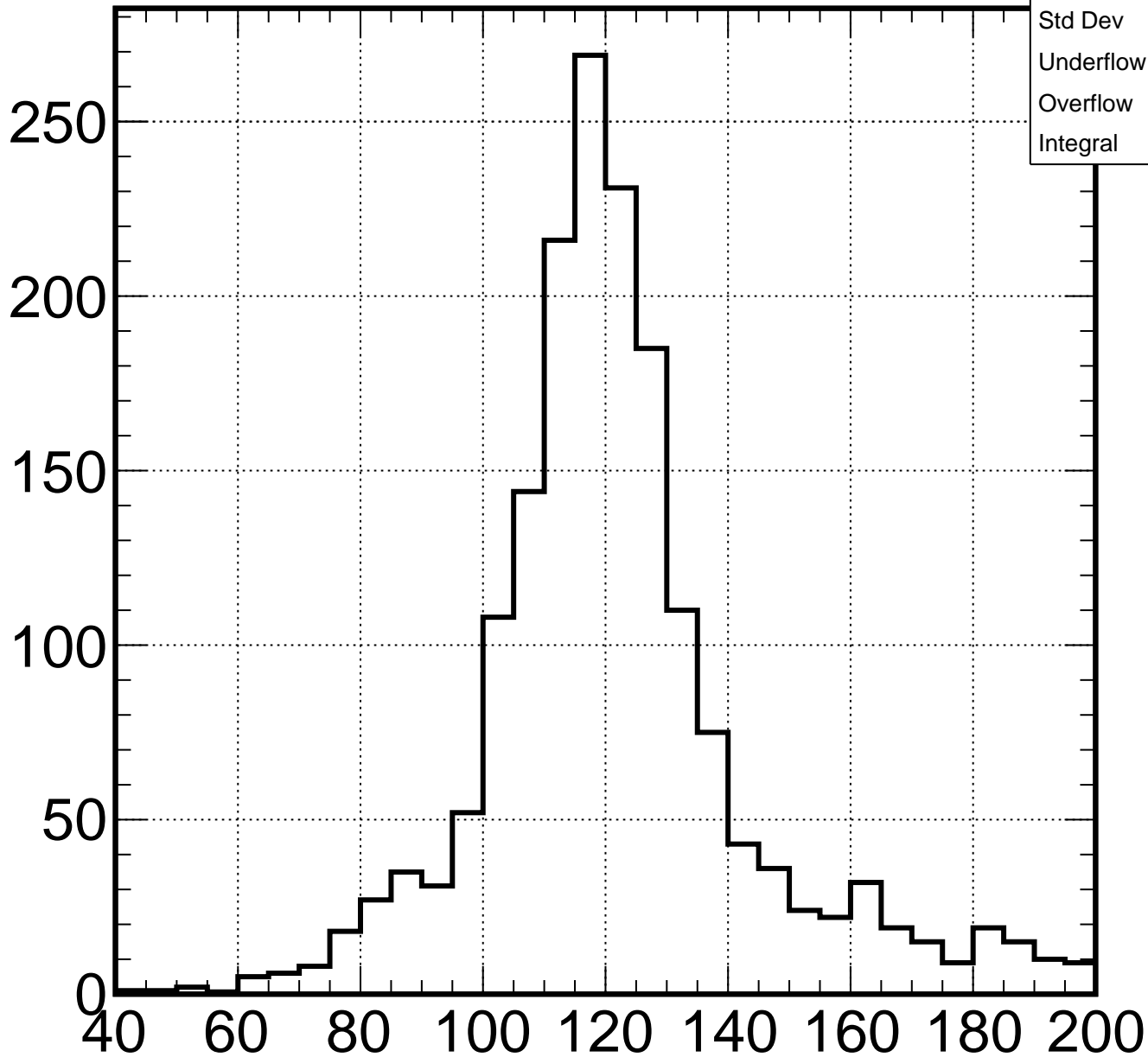
h_highPthiggsM_pass_L	
Mean	121.3
Std Dev	21.81
Underflow	0
Overflow	186
Integral	4232



h_highPthiggsM_pass_M

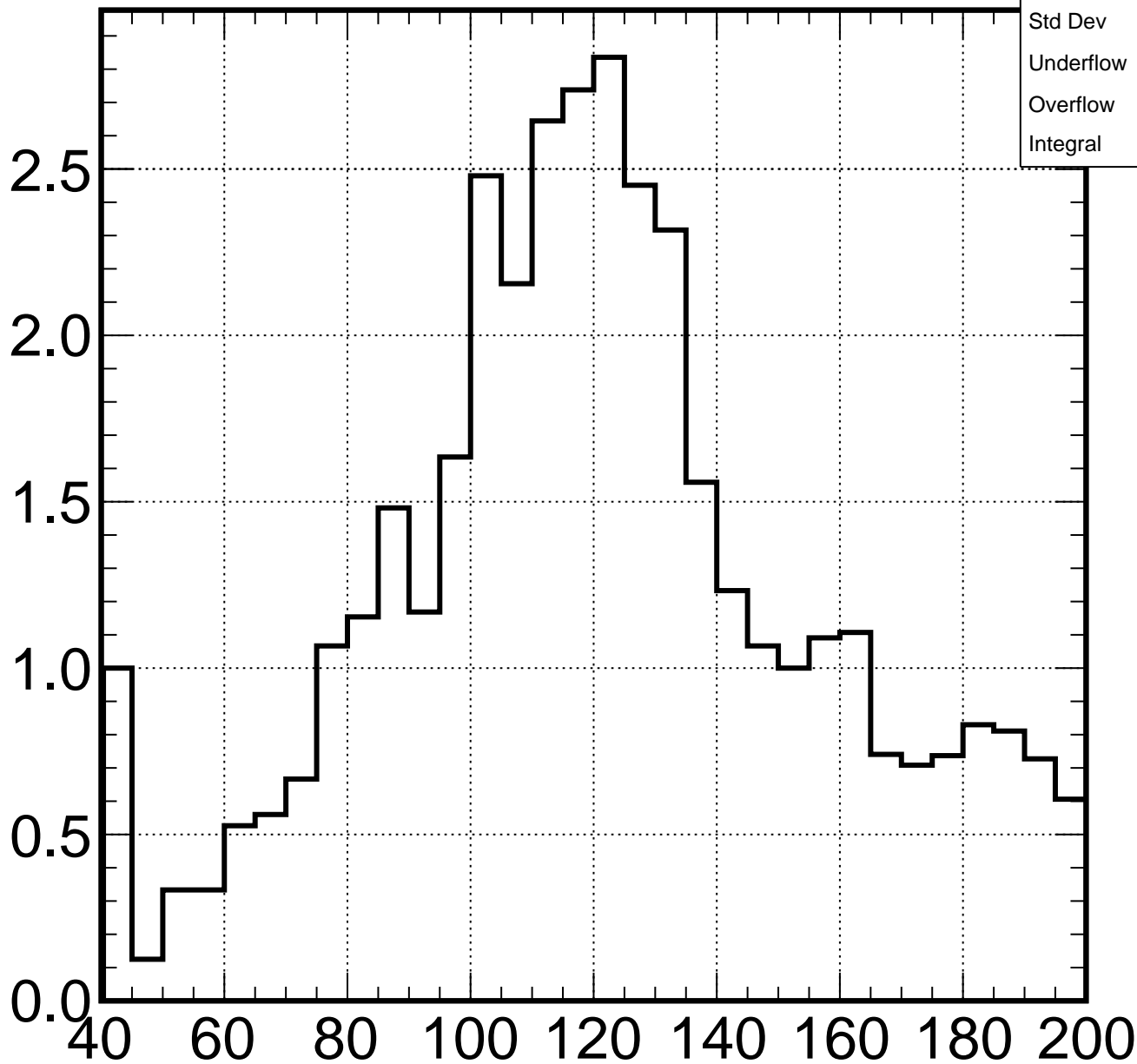


h_highPthiggsM_pass_T



h_highPthiggsM_pass_T	
Mean	121.8
Std Dev	22.08
Underflow	0
Overflow	69
Integral	1777

h_highPthiggsM_ratio_L

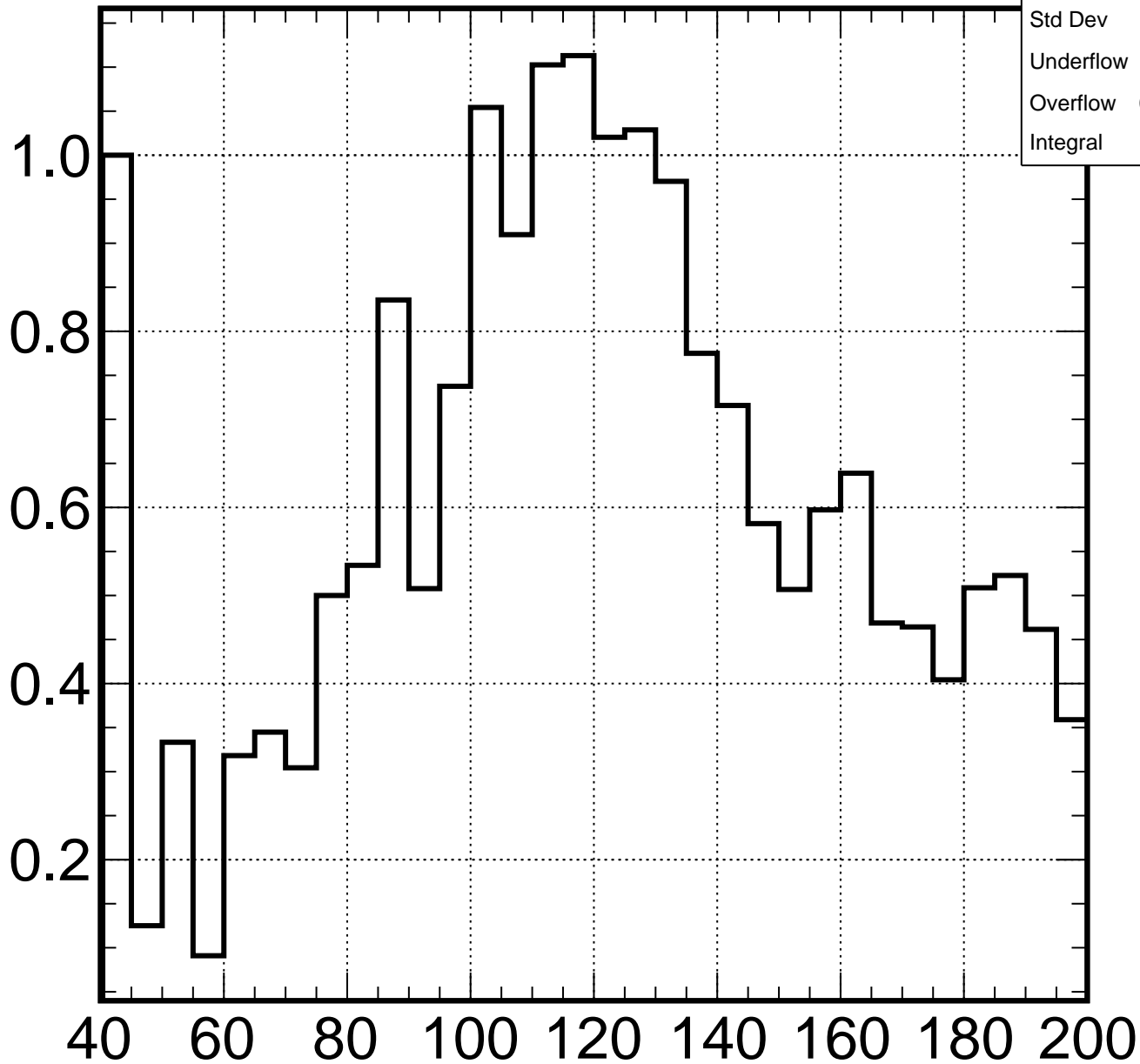


h_highPthiggsM_ratio_L	
Mean	121.4
Std Dev	35.32
Underflow	0
Overflow	0.5082
Integral	39.89

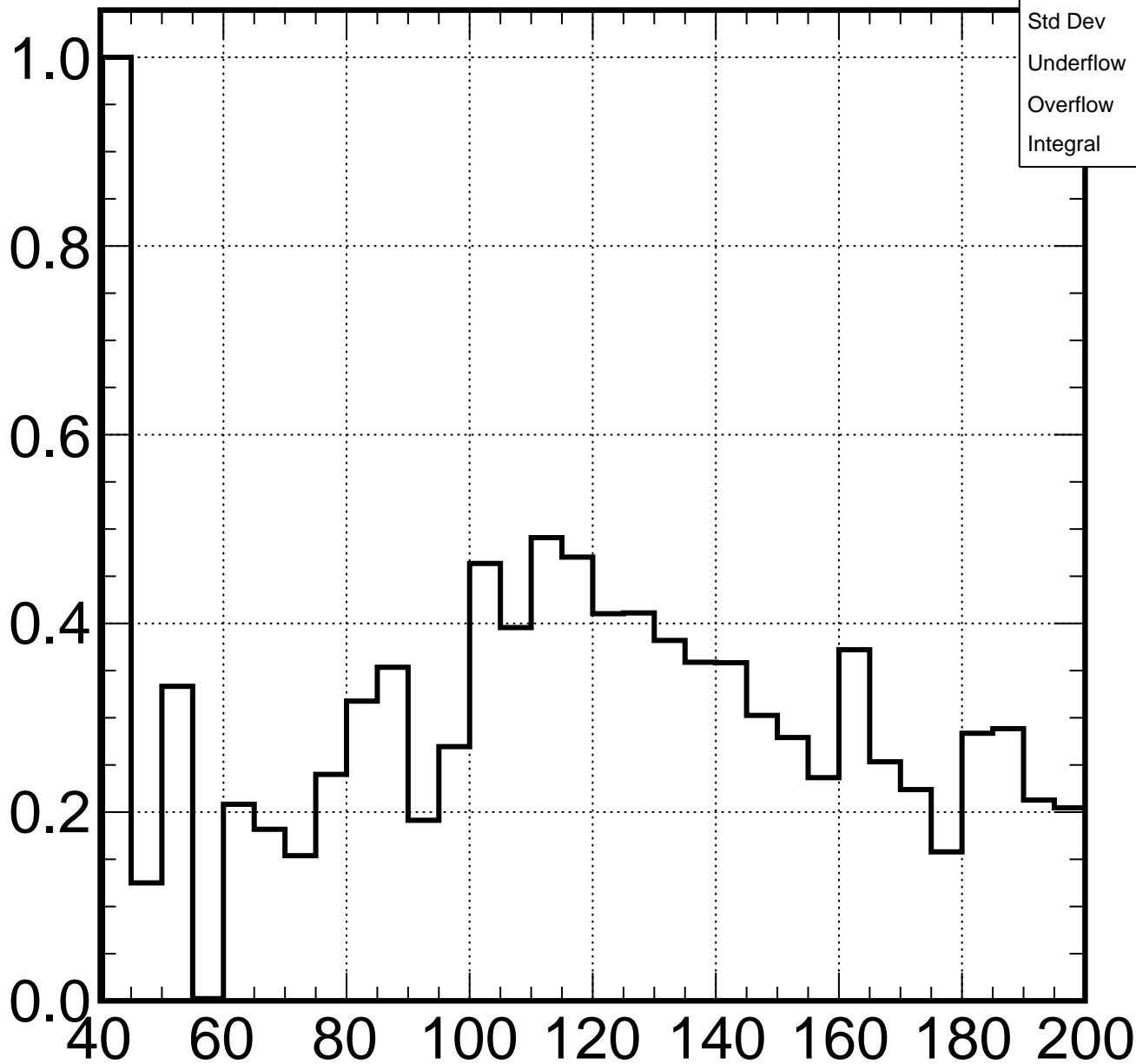
h_highPthiggsM_ratio_M

h_highPthiggsM_ratio_M

Mean	121.4
Std Dev	39.8
Underflow	0
Overflow	0.3019
Integral	19.84

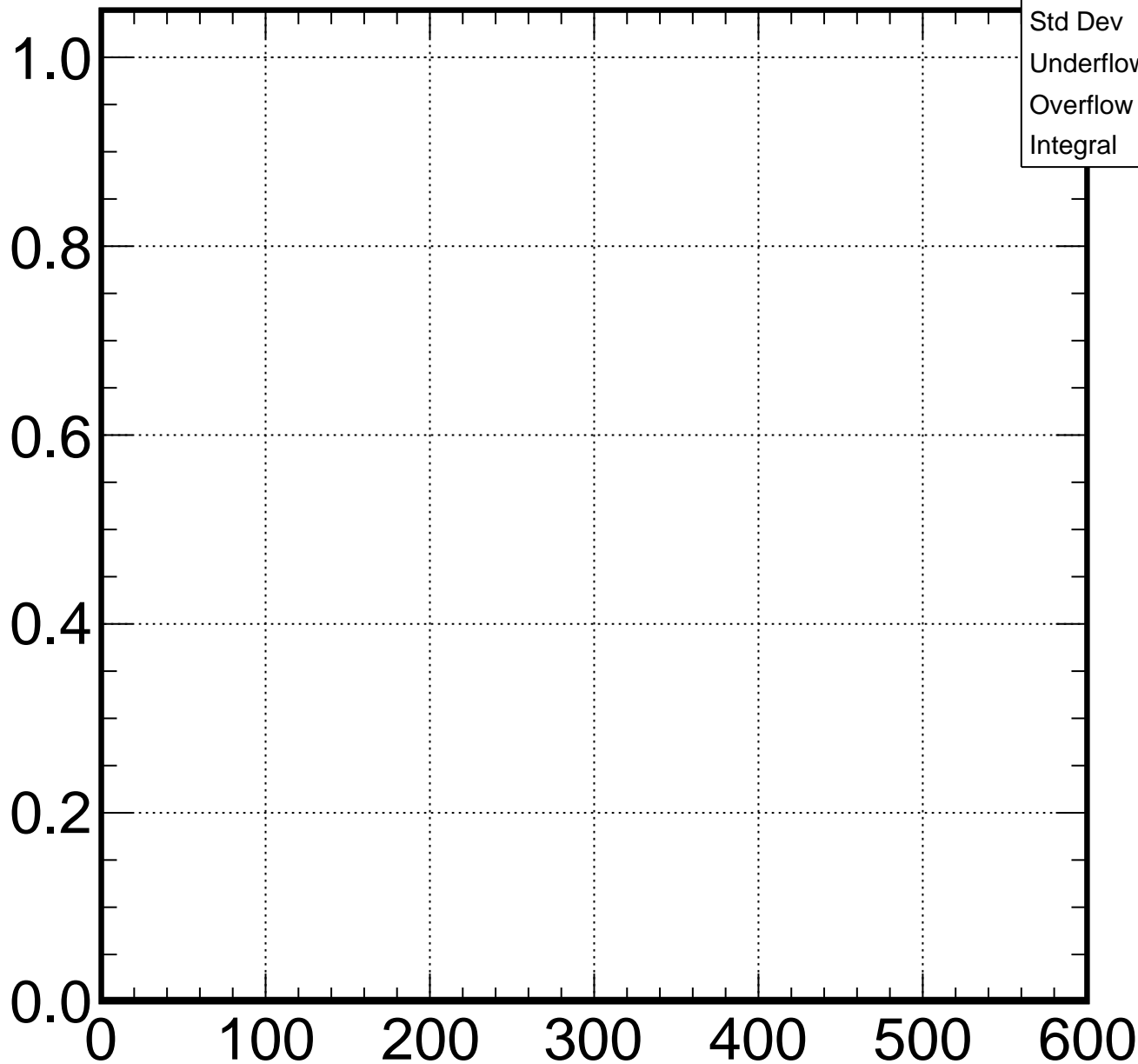


h_highPthiggsM_ratio_T



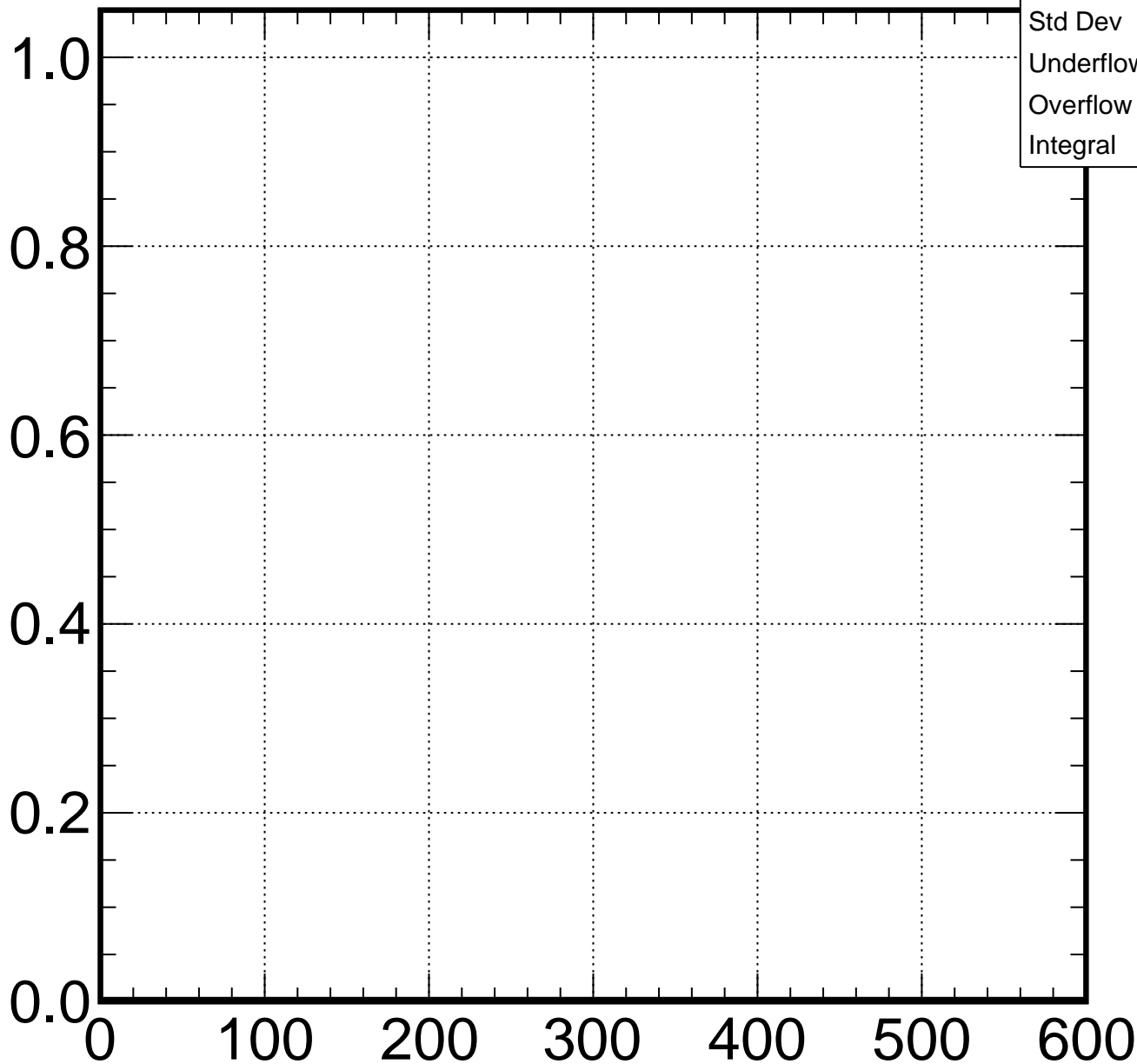
h_highPthiggsM_ratio_T	
Mean	116.6
Std Dev	44.6
Underflow	0
Overflow	0.1429
Integral	9.93

h_highPtA0M_fail_L



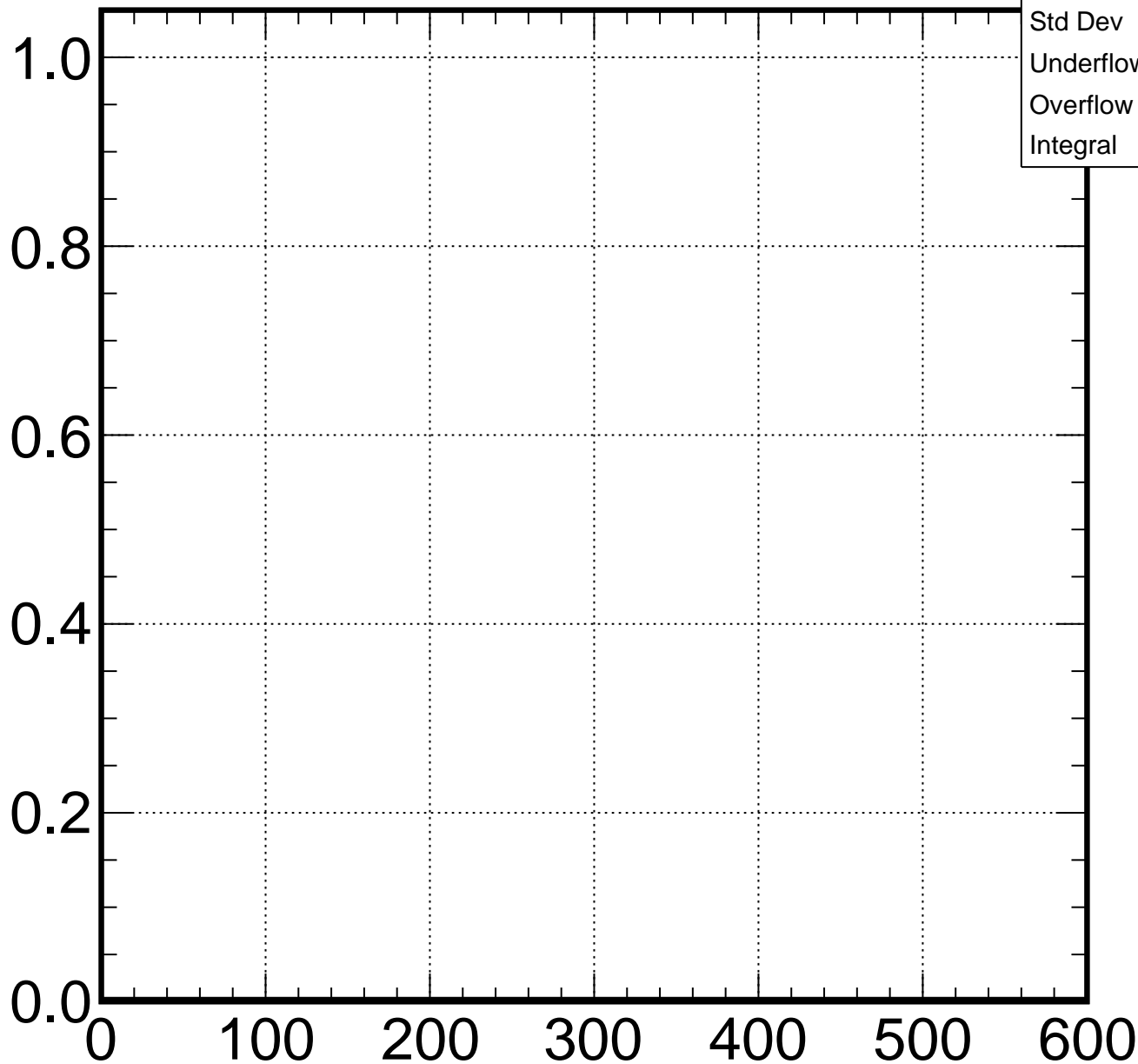
h_highPtA0M_fail_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_fail_M



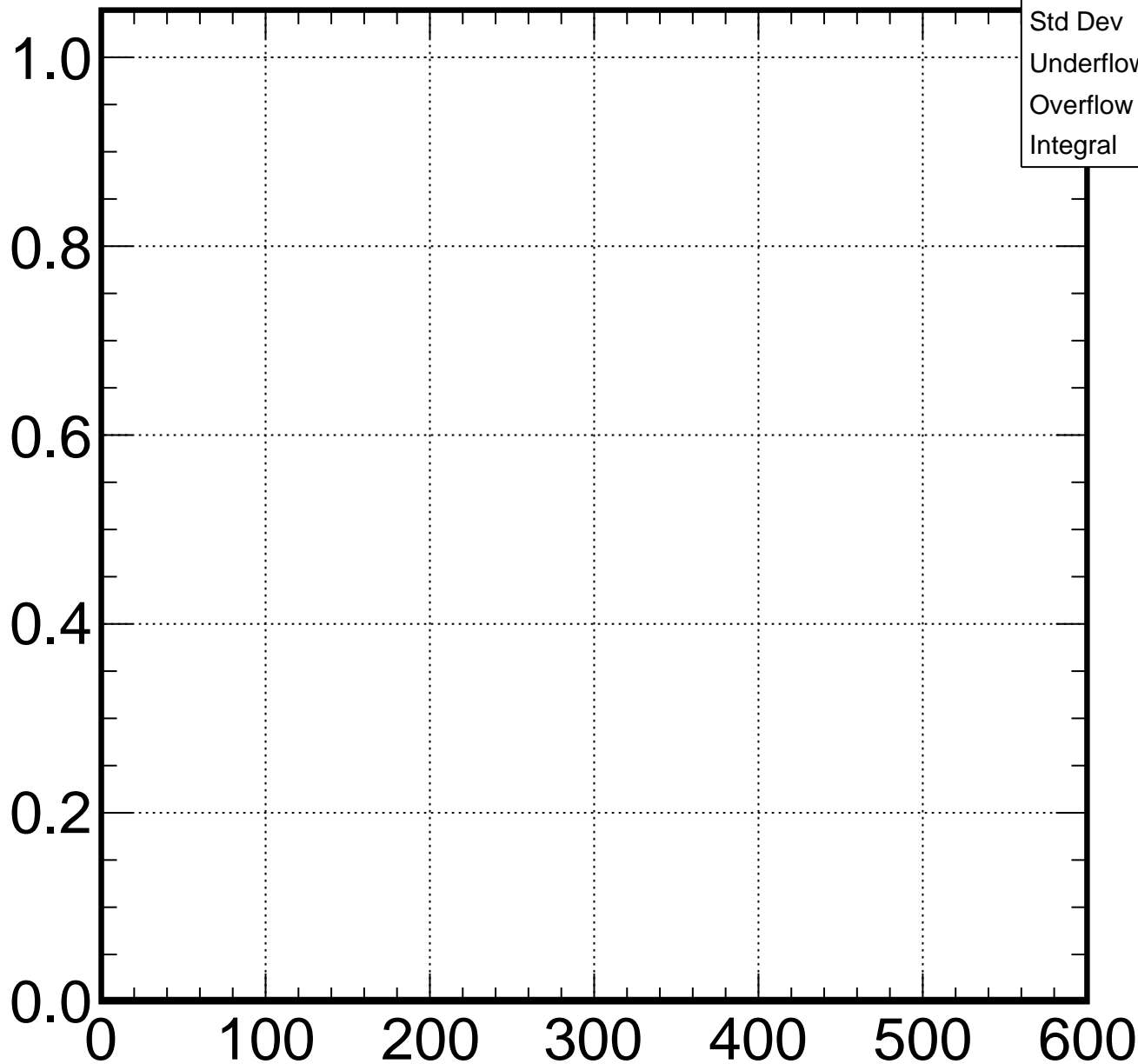
h_highPtA0M_fail_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_fail_T



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

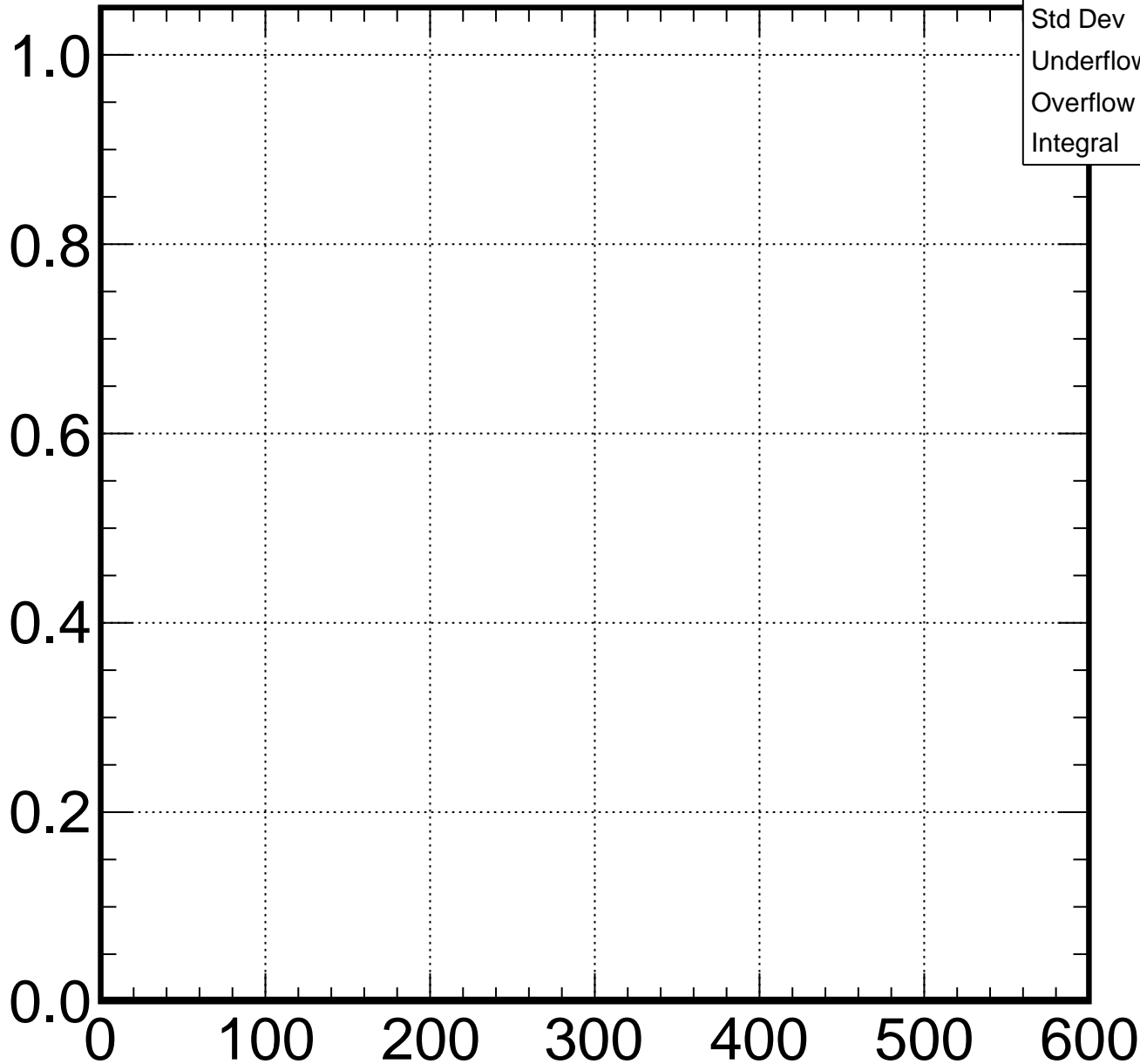
h_highPtA0M_pass_L



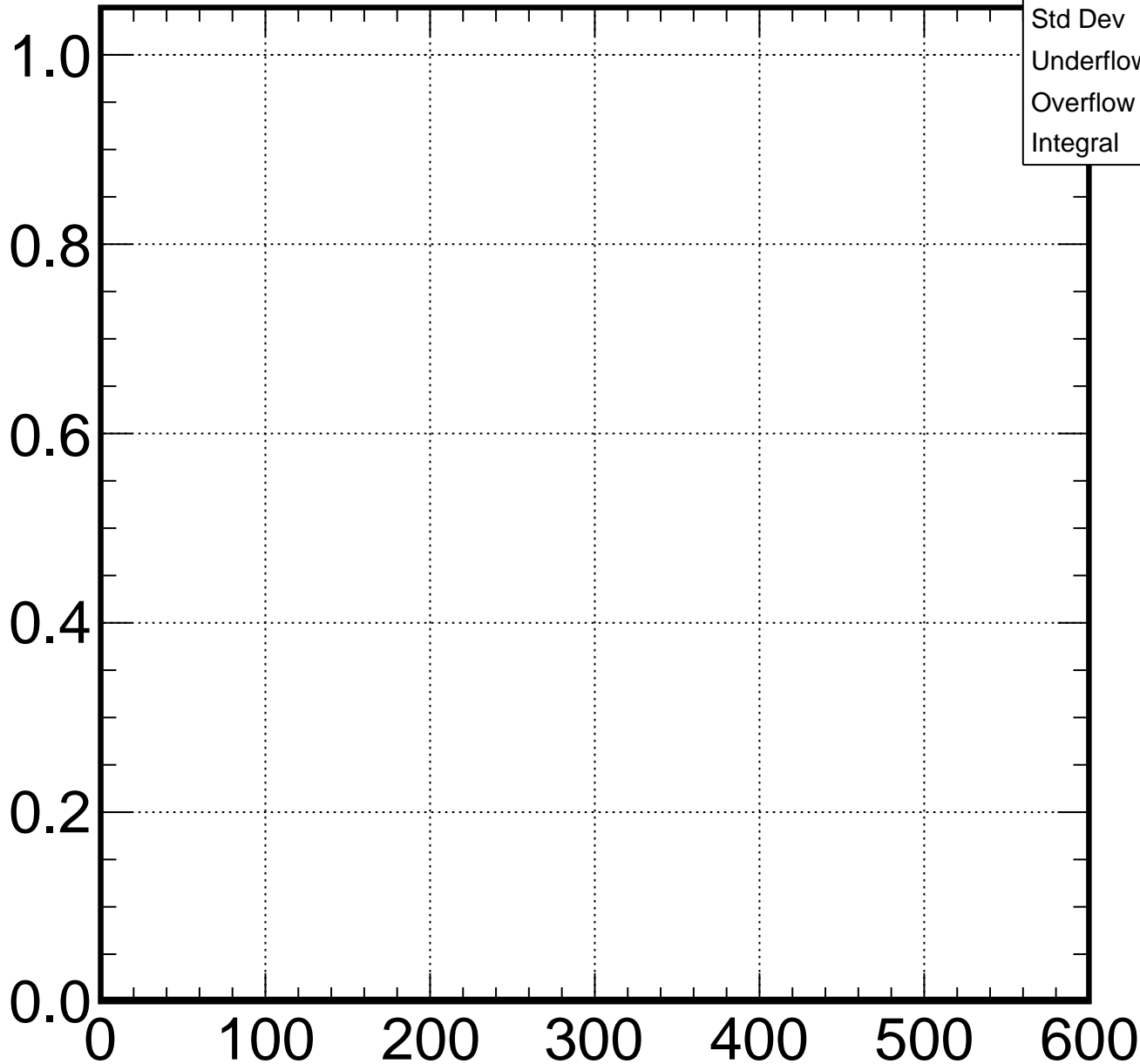
h_highPtA0M_pass_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_pass_M

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

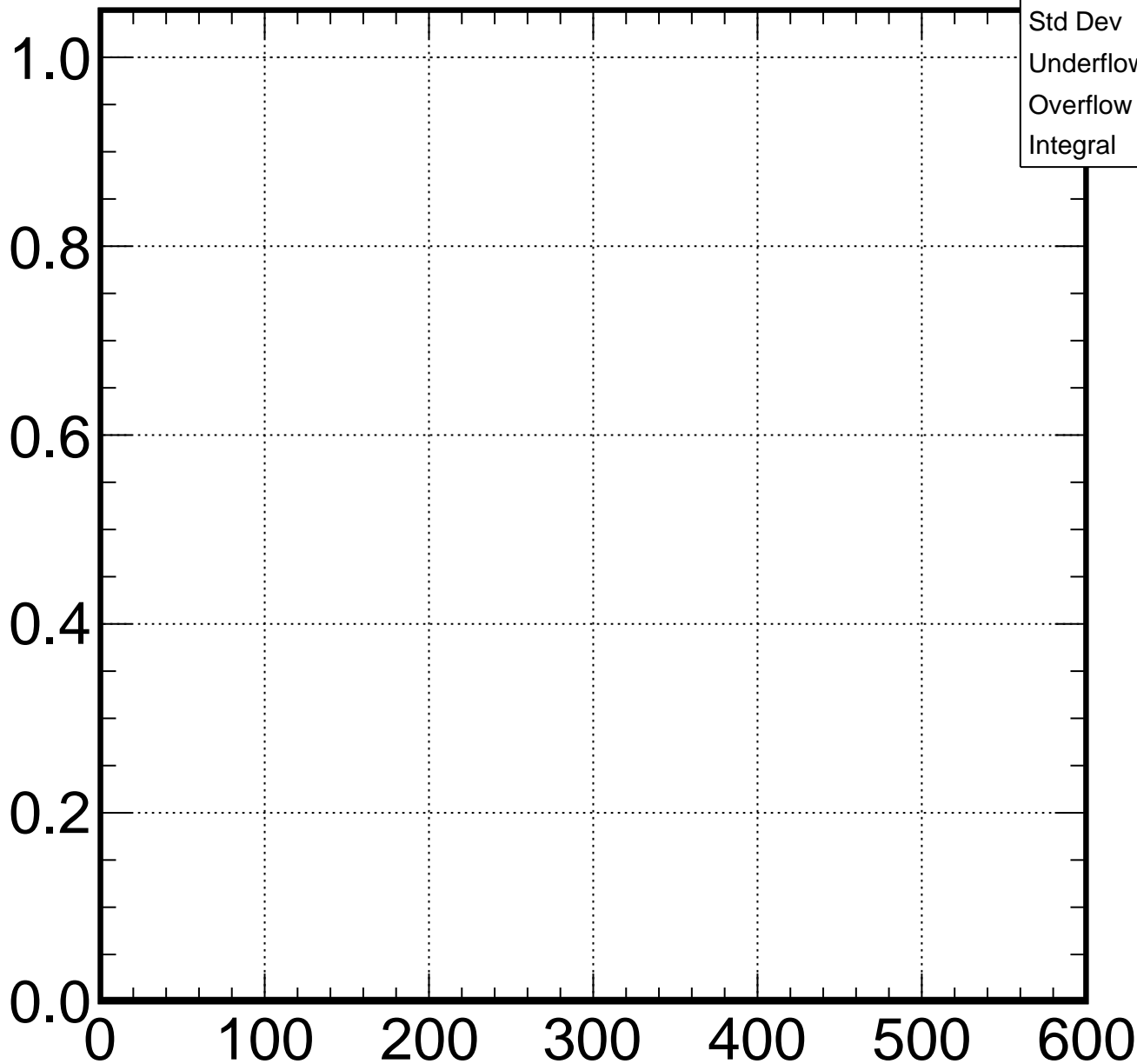


h_highPtA0M_pass_T



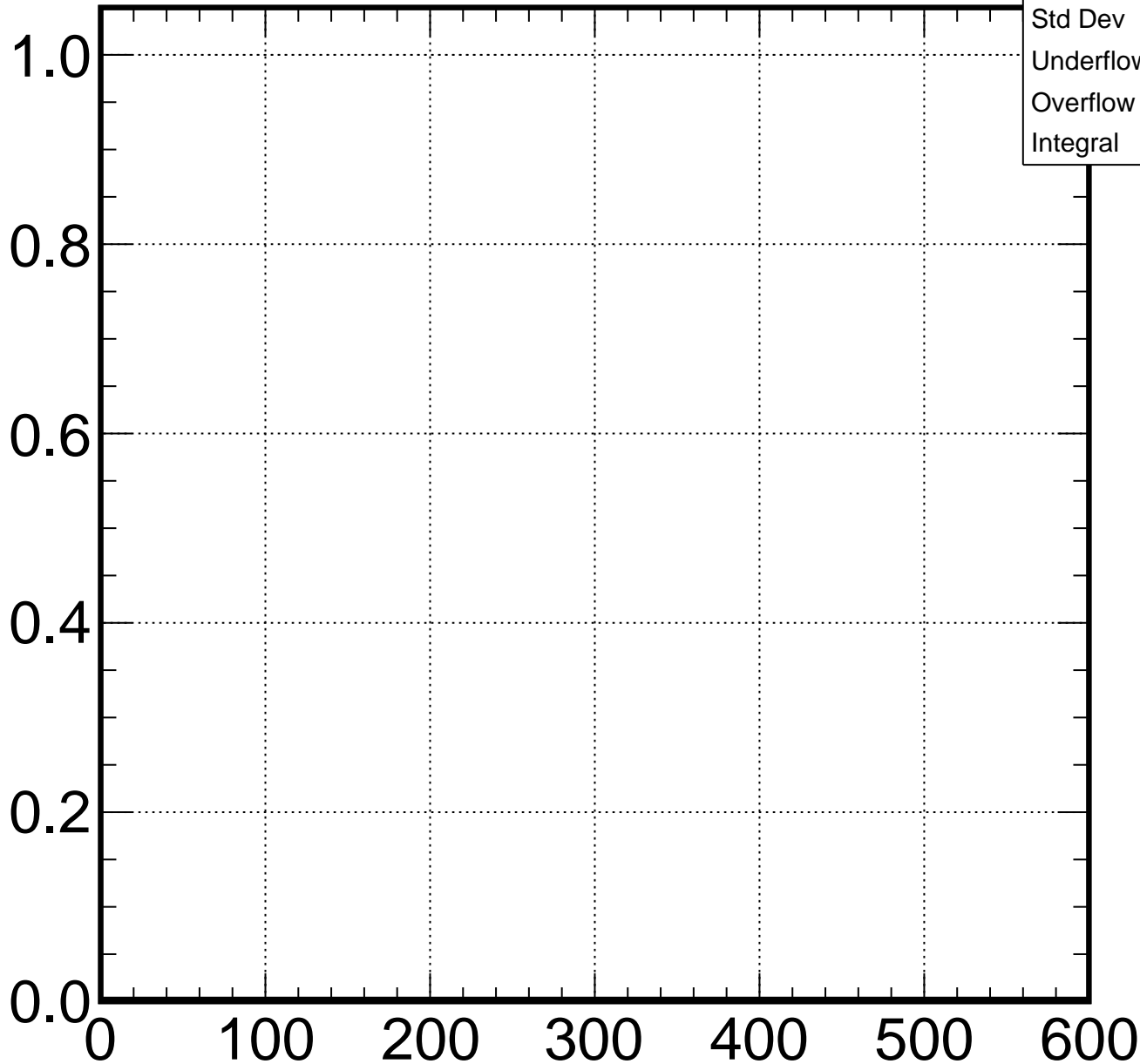
h_highPtA0M_pass_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_ratio_L



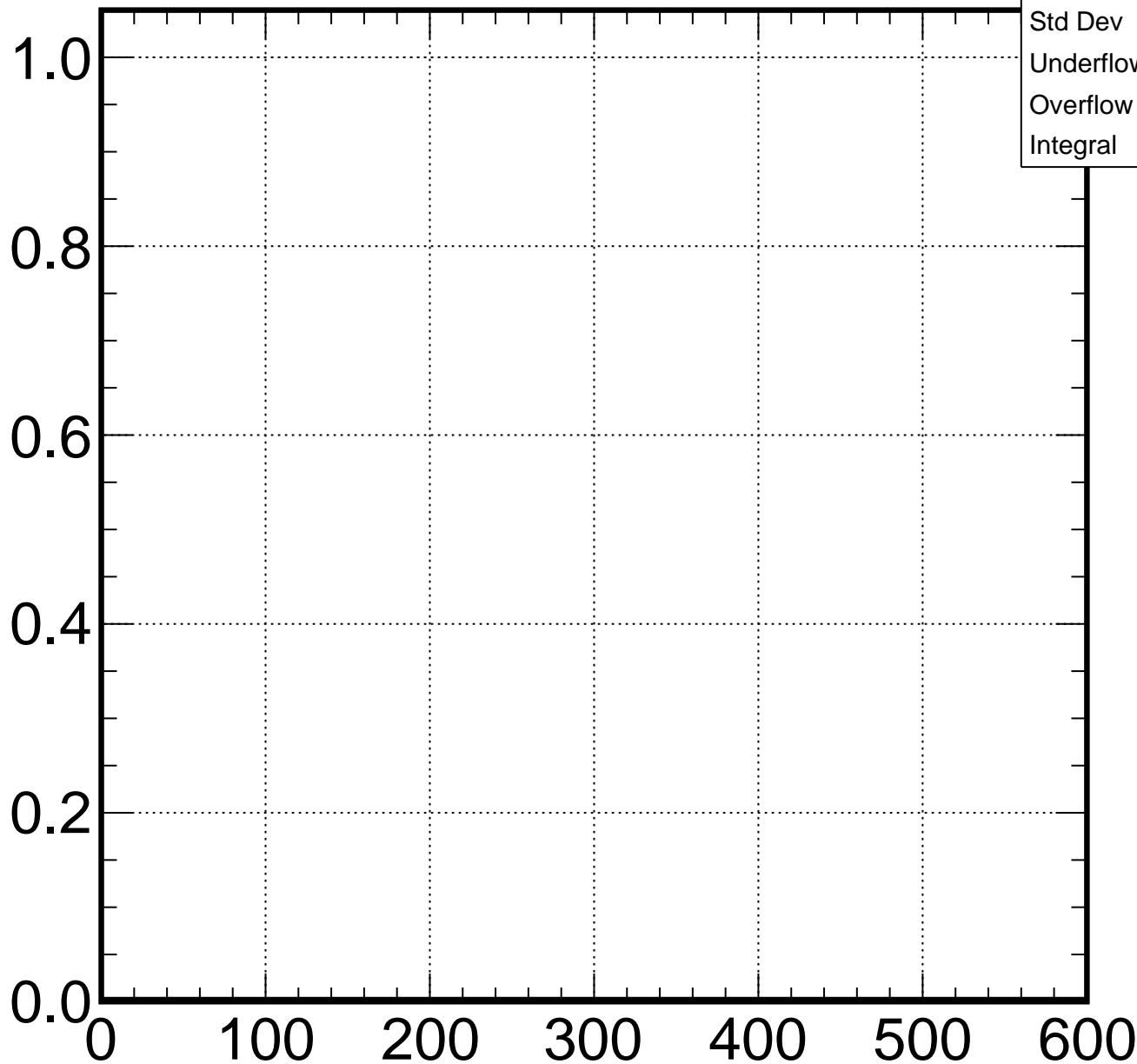
h_highPtA0M_ratio_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_ratio_M



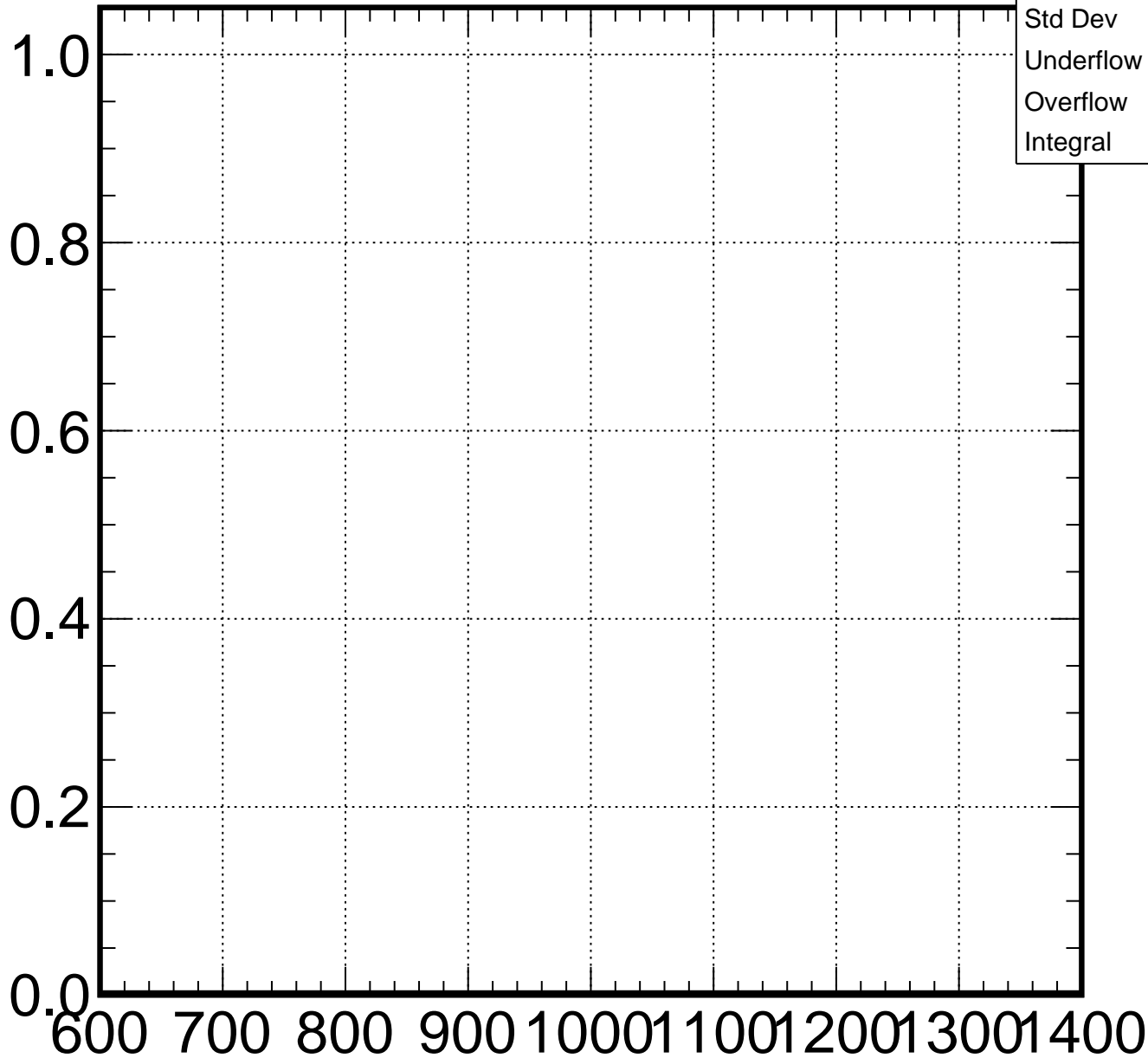
h_highPtA0M_ratio_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtA0M_ratio_T



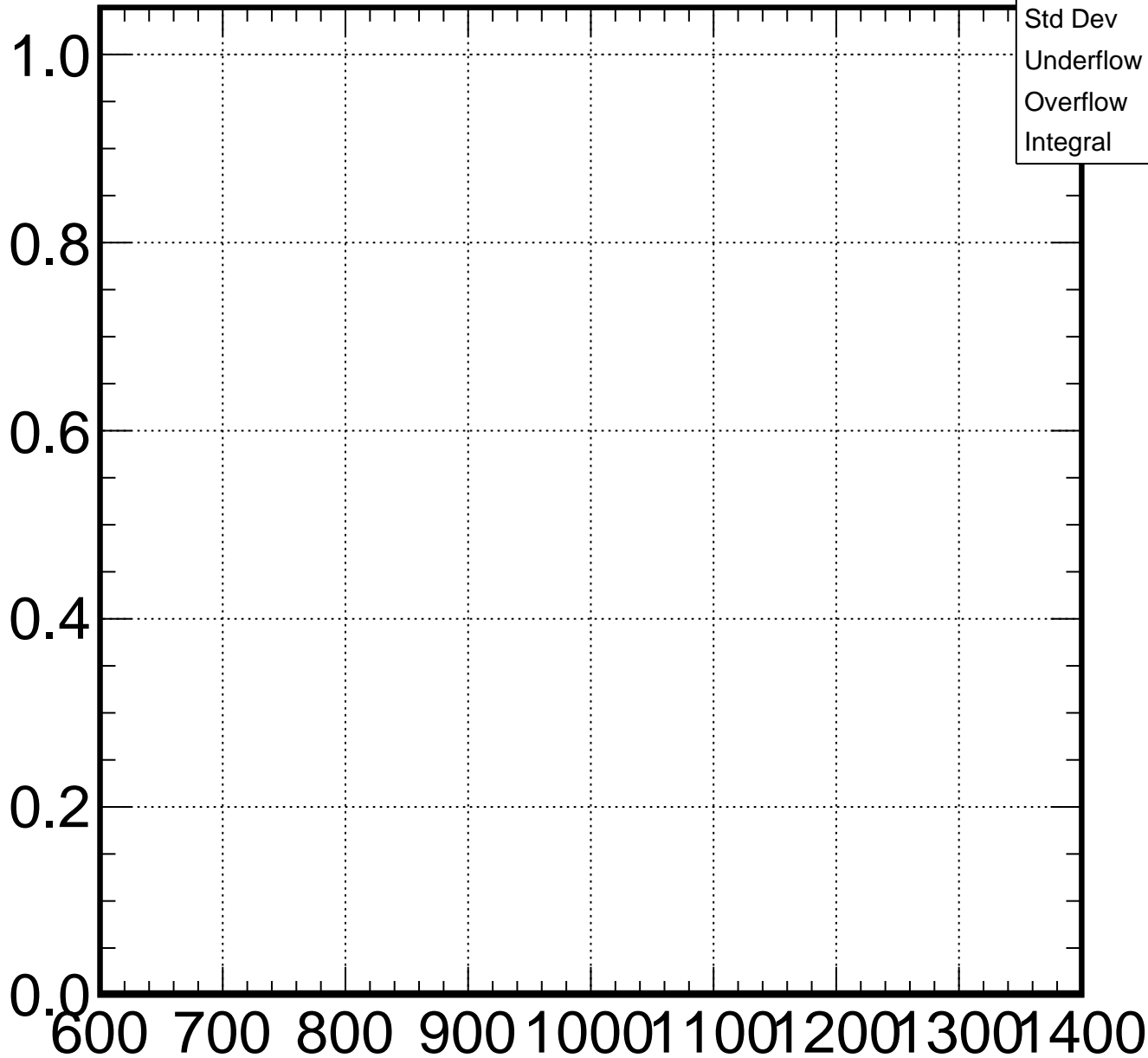
h_highPtA0M_ratio_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_fail_L



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

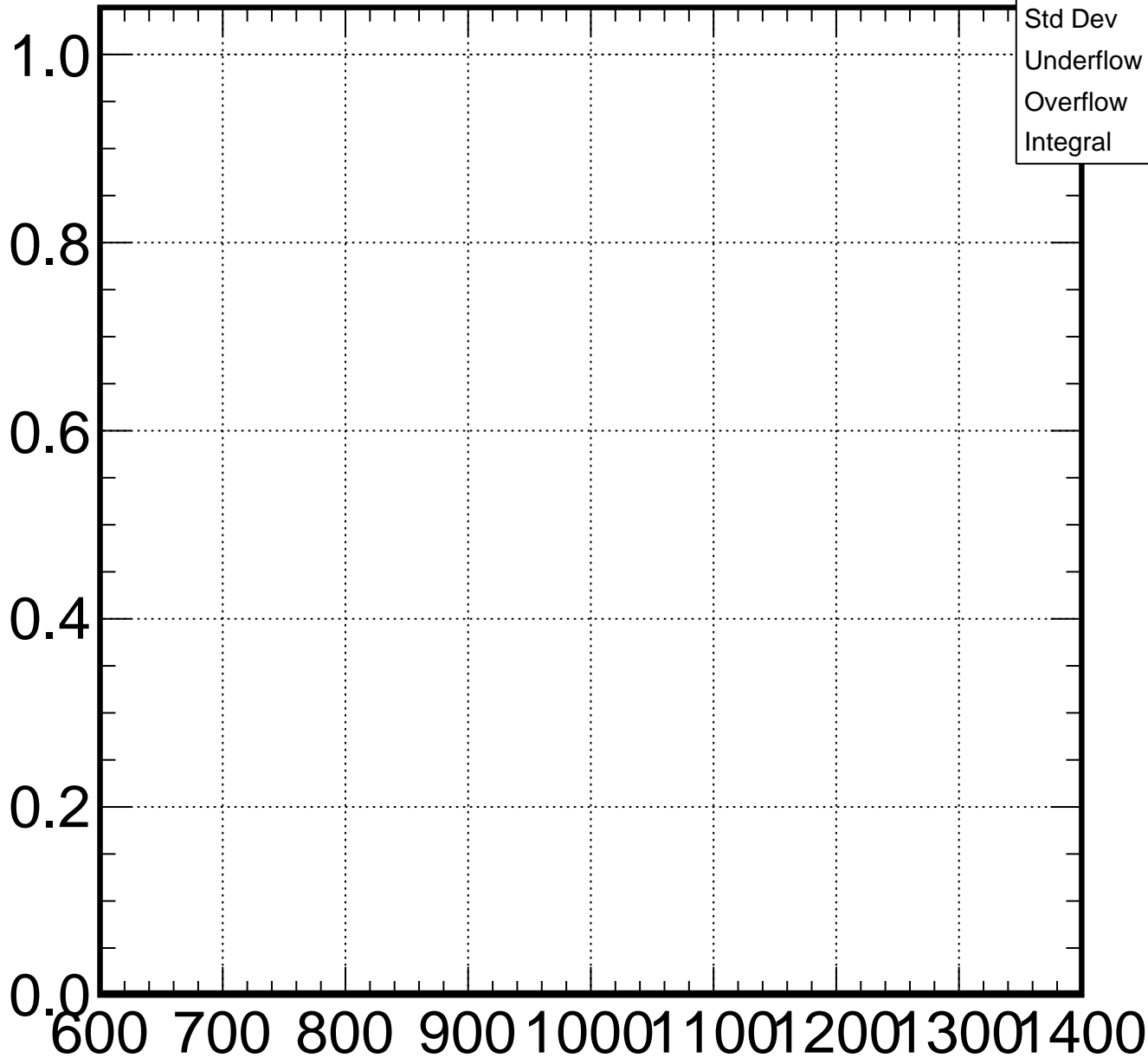
h_highPtZpM_fail_M



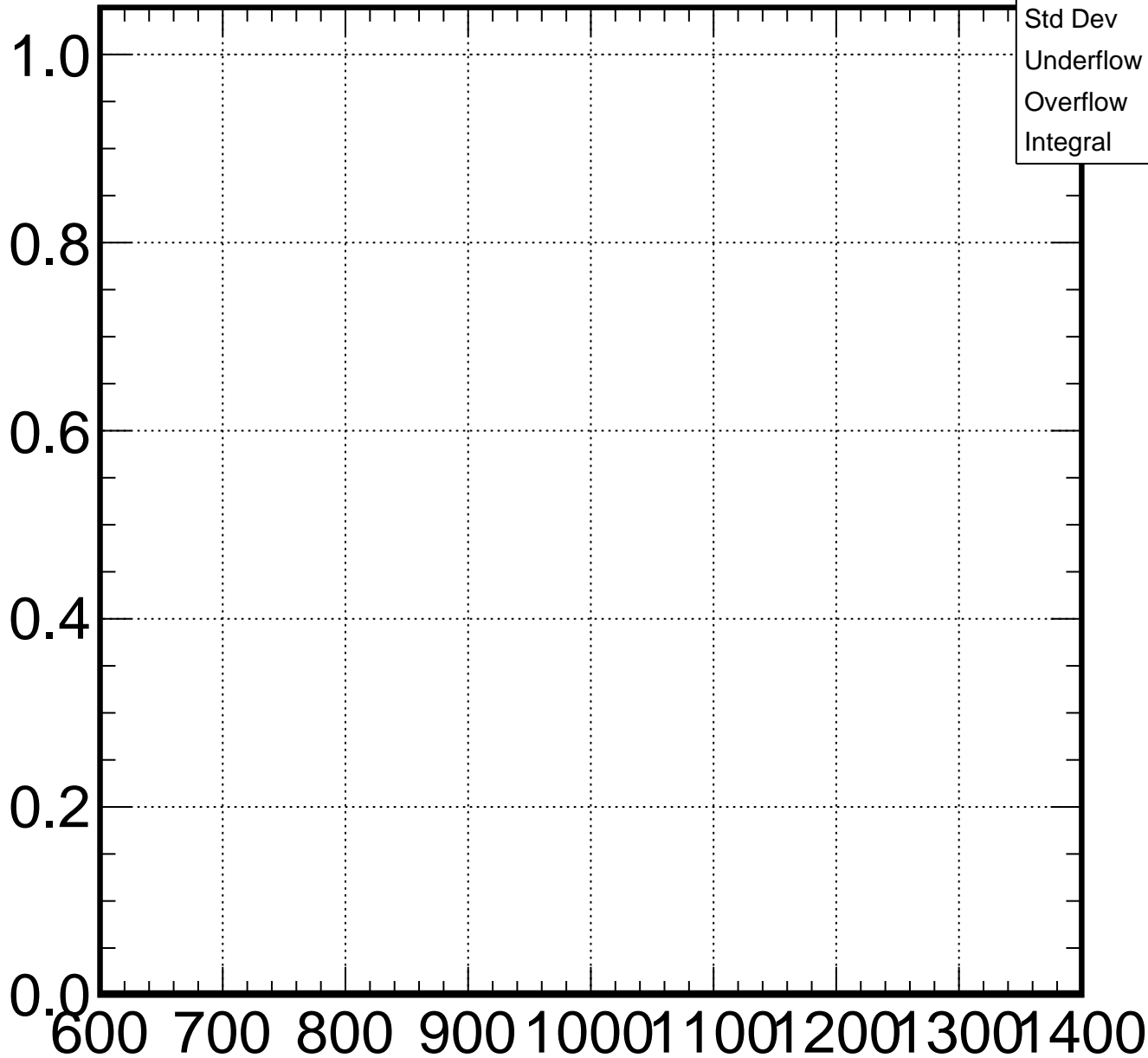
h_highPtZpM_fail_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_fail_T

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

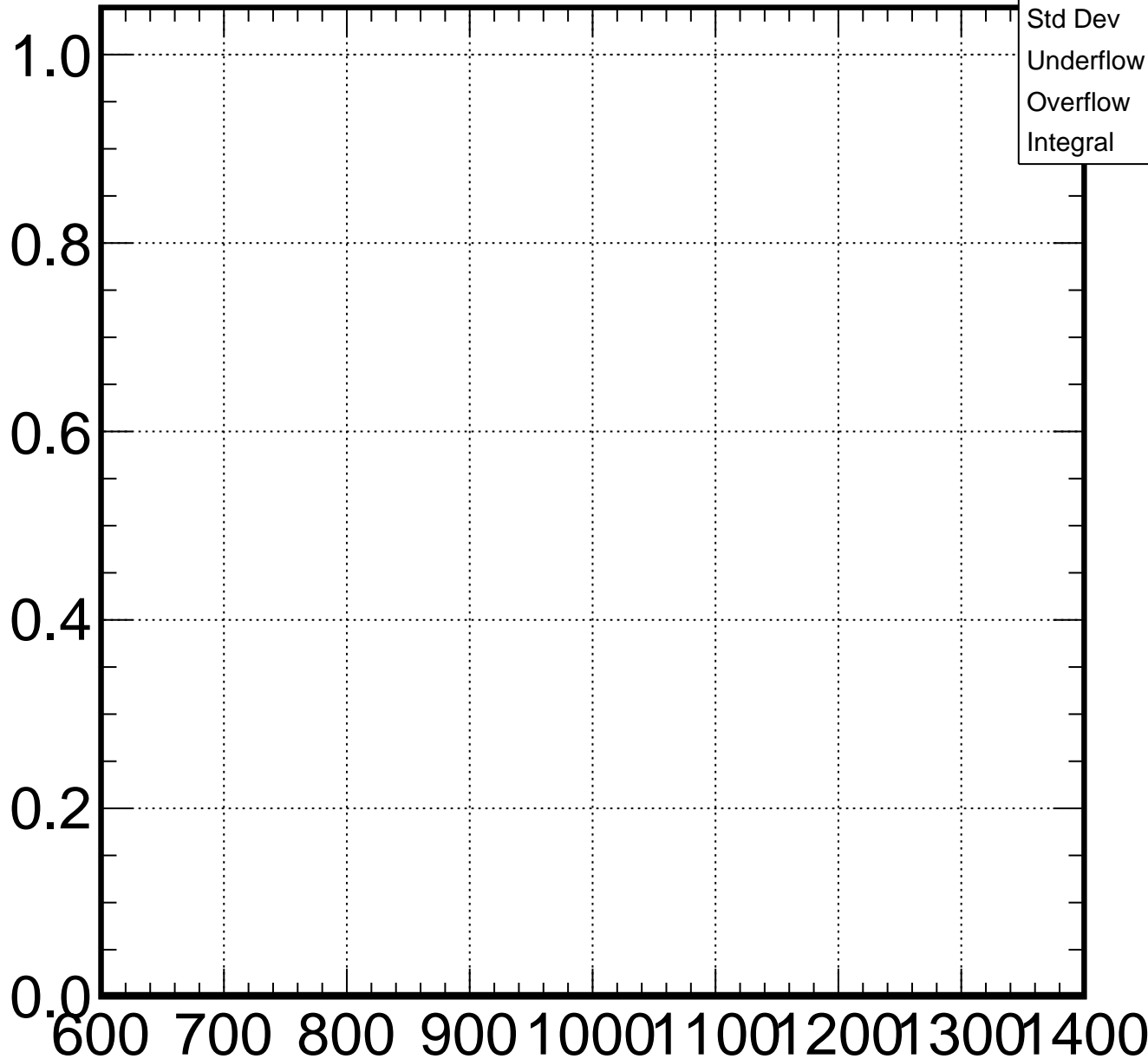


h_highPtZpM_pass_L



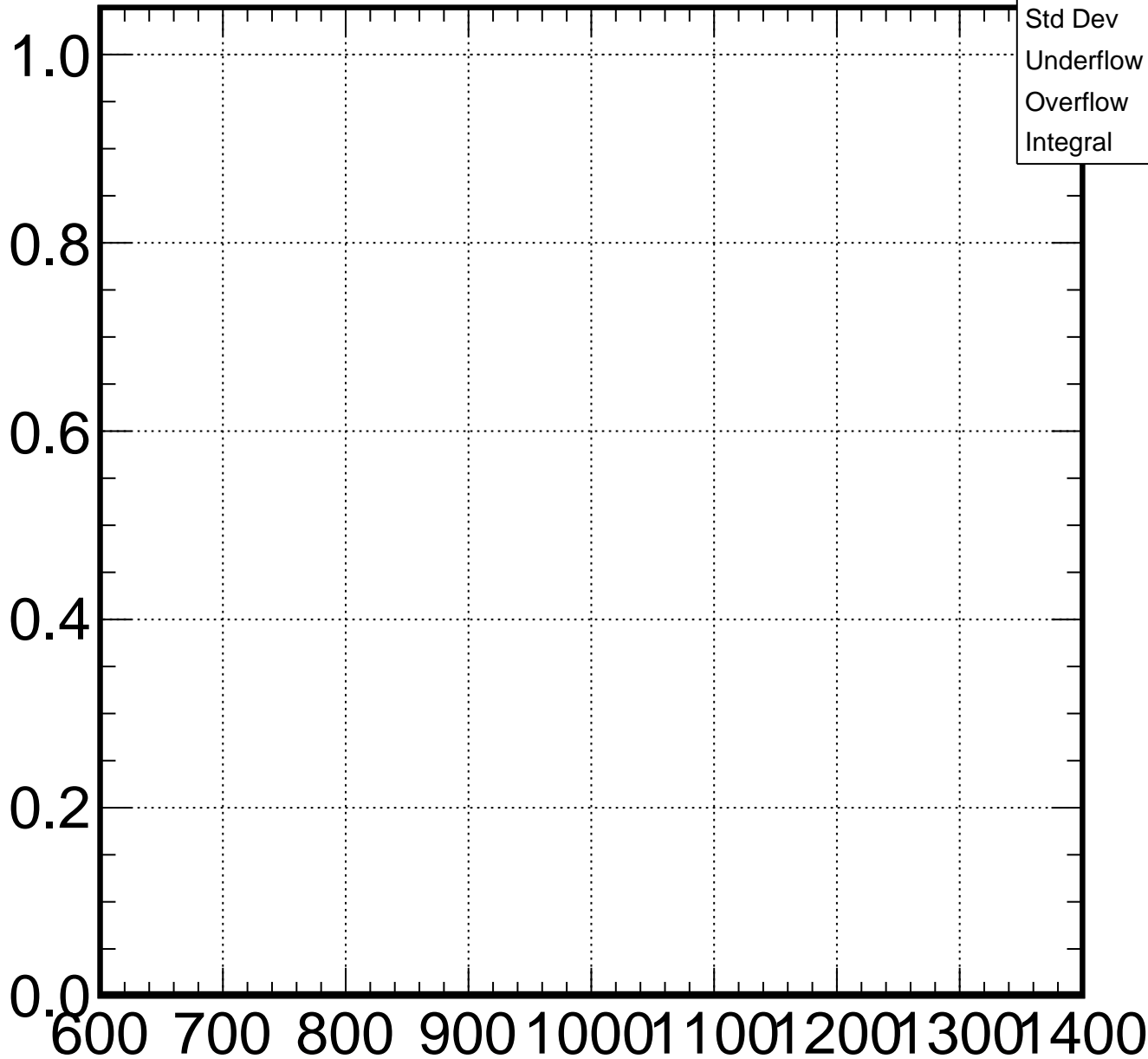
h_highPtZpM_pass_L	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_pass_M



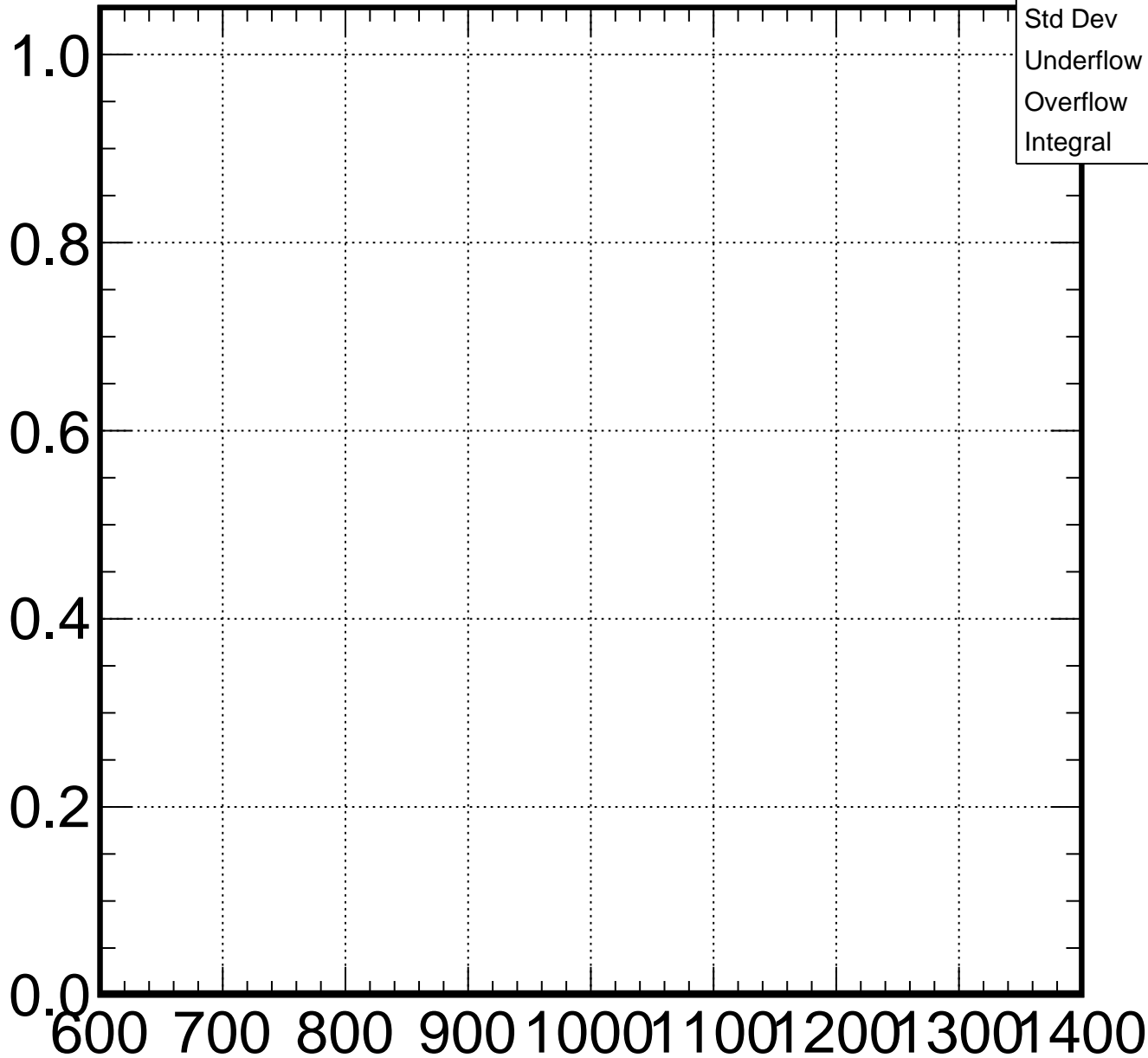
h_highPtZpM_pass_M	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

h_highPtZpM_pass_T



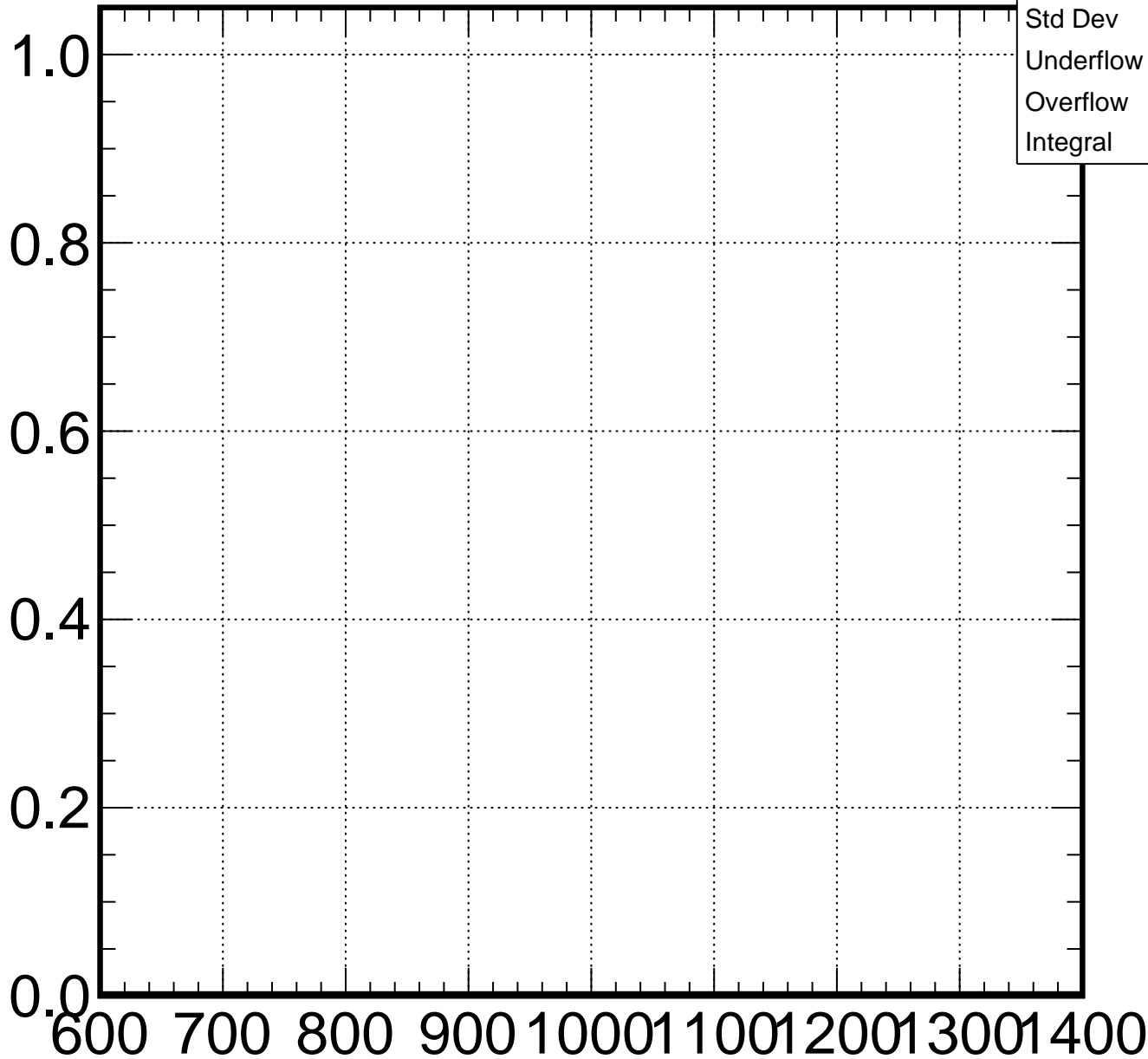
h_highPtZpM_pass_T	
Mean	0
Std Dev	0
Underflow	0
Overflow	0
Integral	0

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

