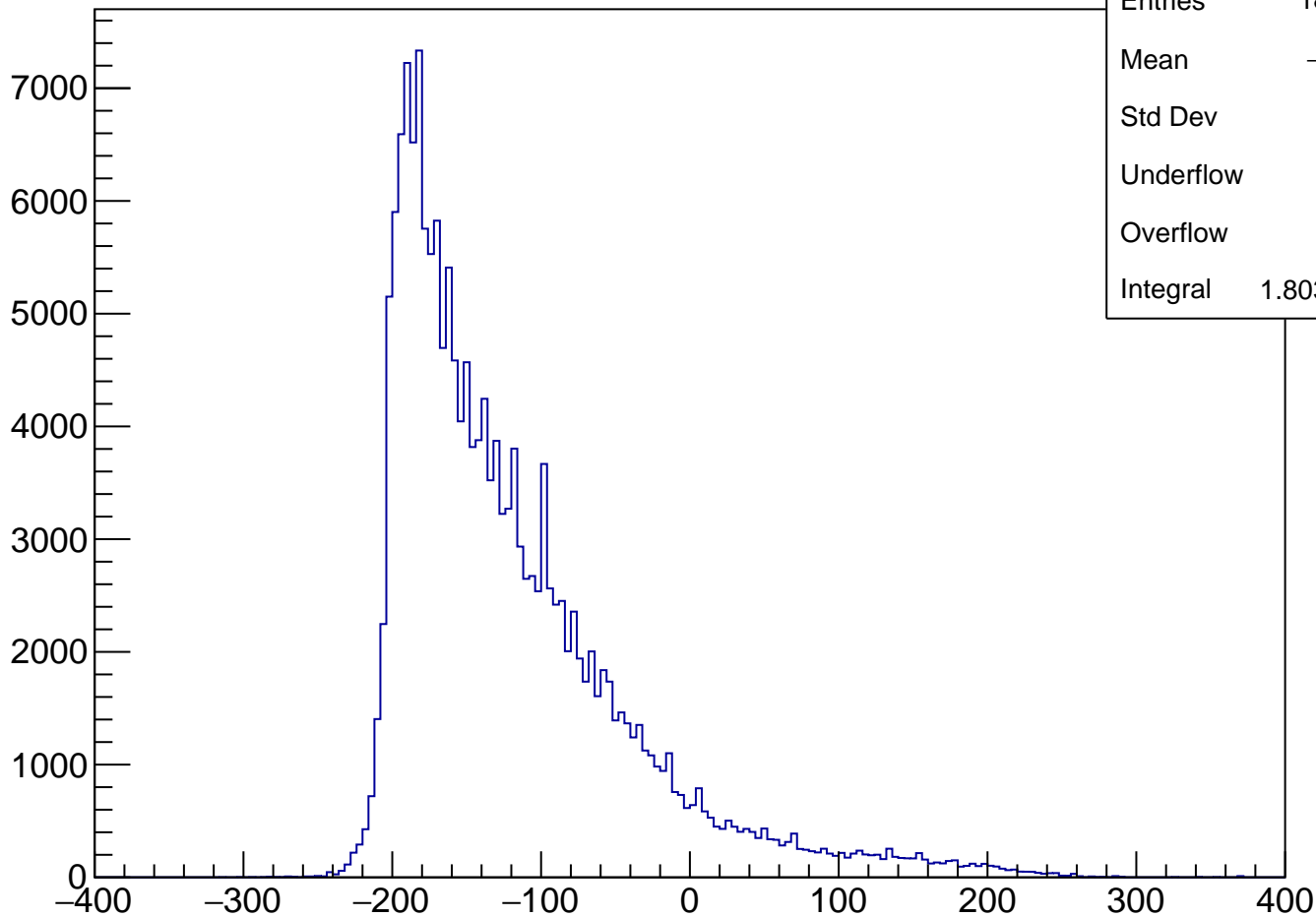
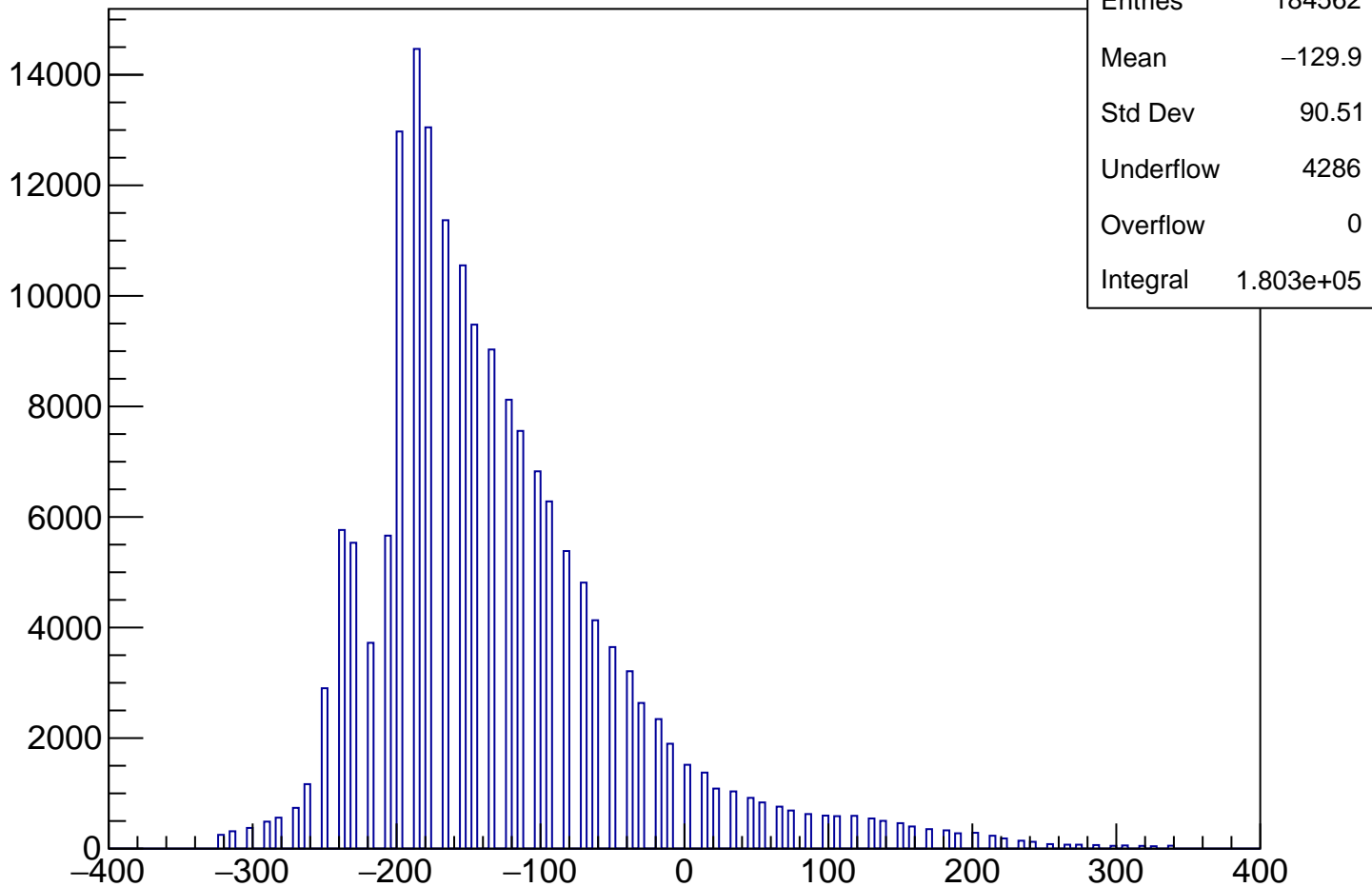


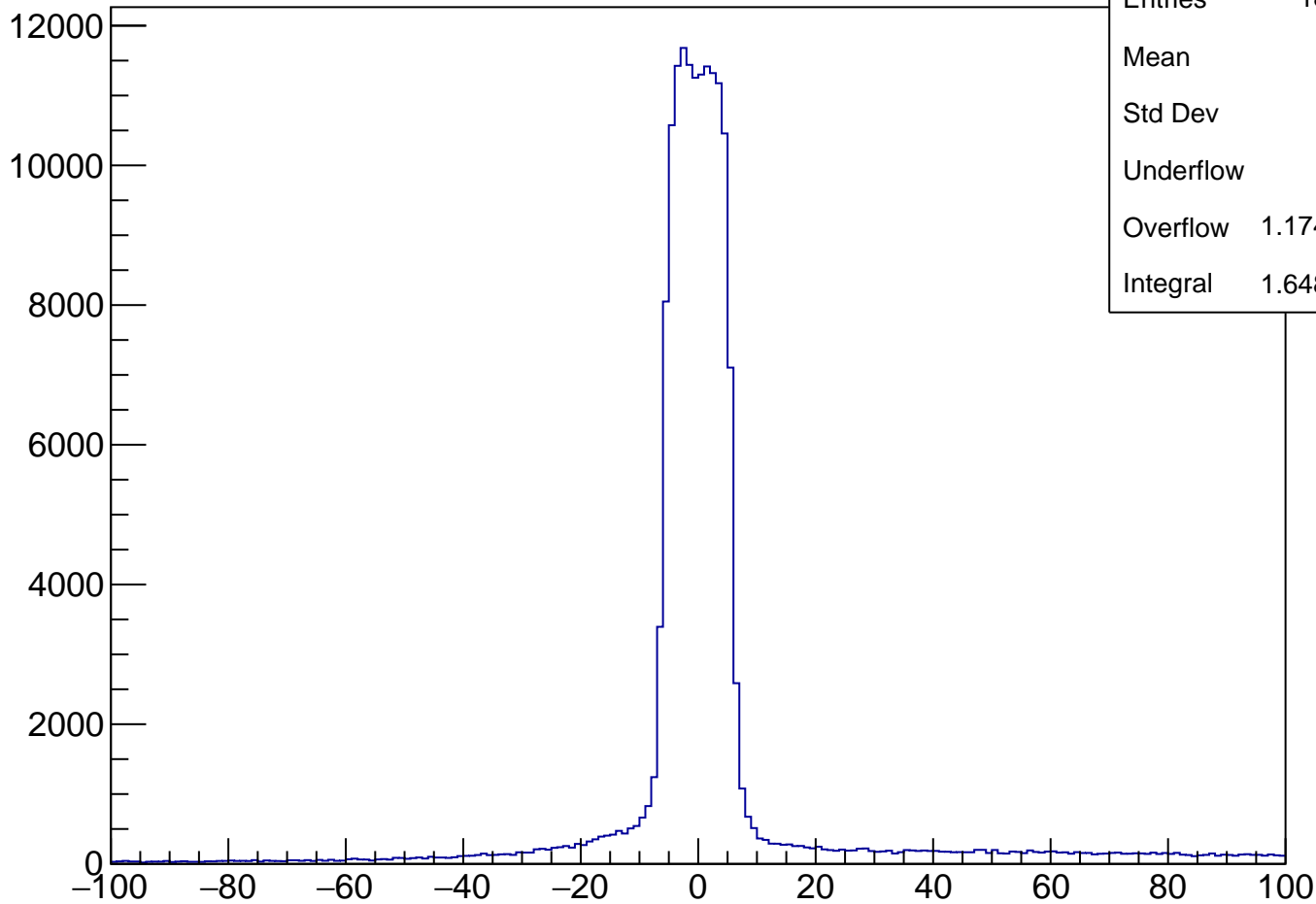
vpx[1]



# Sch Position by HitSegment

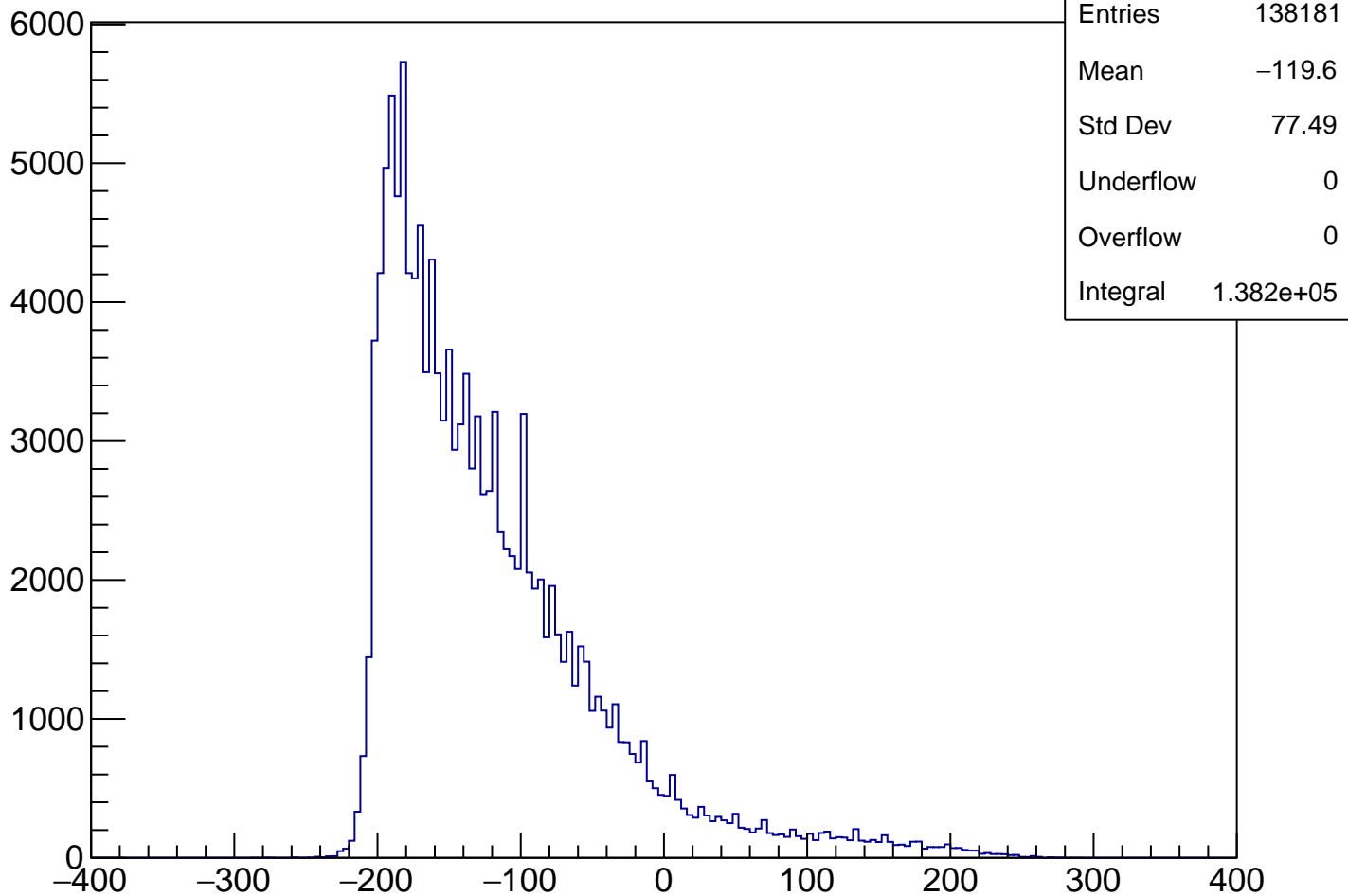


delta\_x

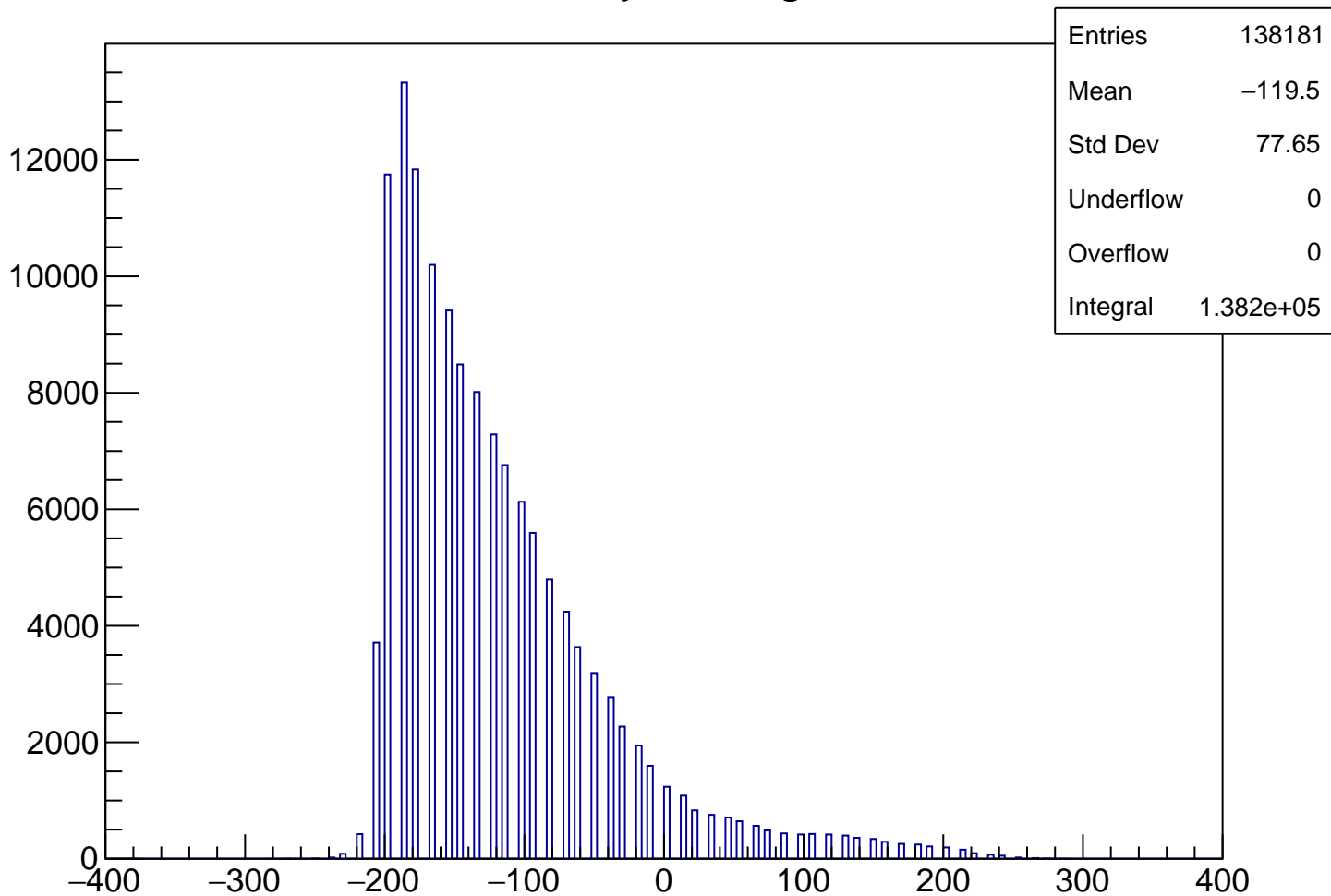


Entries	184562
Mean	2.406
Std Dev	20.28
Underflow	7992
Overflow	1.174e+04
Integral	1.648e+05

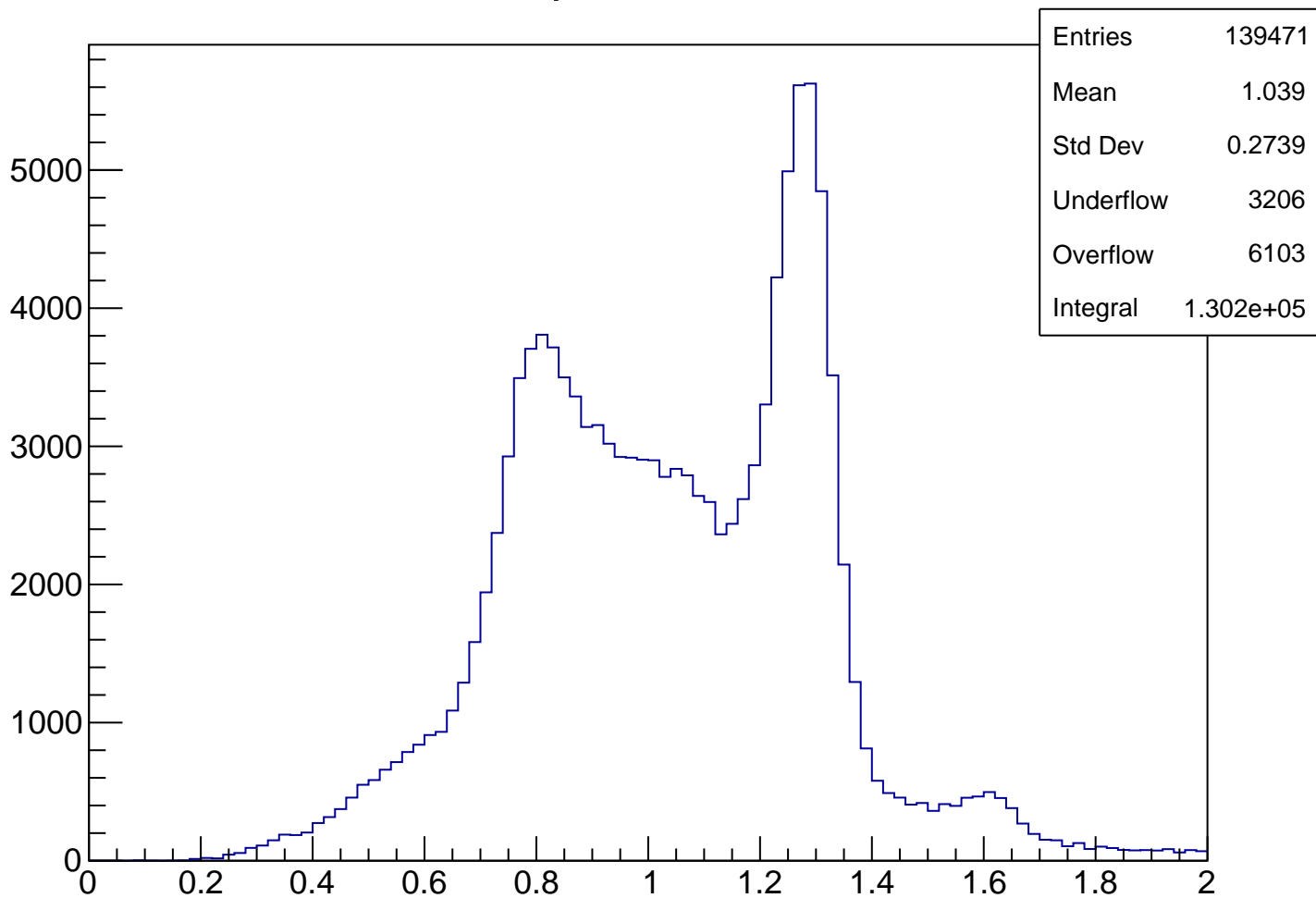
# vp<sub>x</sub>[1] Cut1



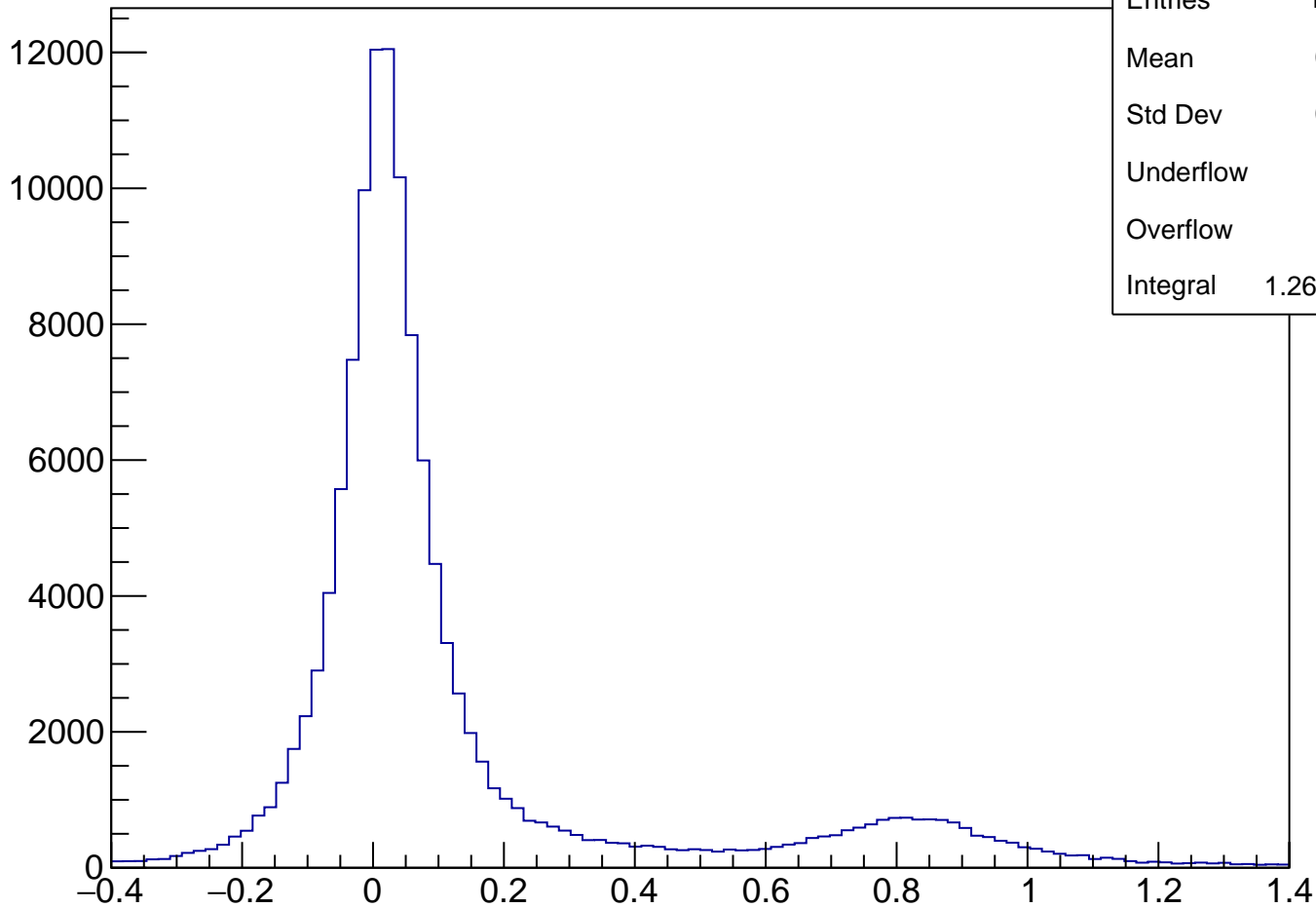
# Sch Position by HitSegment Cut1



# pKurama

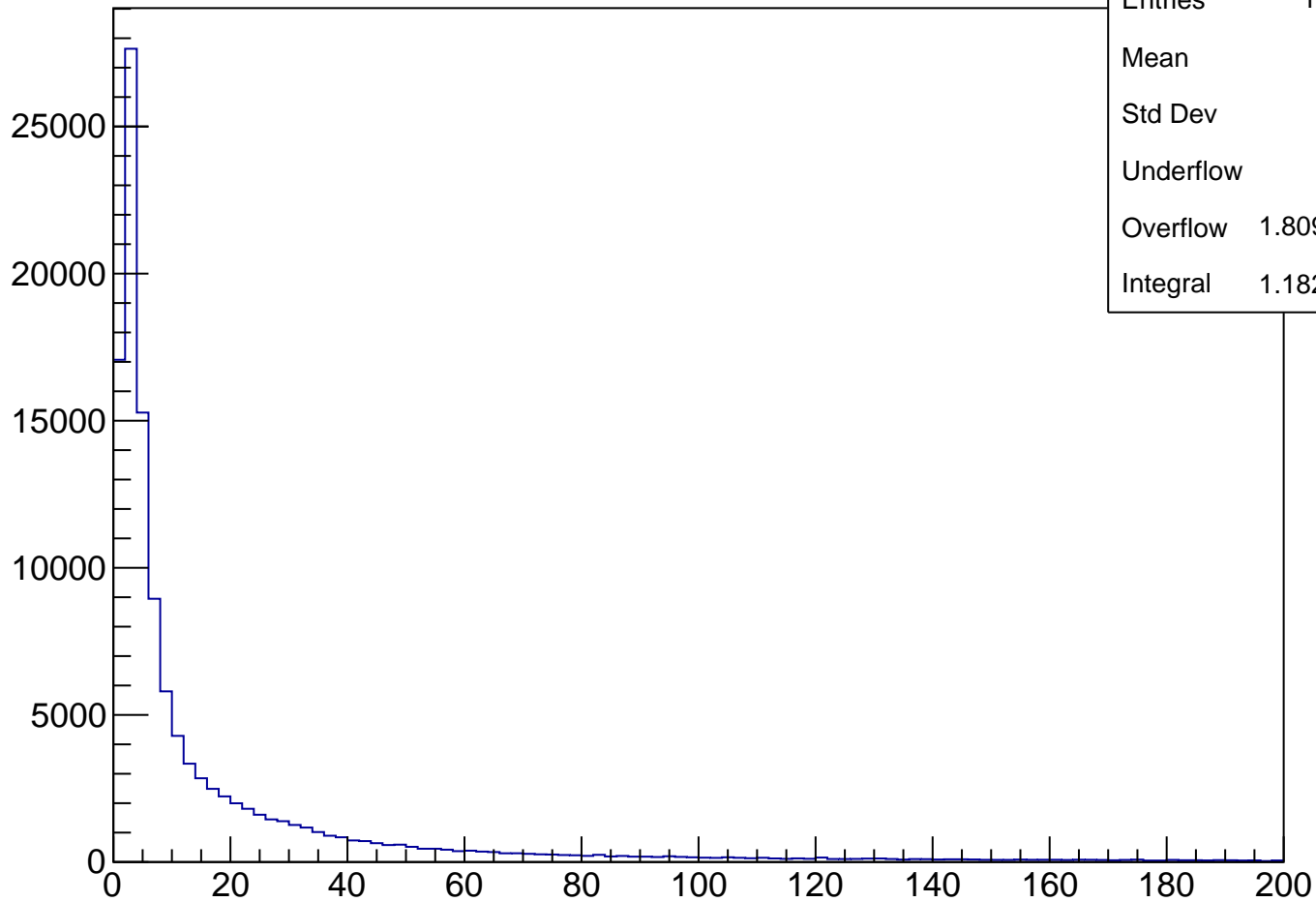


m2



Entries	139471
Mean	0.1301
Std Dev	0.2931
Underflow	5447
Overflow	7326
Integral	1.267e+05

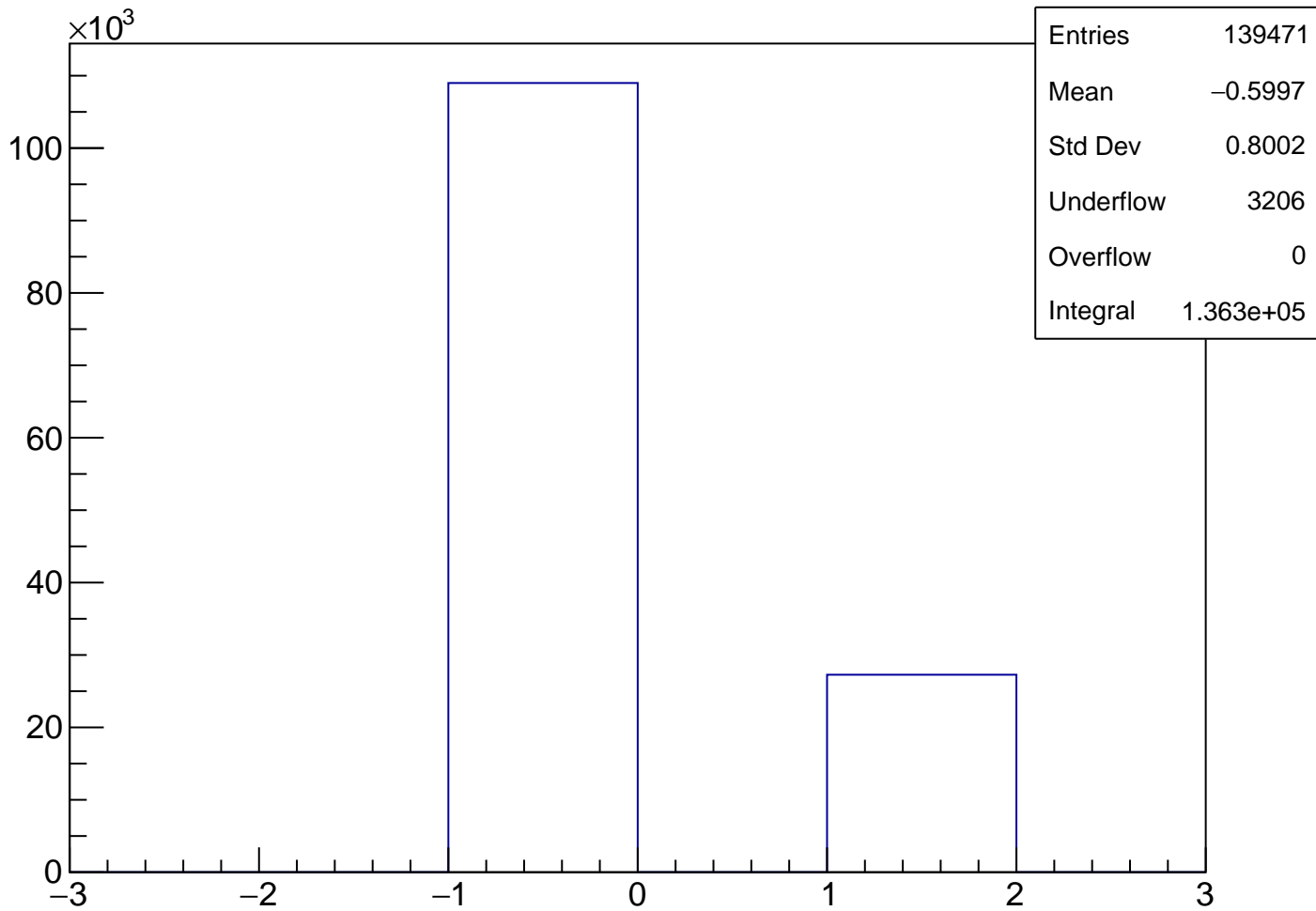
# chisqrKurama



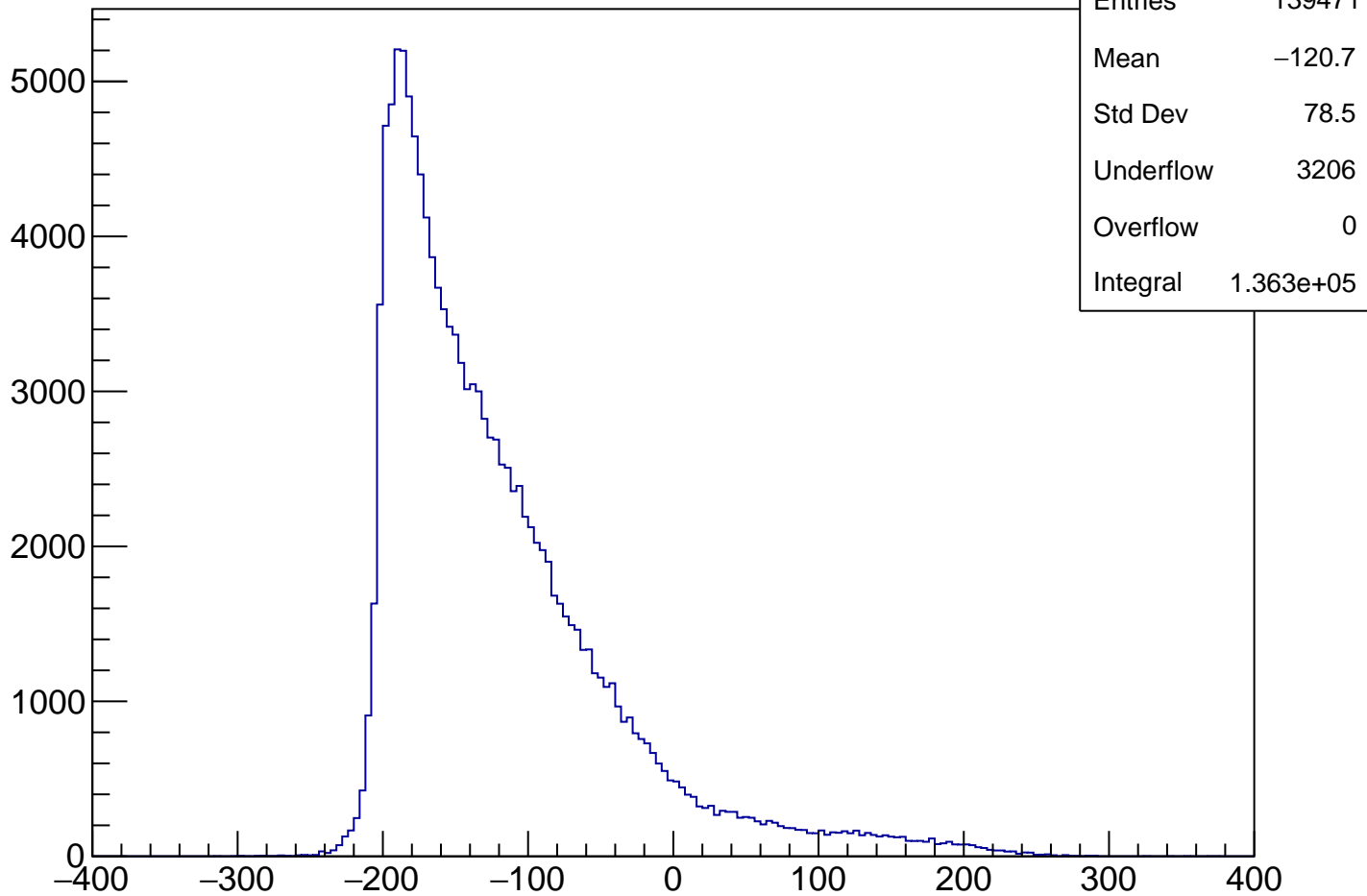
Entries	139471
Mean	18.32
Std Dev	30.72
Underflow	3206
Overflow	1.809e+04
Integral	1.182e+05



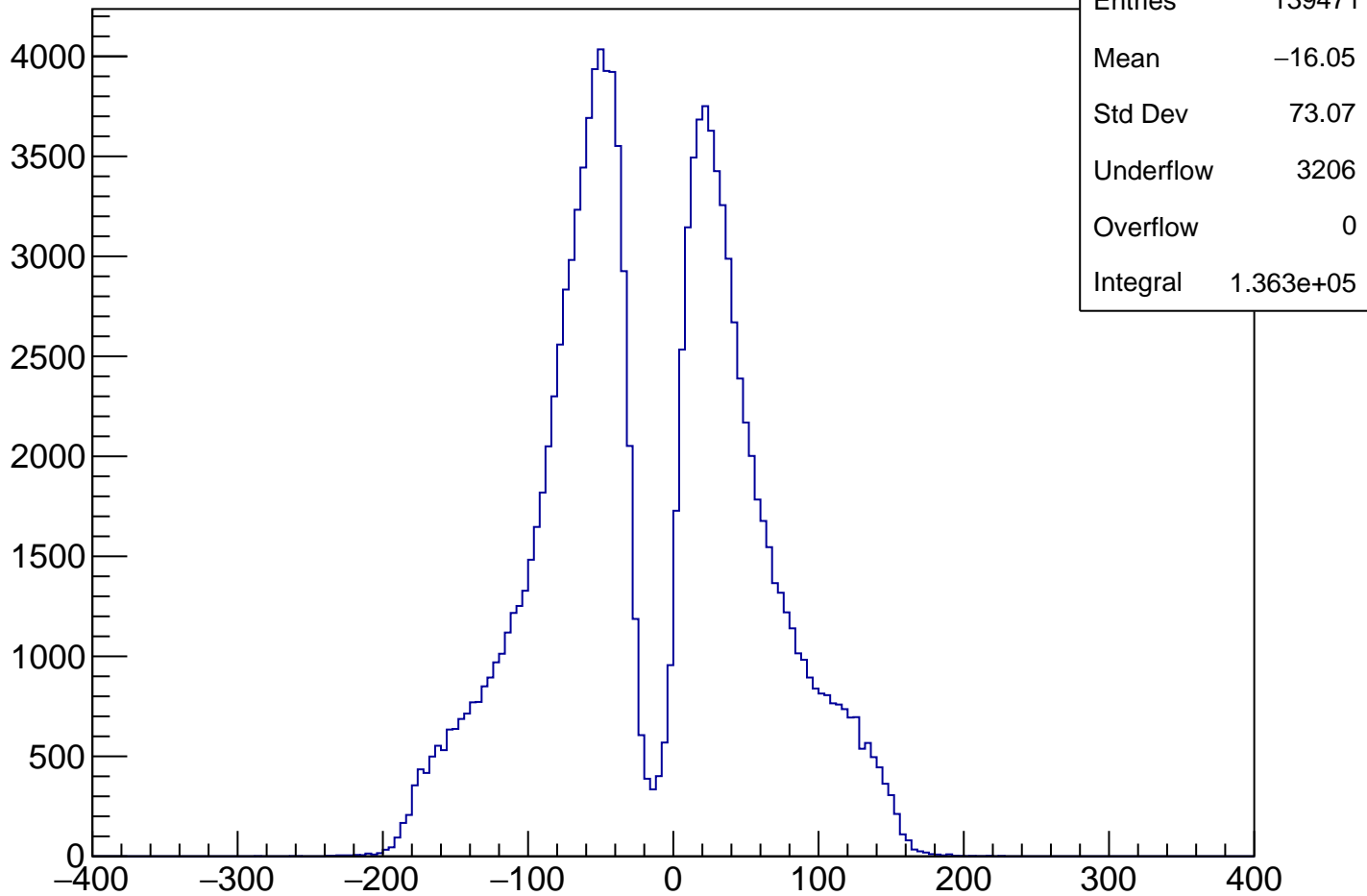
# qKurama



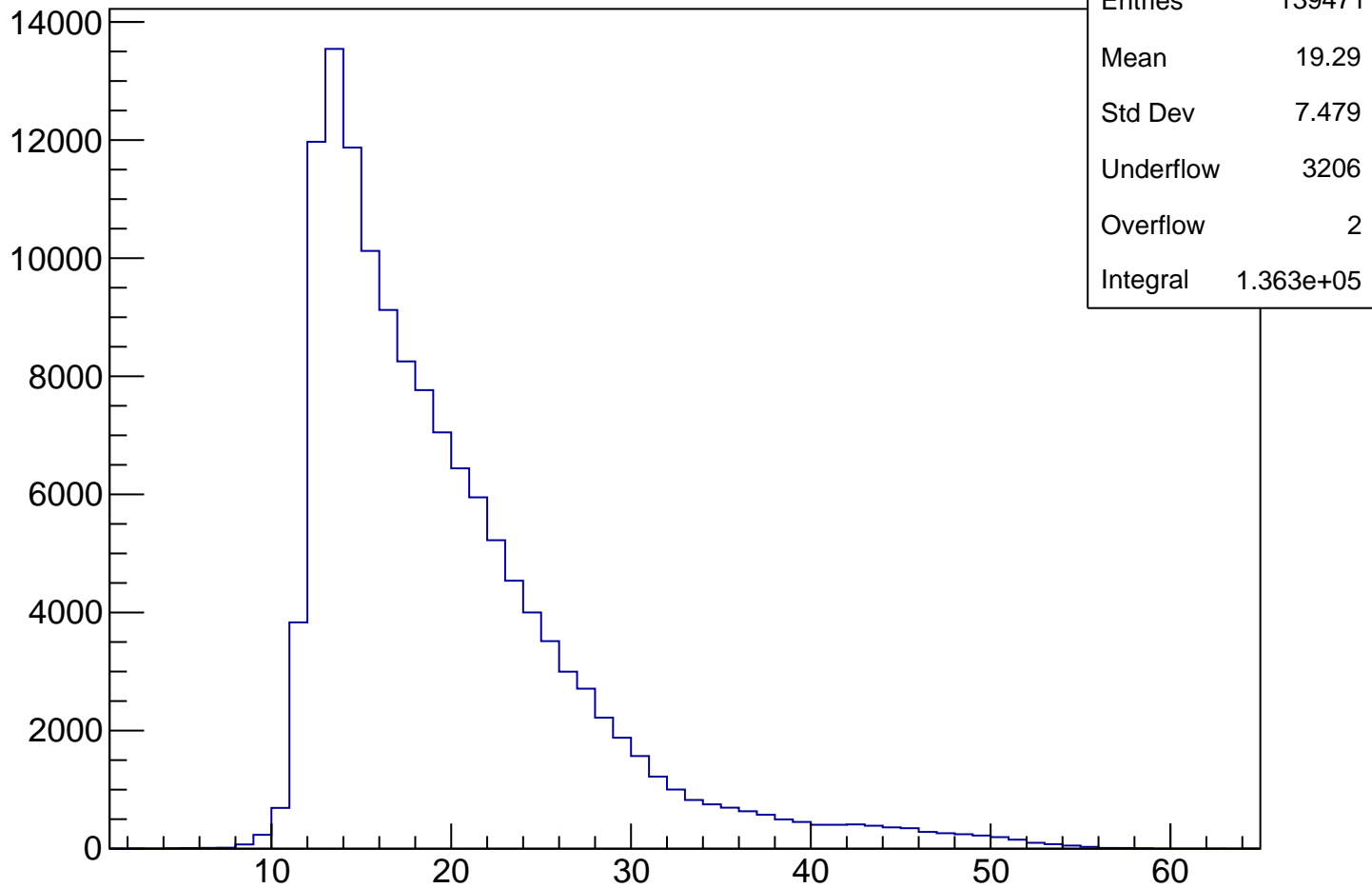
vpx[1] 2



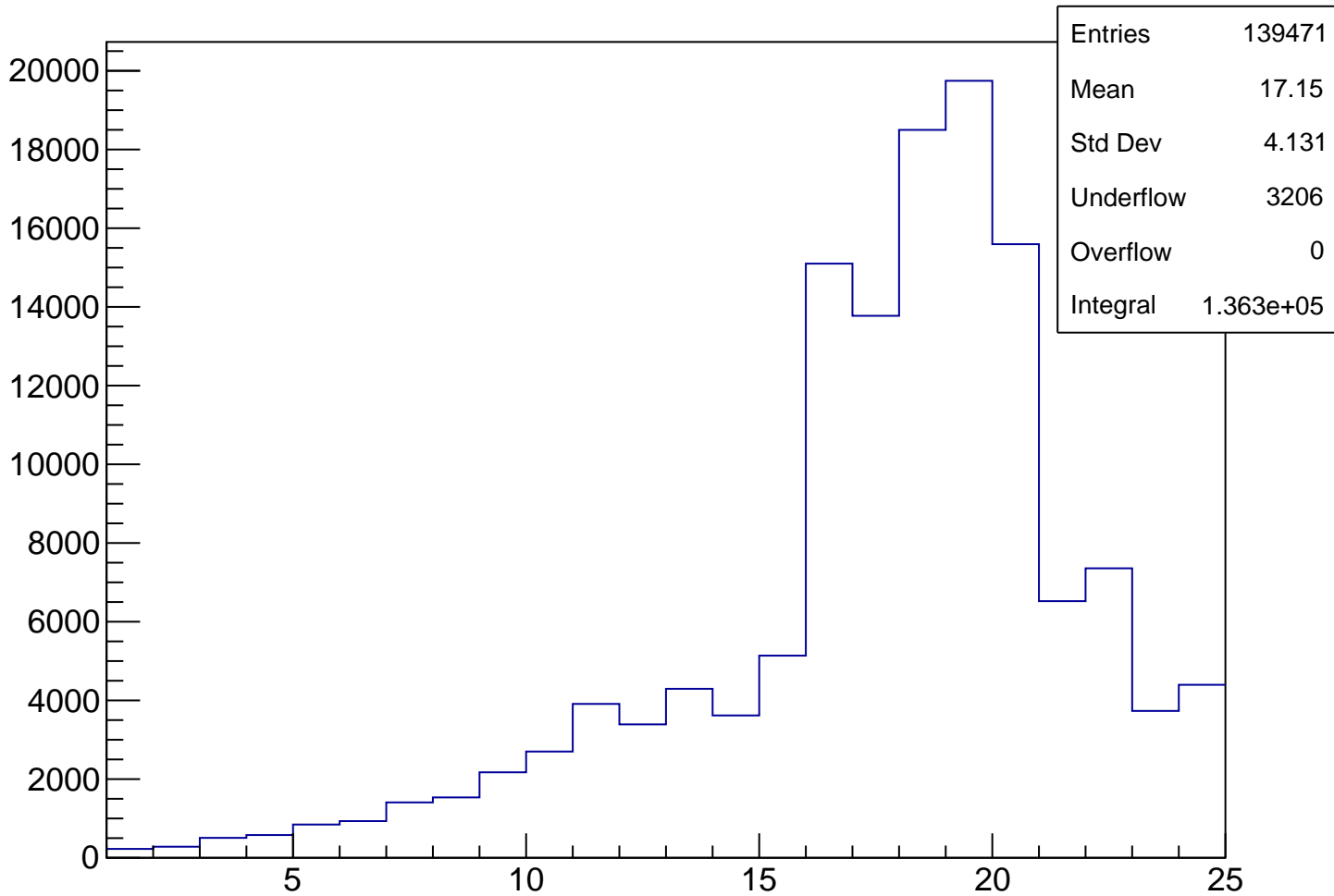
vpy[1]



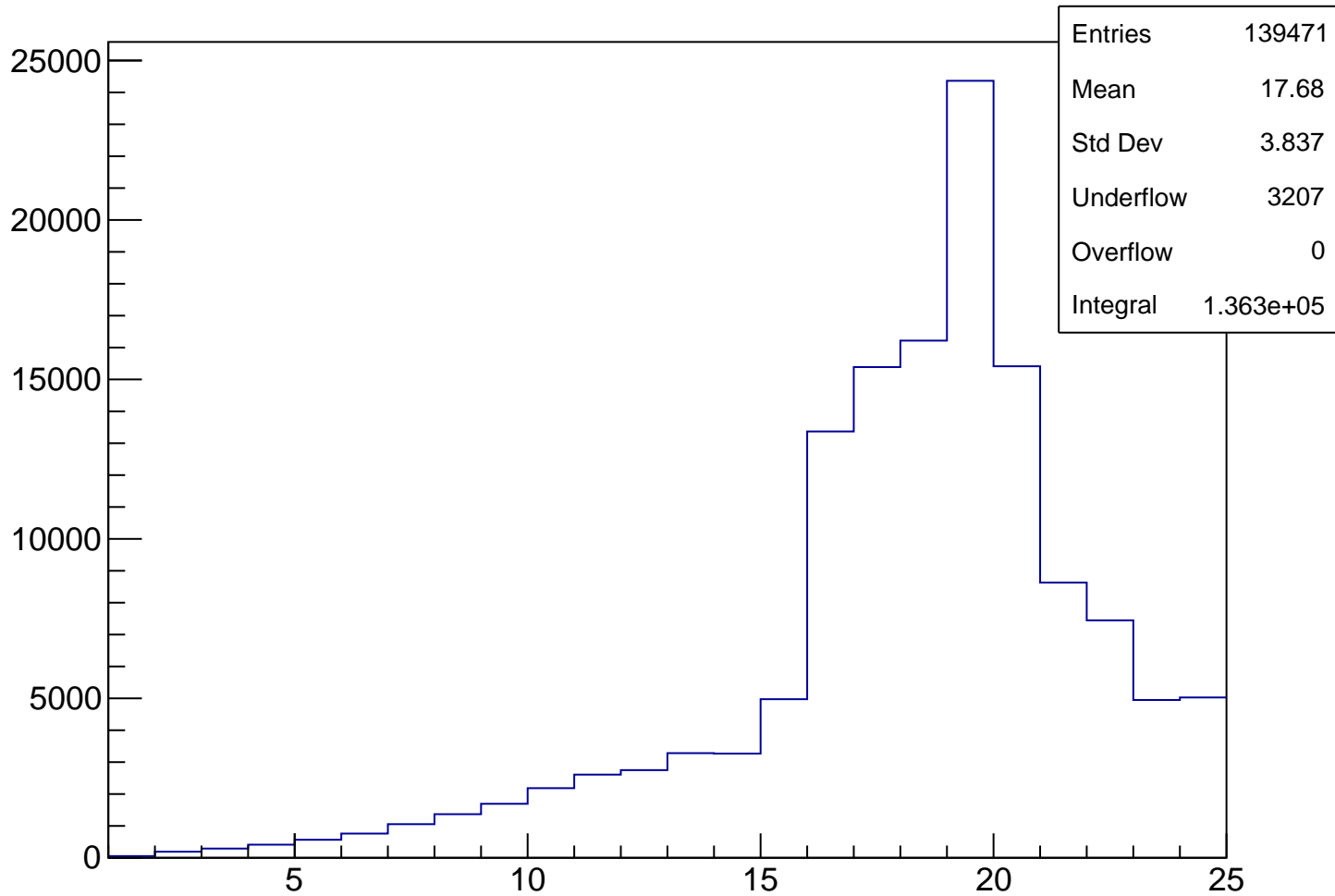
vpseg[1]



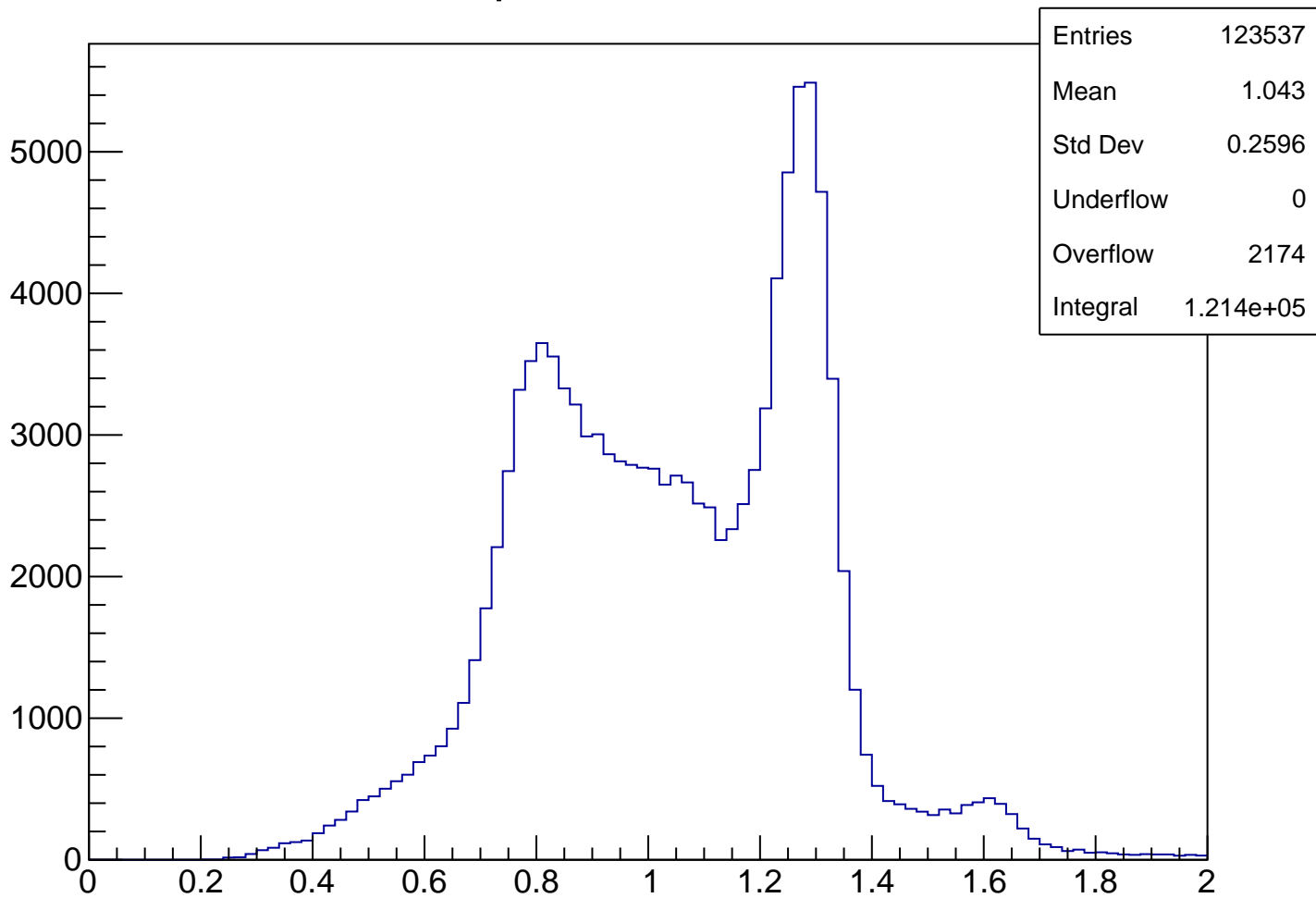
# TofSeg[0]



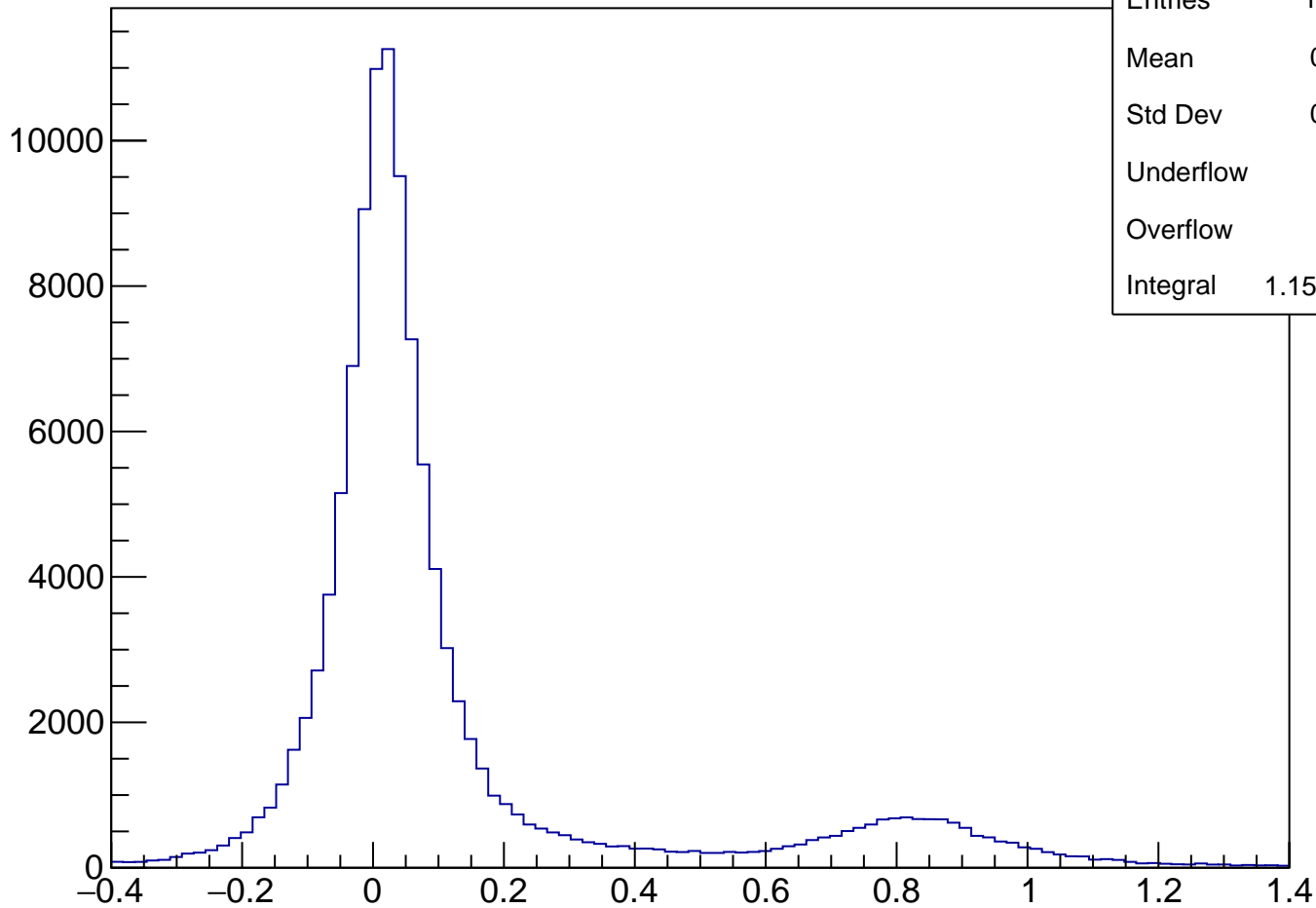
# tofsegKurama[0]



# pKurama Cut1

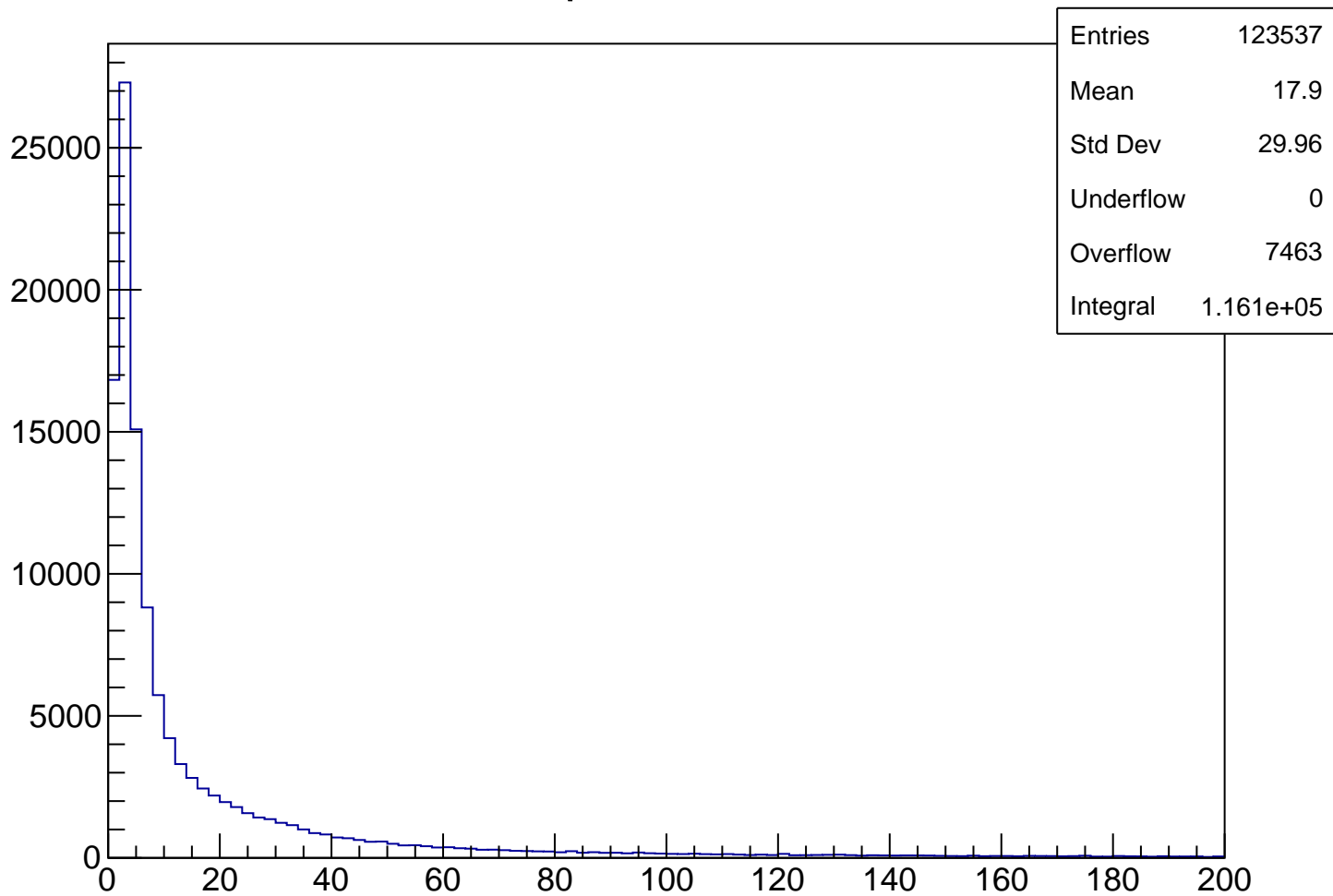


# m2 Cut1

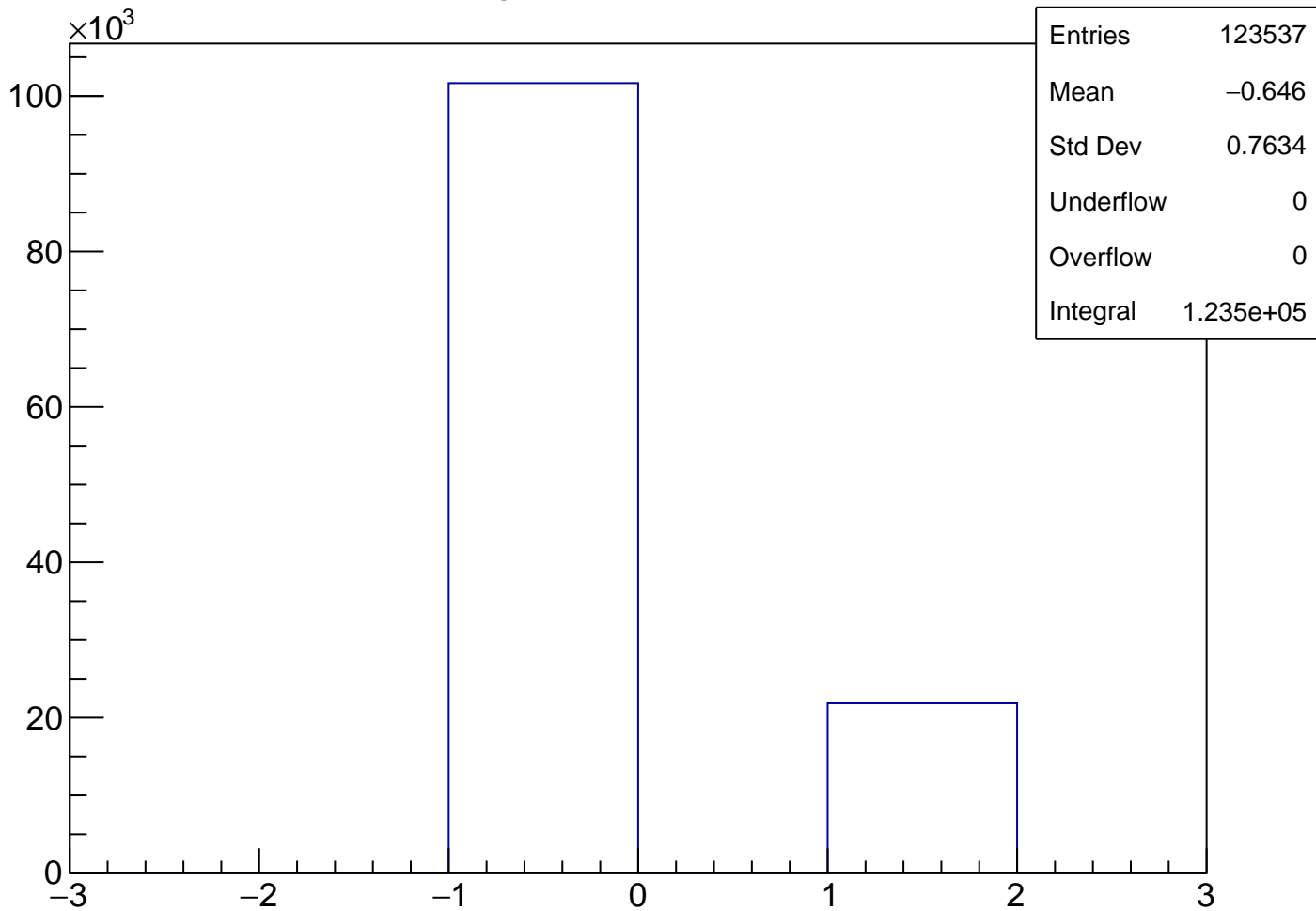




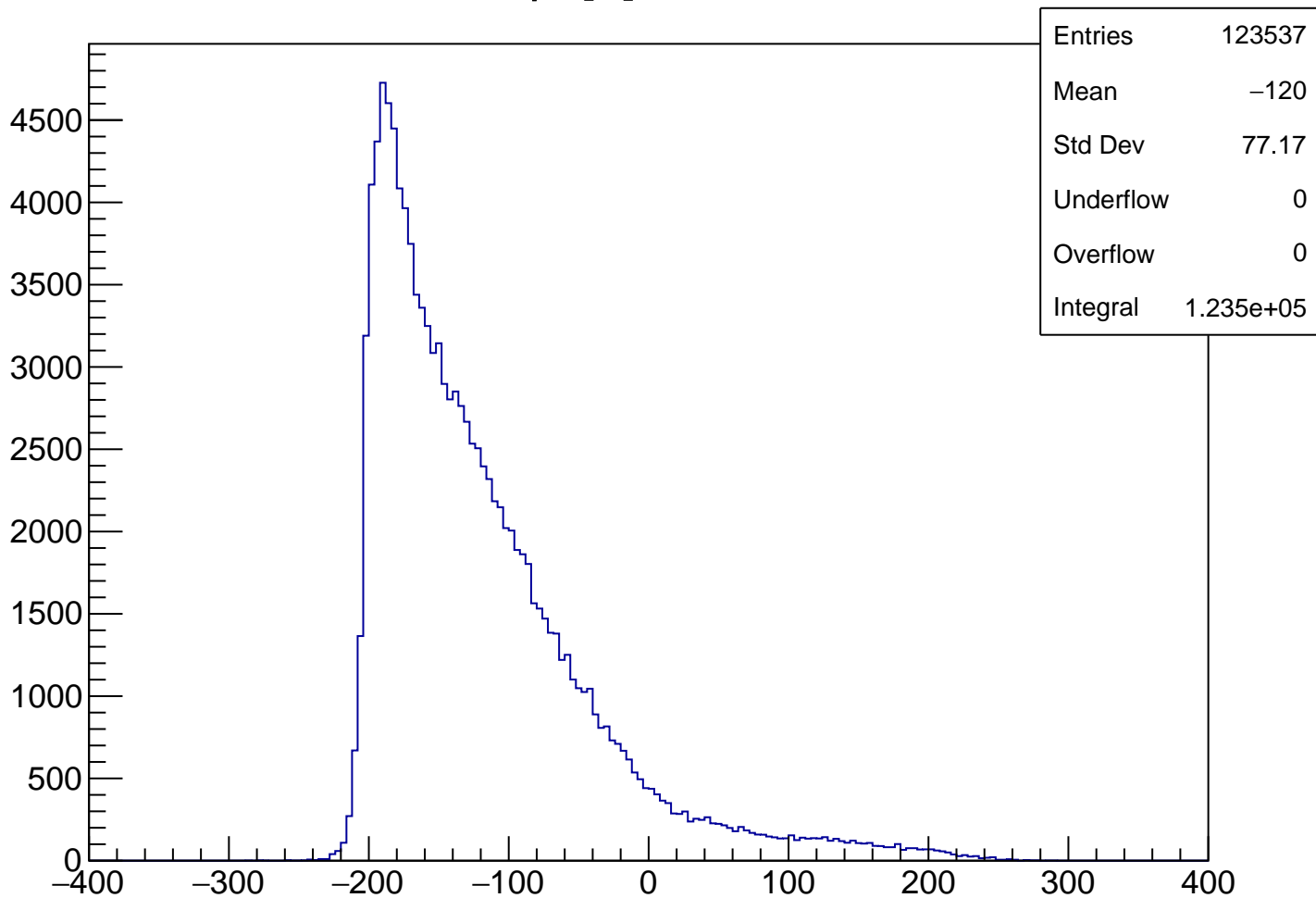
# chisqrKurama Cut1



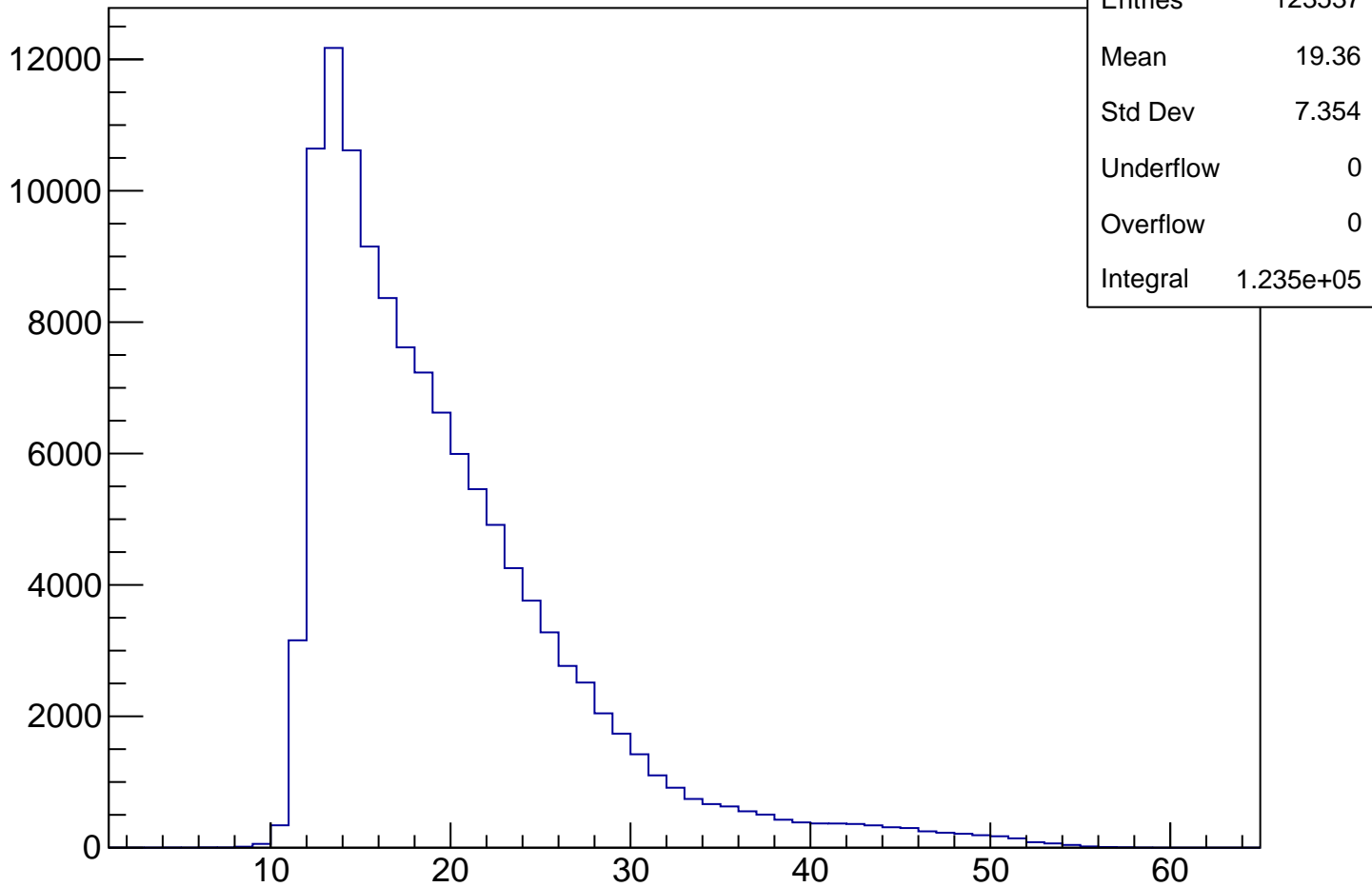
# qKurama Cut1



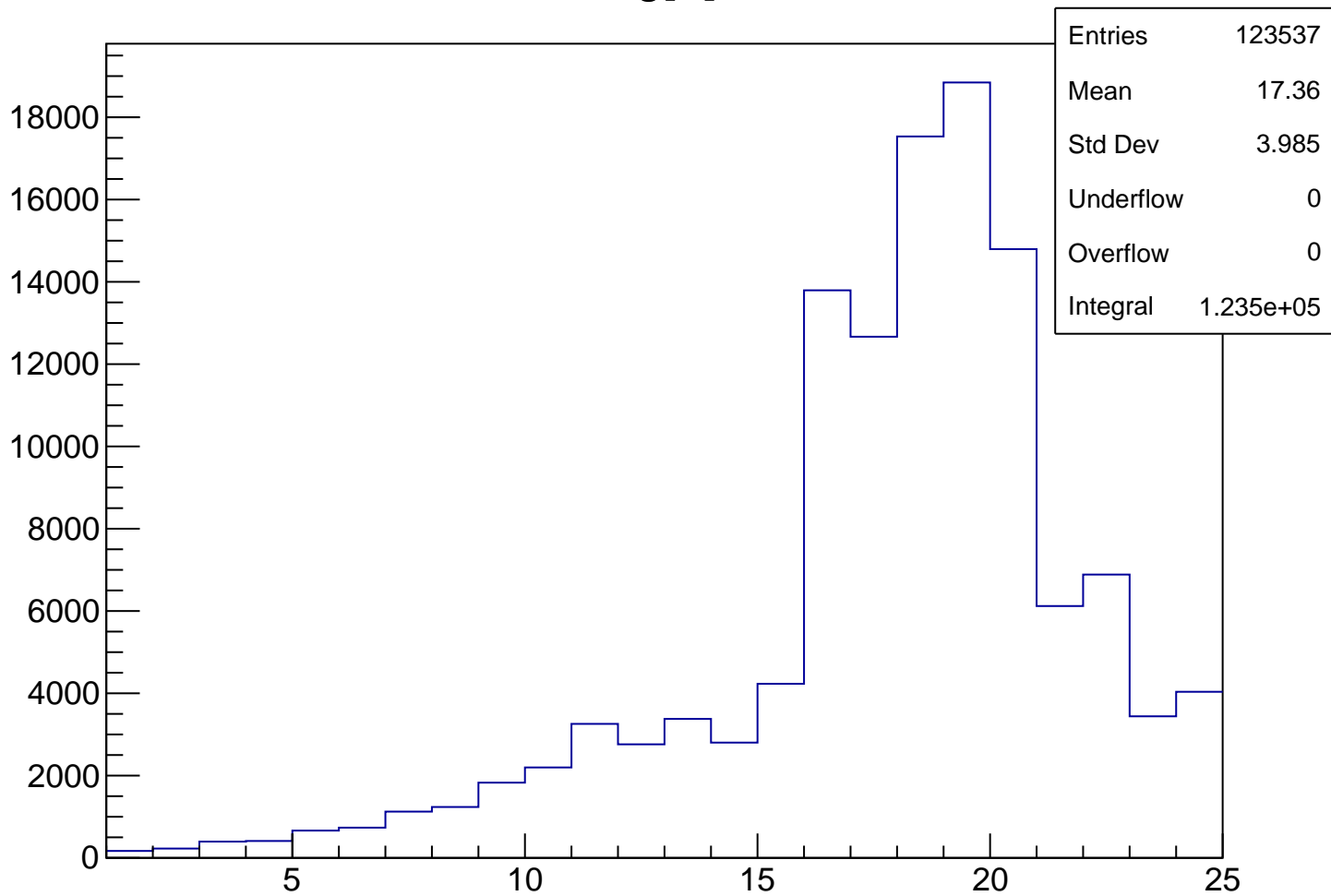
# vp<sub>x</sub>[1] Cut1 2



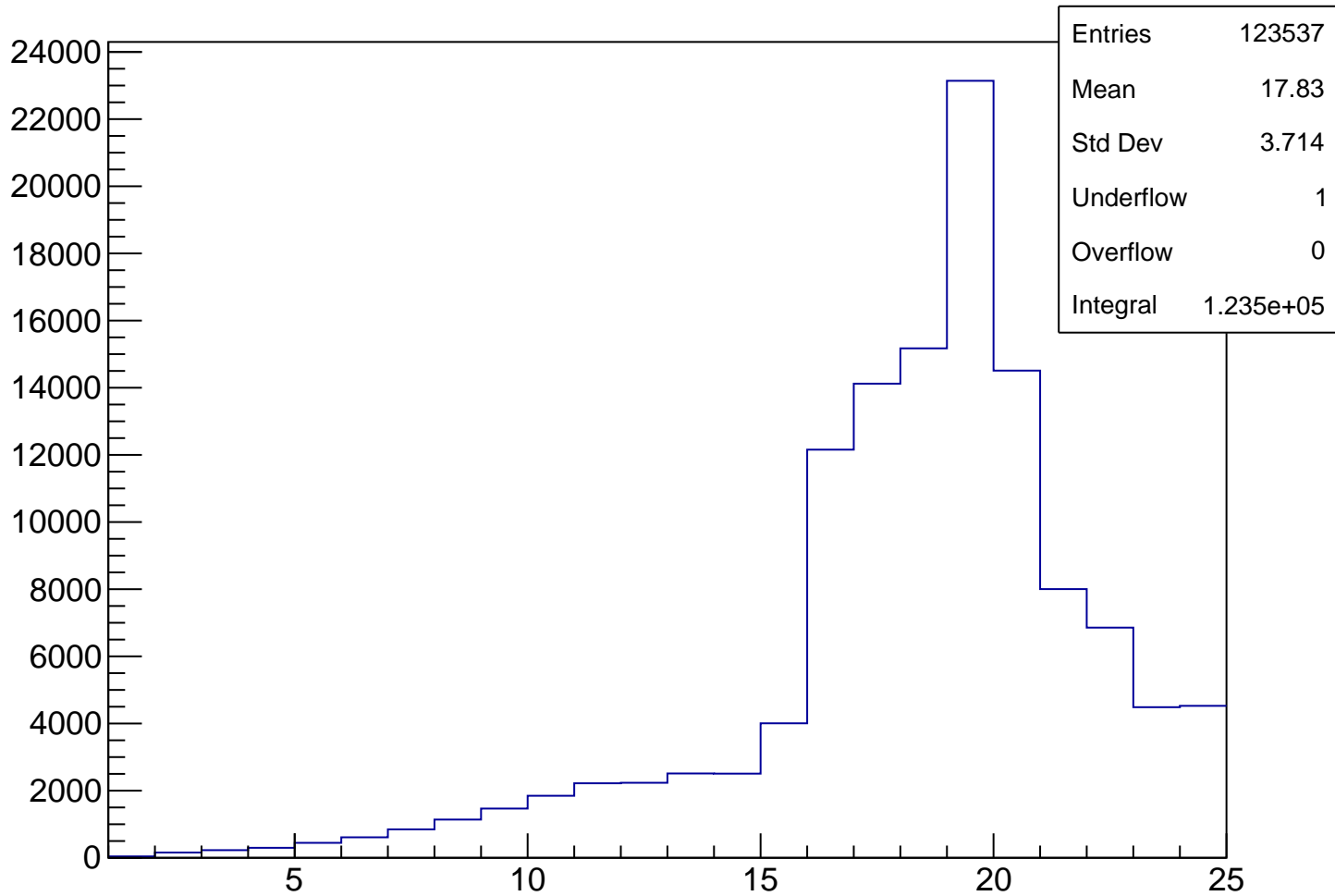
# vpseg[1] Cut1



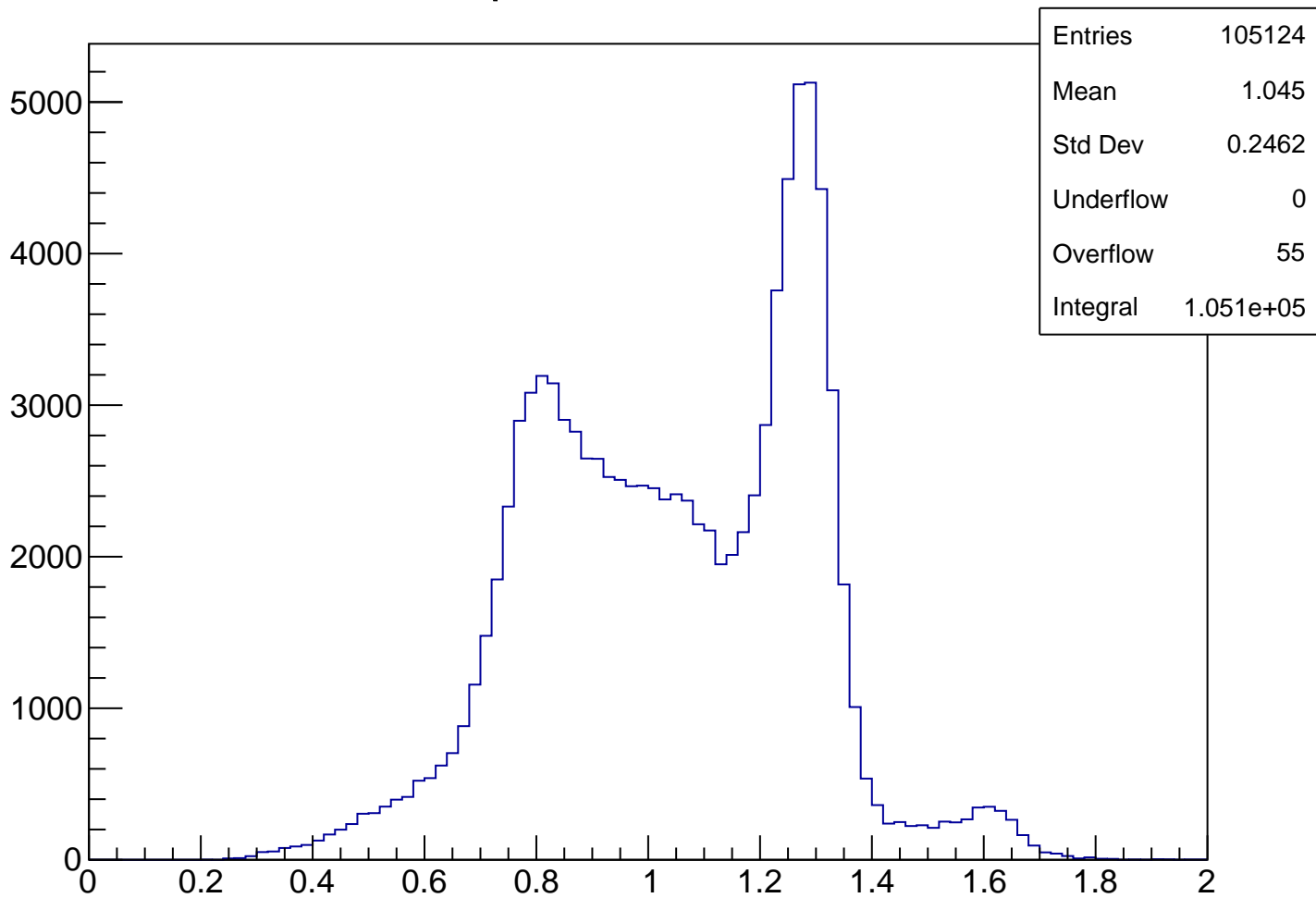
# TofSeg[0] Cut1



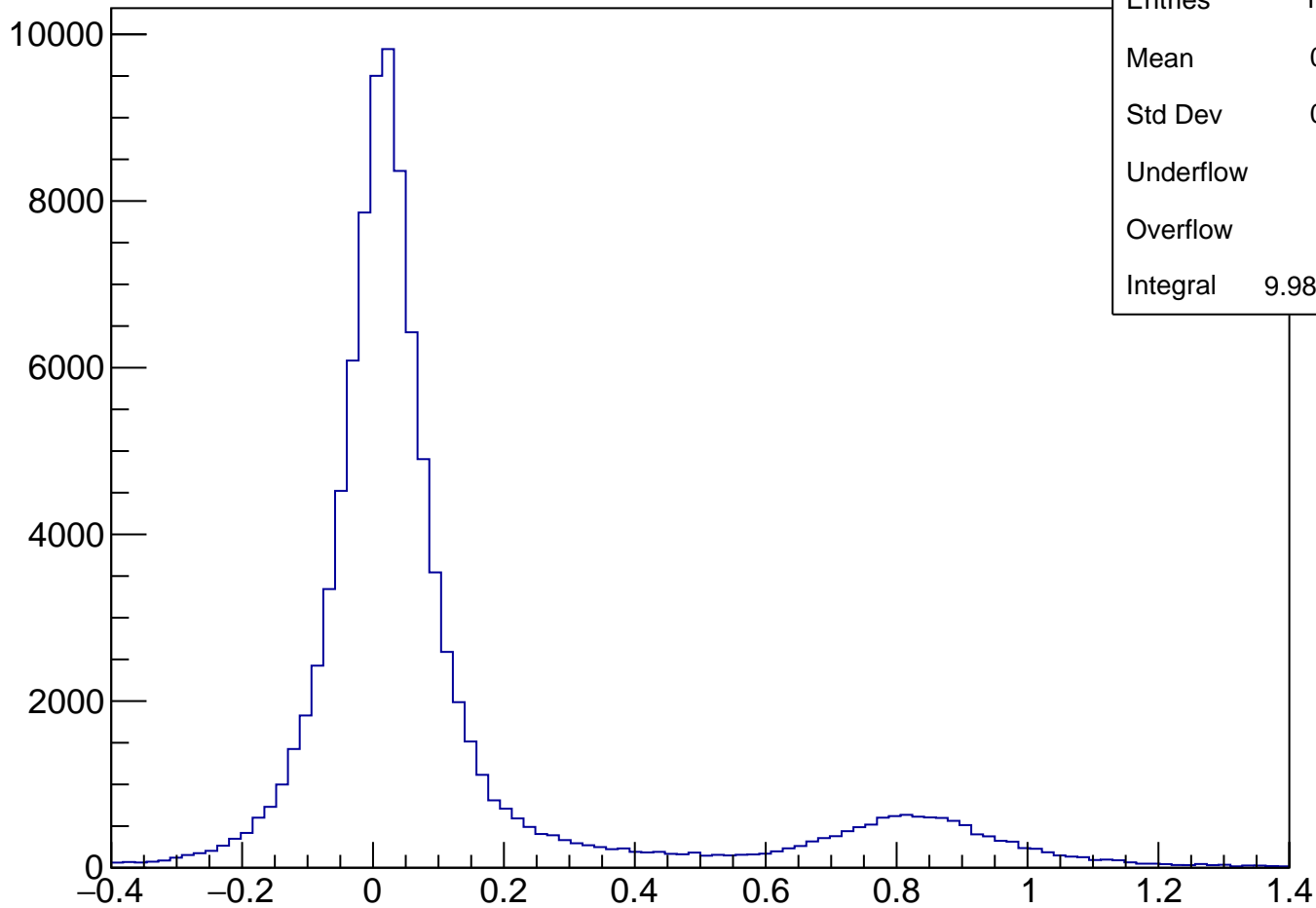
# tofsegKurama[0] Cut1



# pKurama Cut2

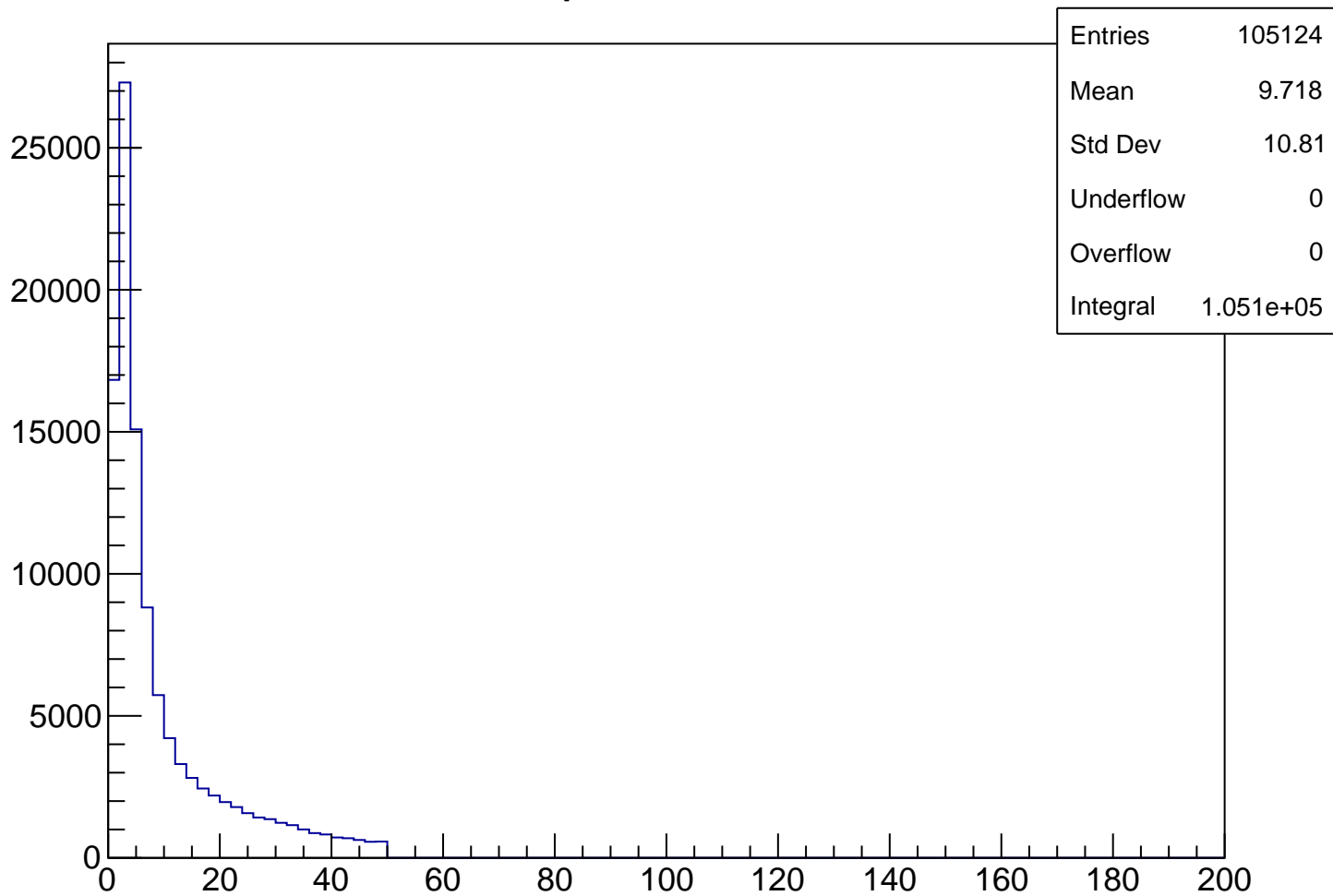


# m2 Cut2

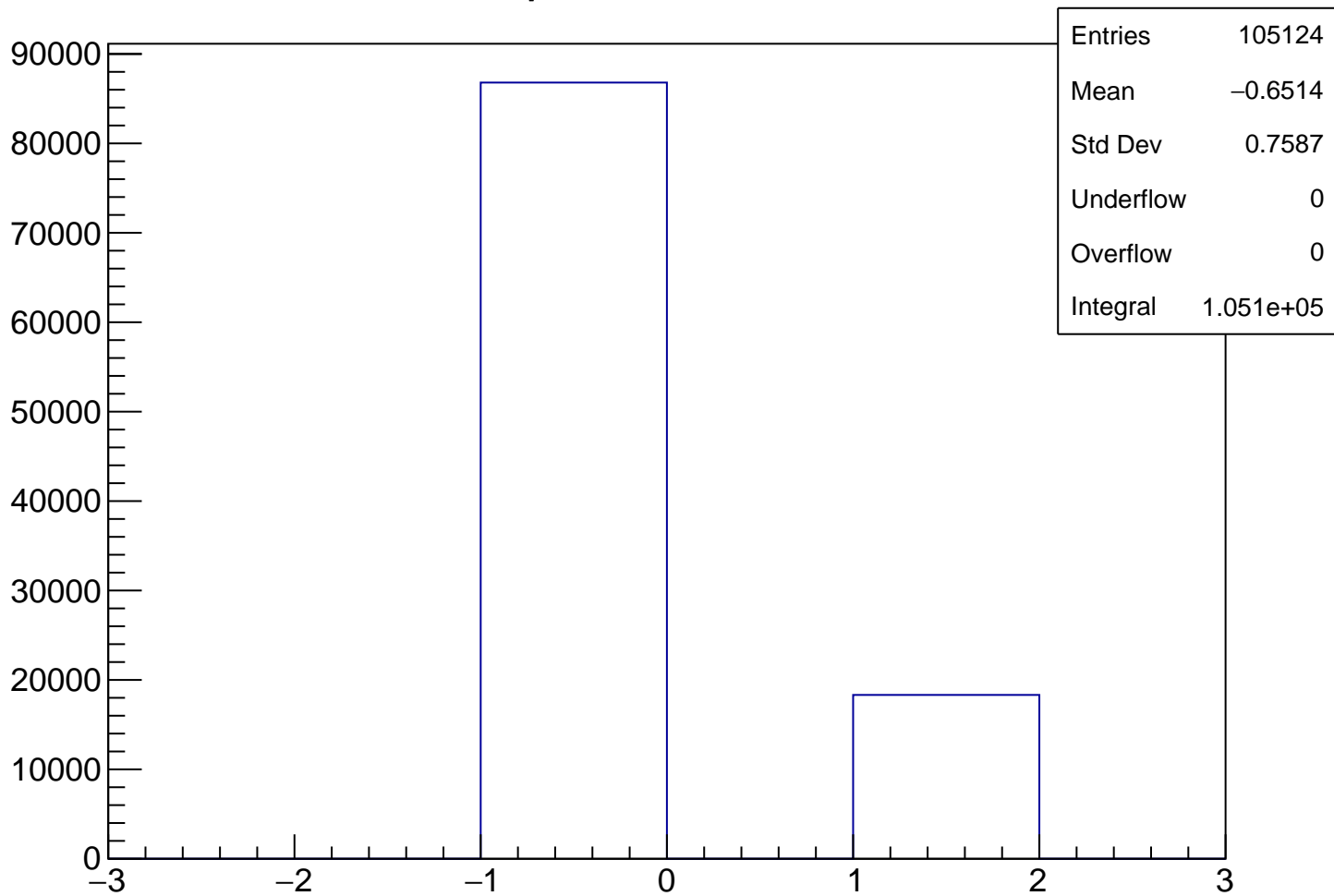




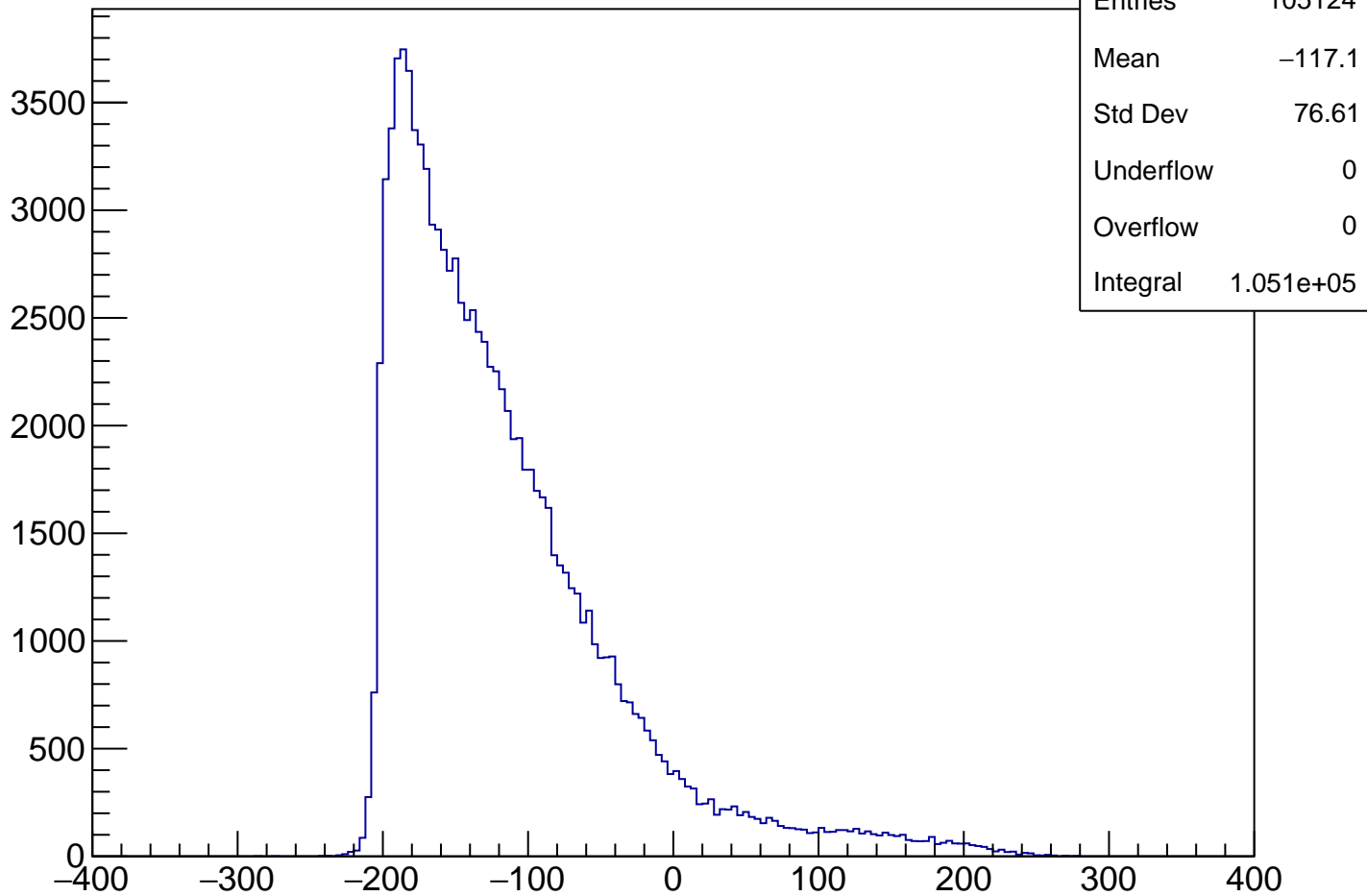
# chisqrKurama Cut2



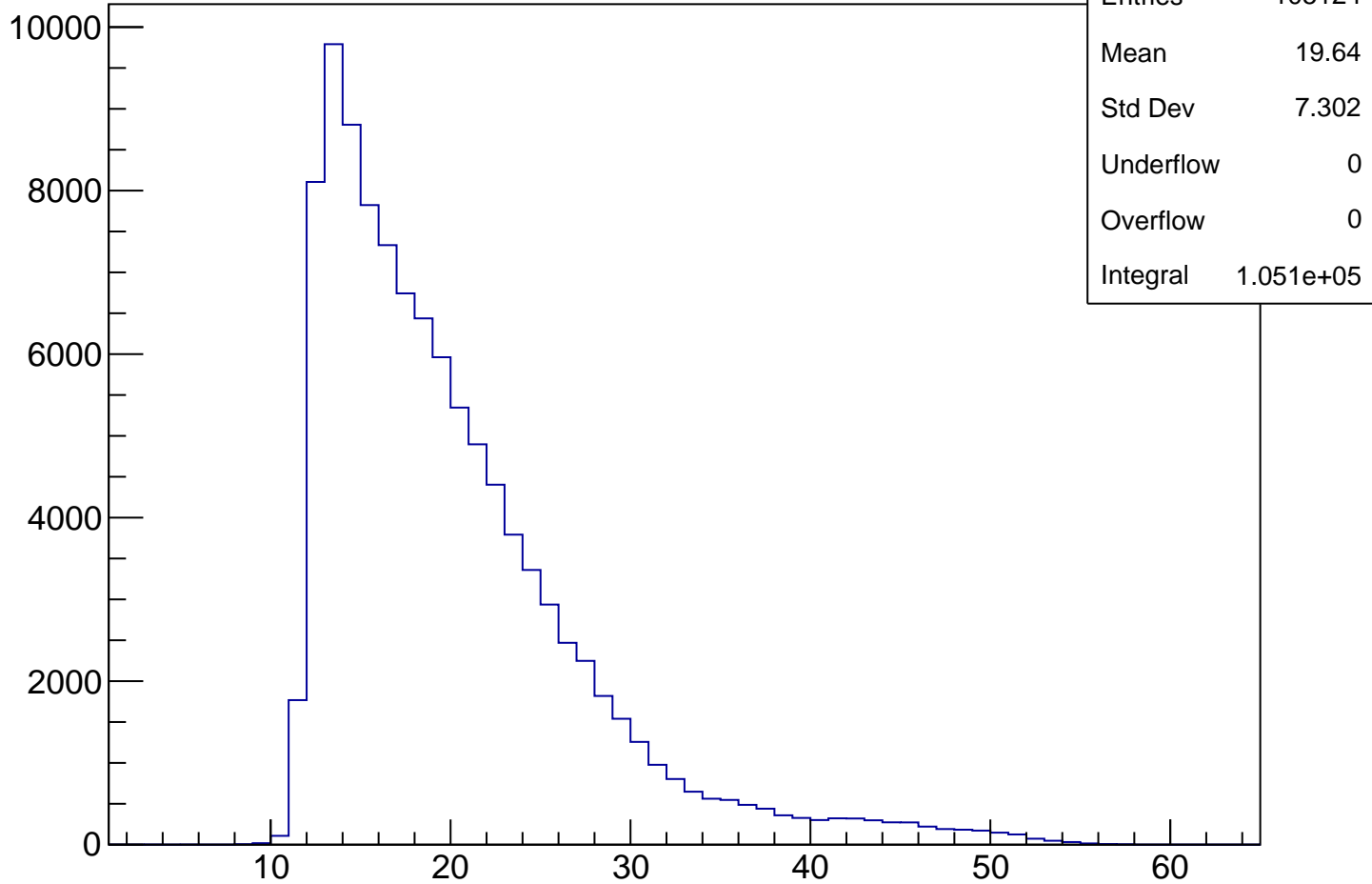
# qKurama Cut2



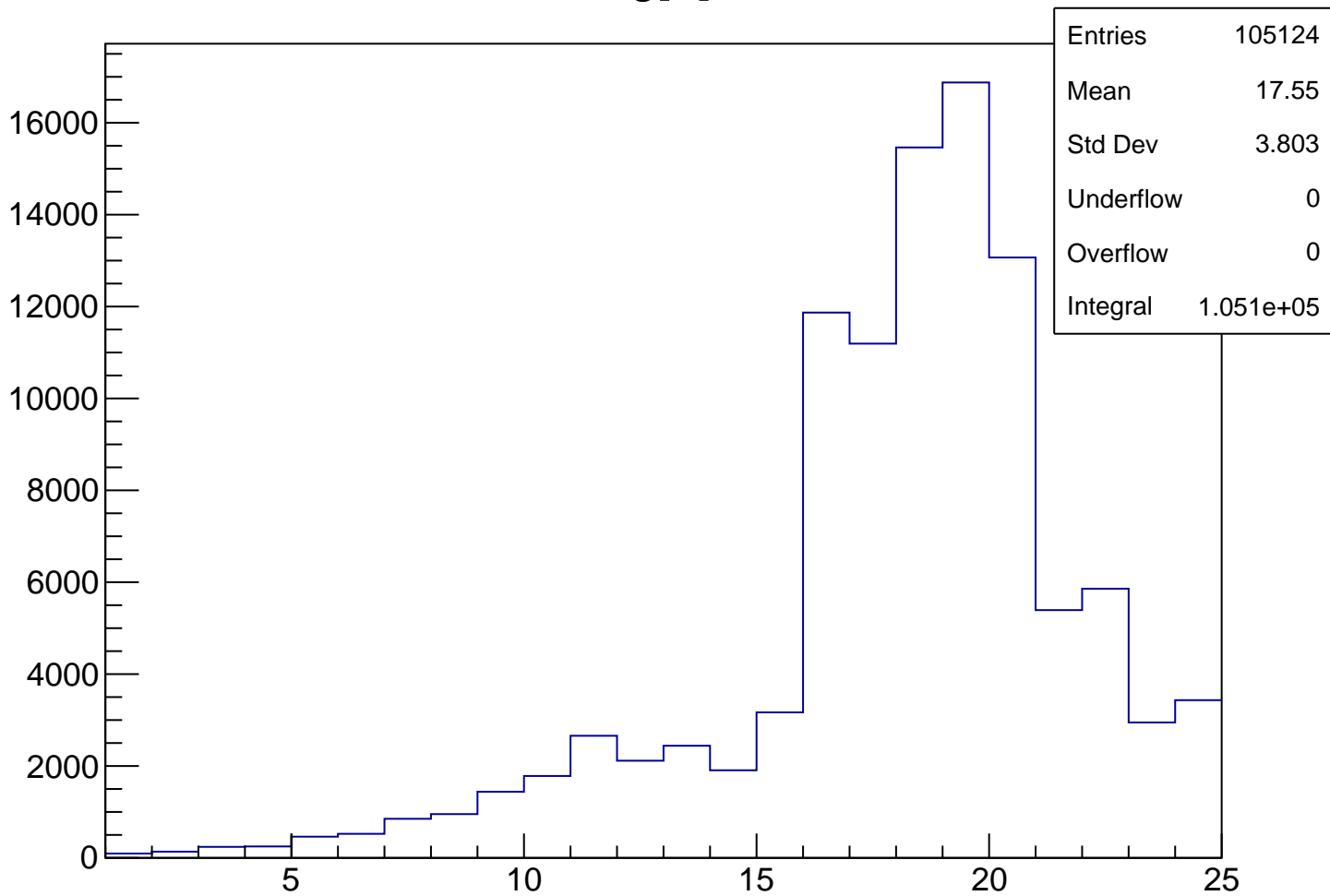
# vpx[1] Cut2



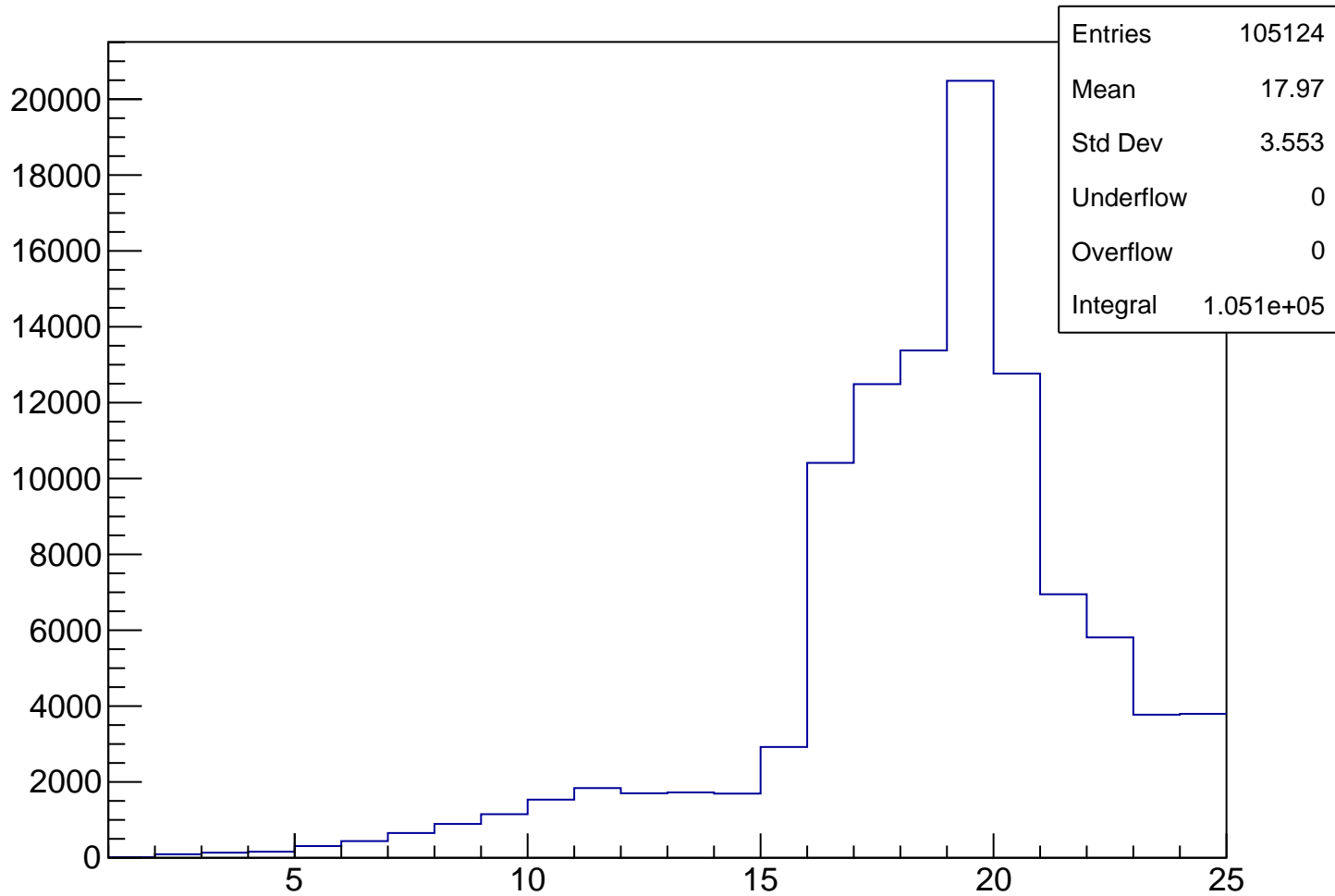
# vpseg[1] Cut2



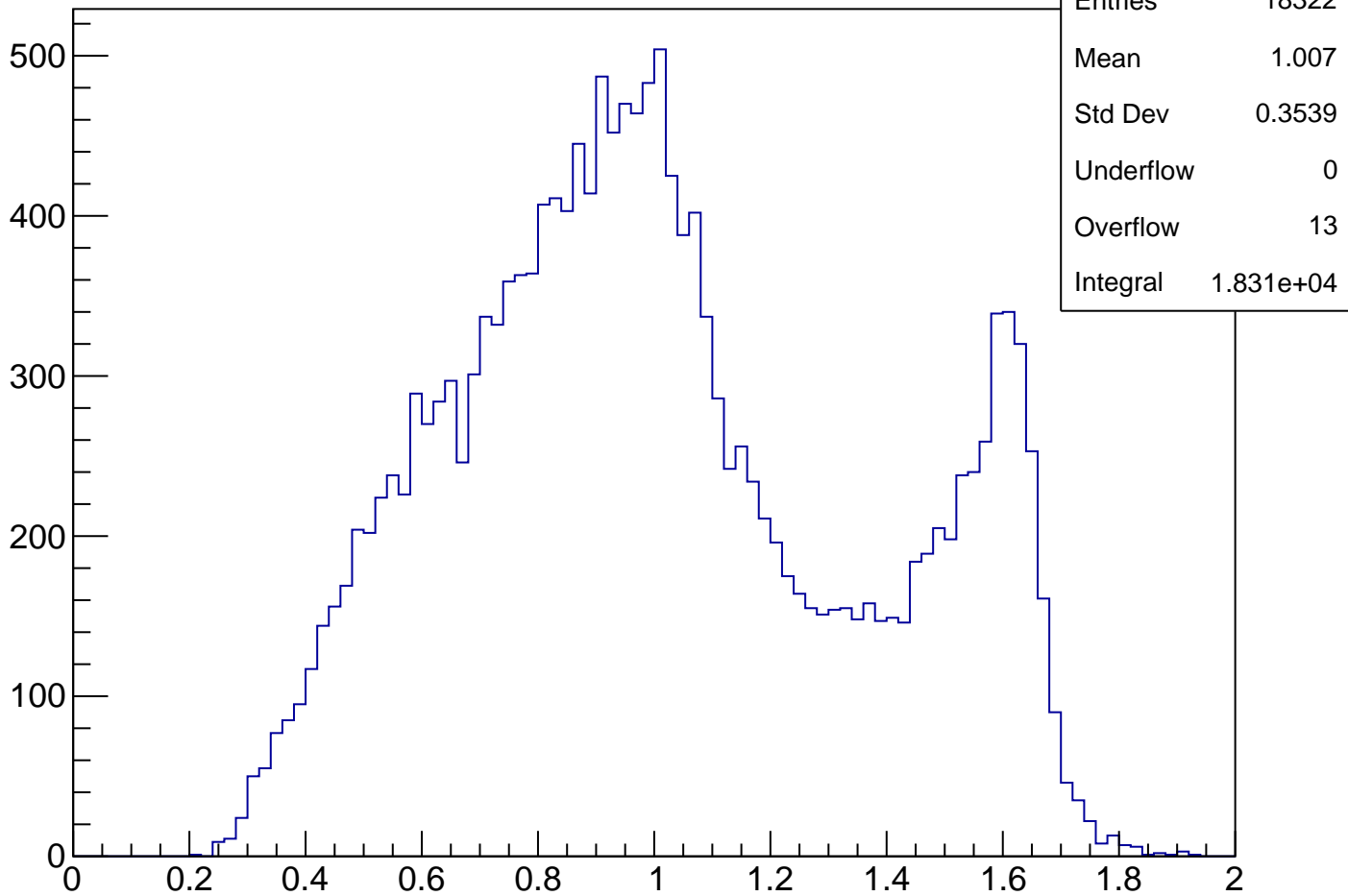
# TofSeg[0] Cut2



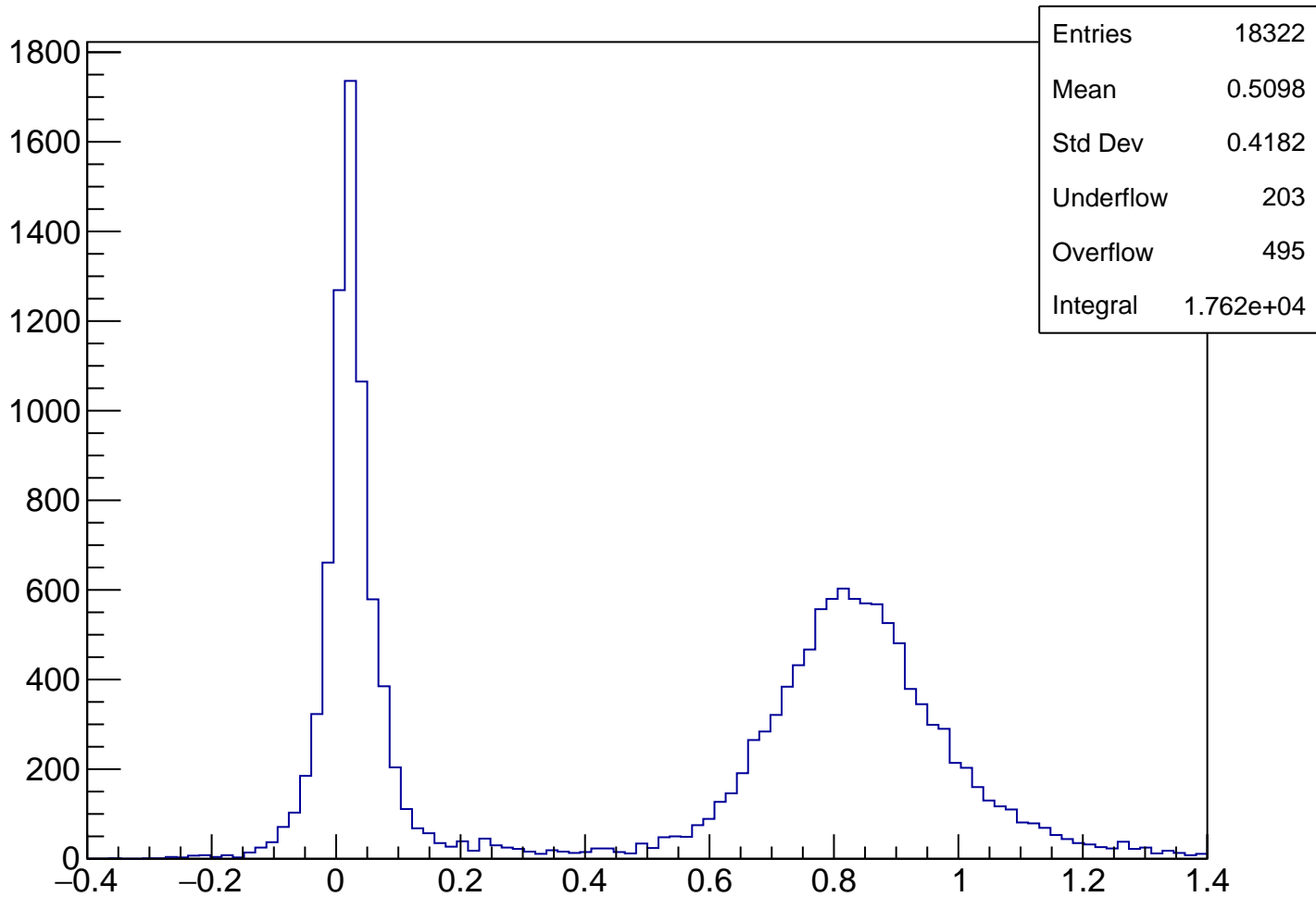
# tofsegKurama[0] Cut2



# pKurama Cut3

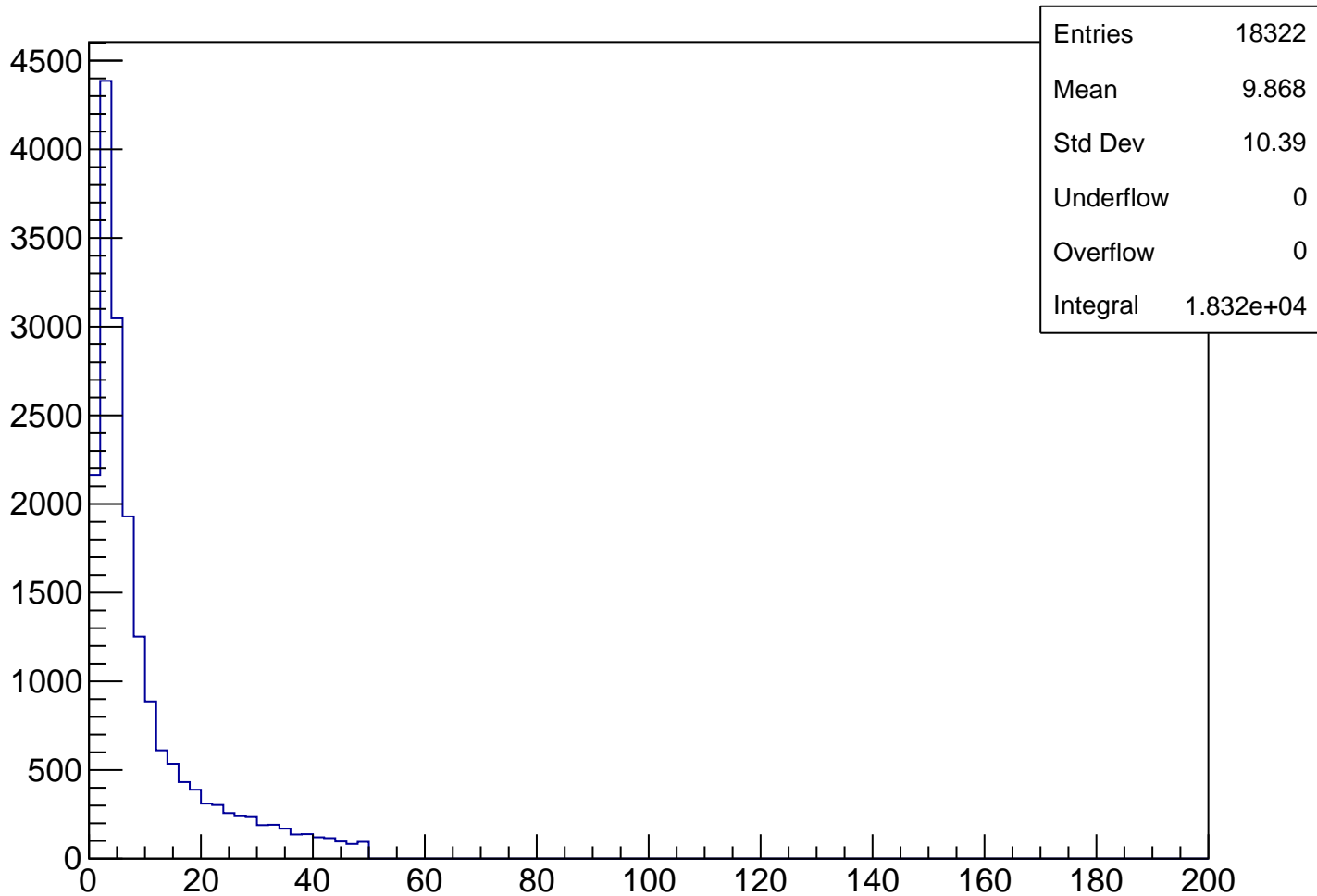


# m2 Cut3

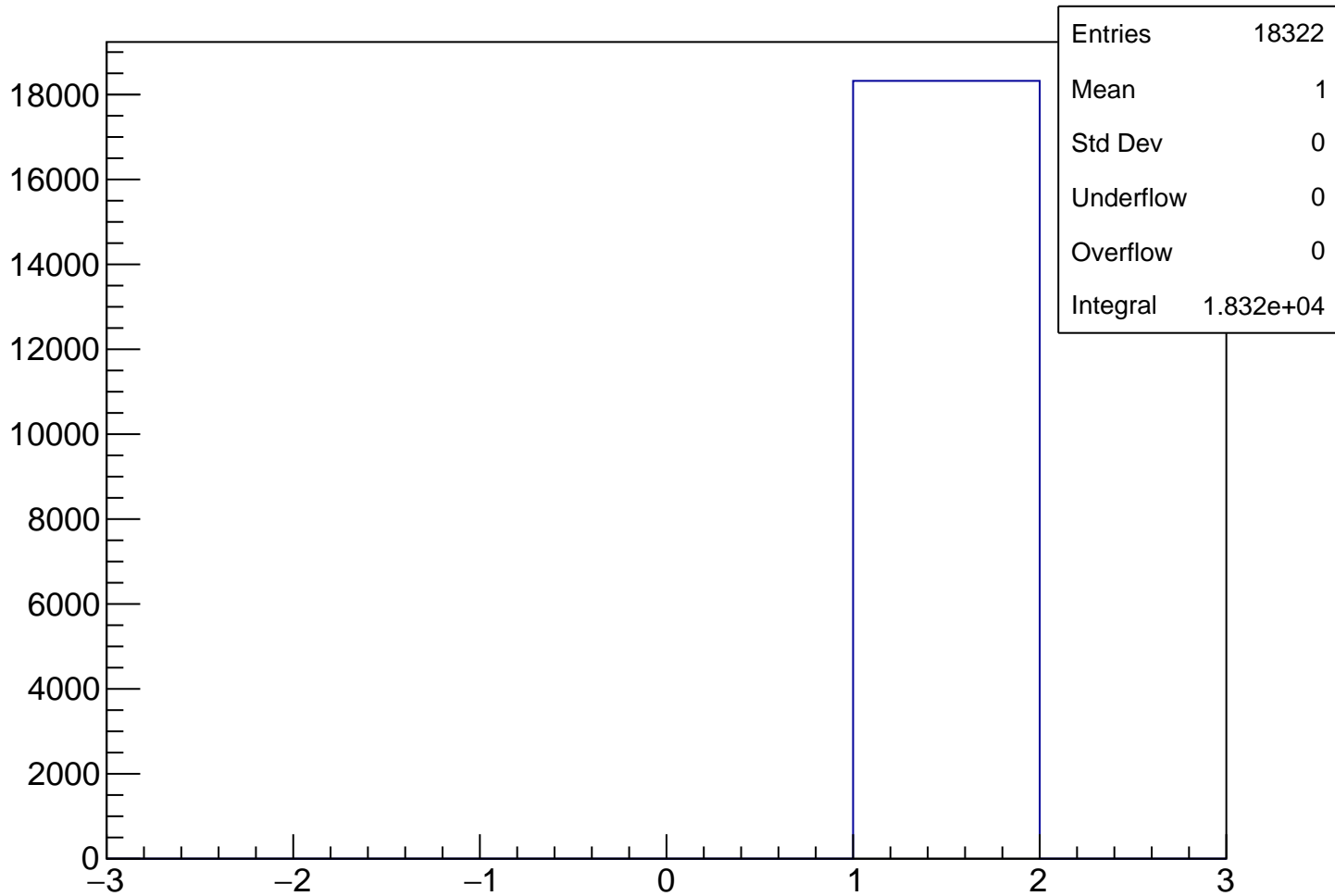




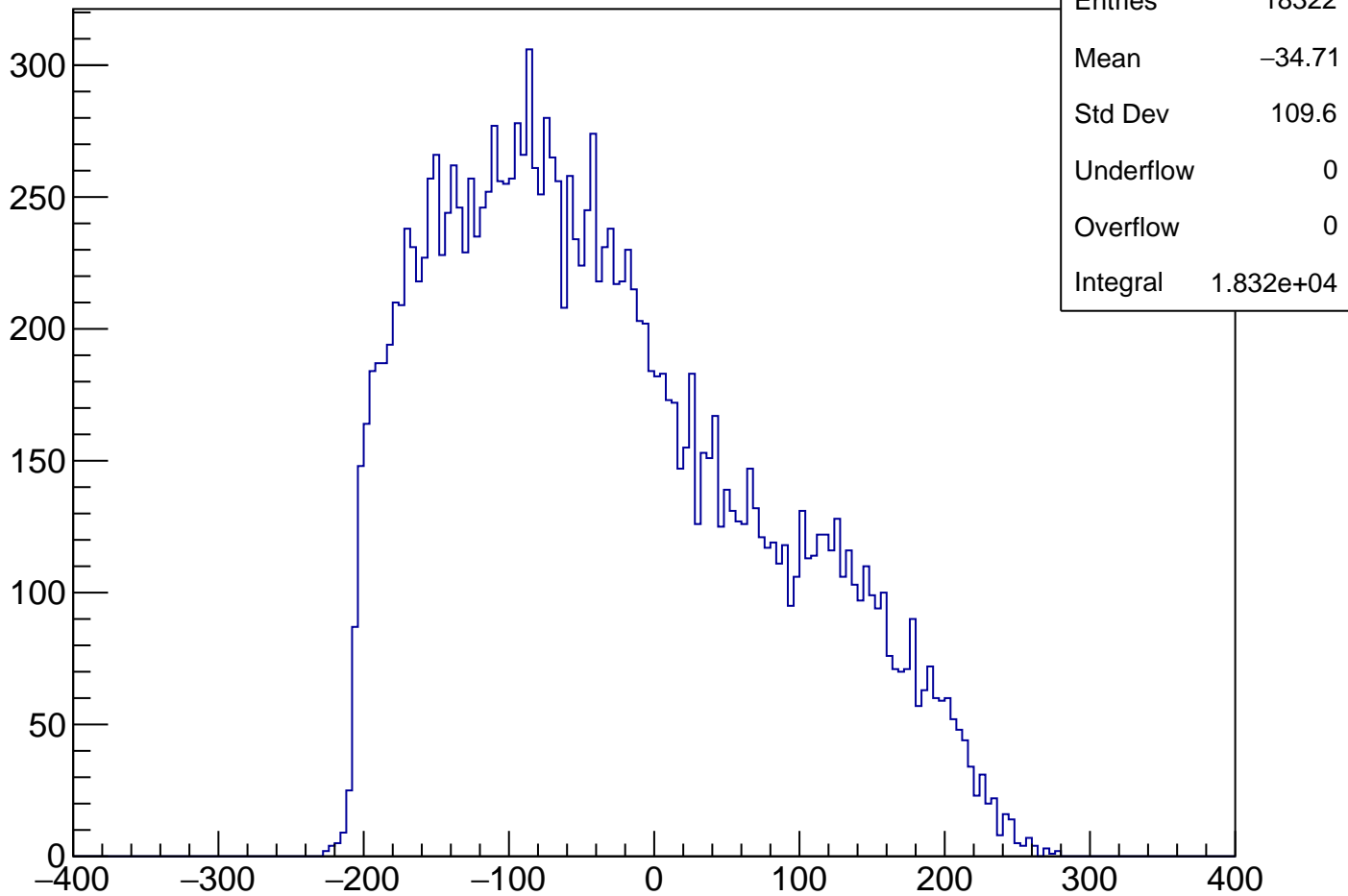
# chisqrKurama Cut3



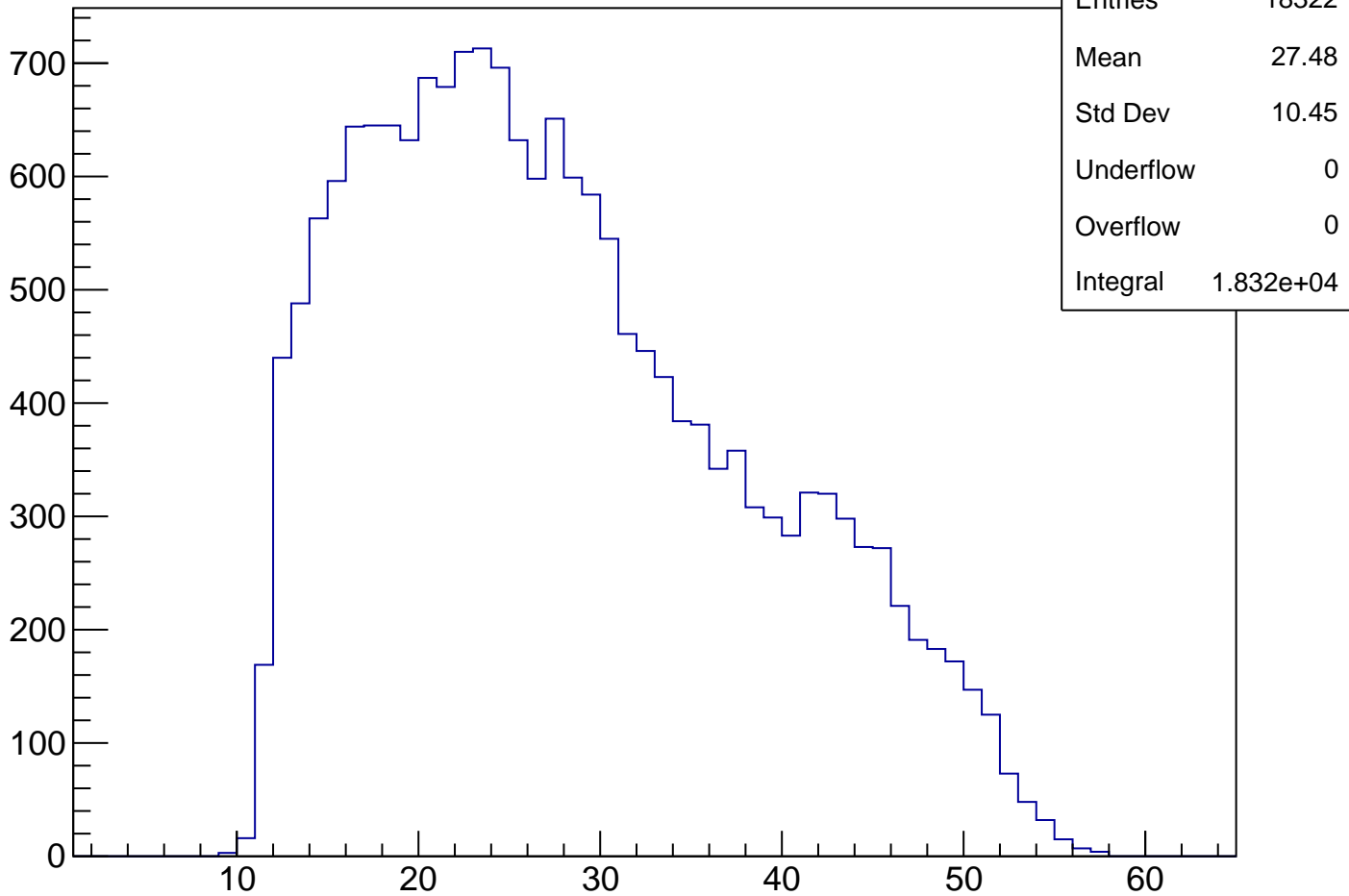
# qKurama Cut3



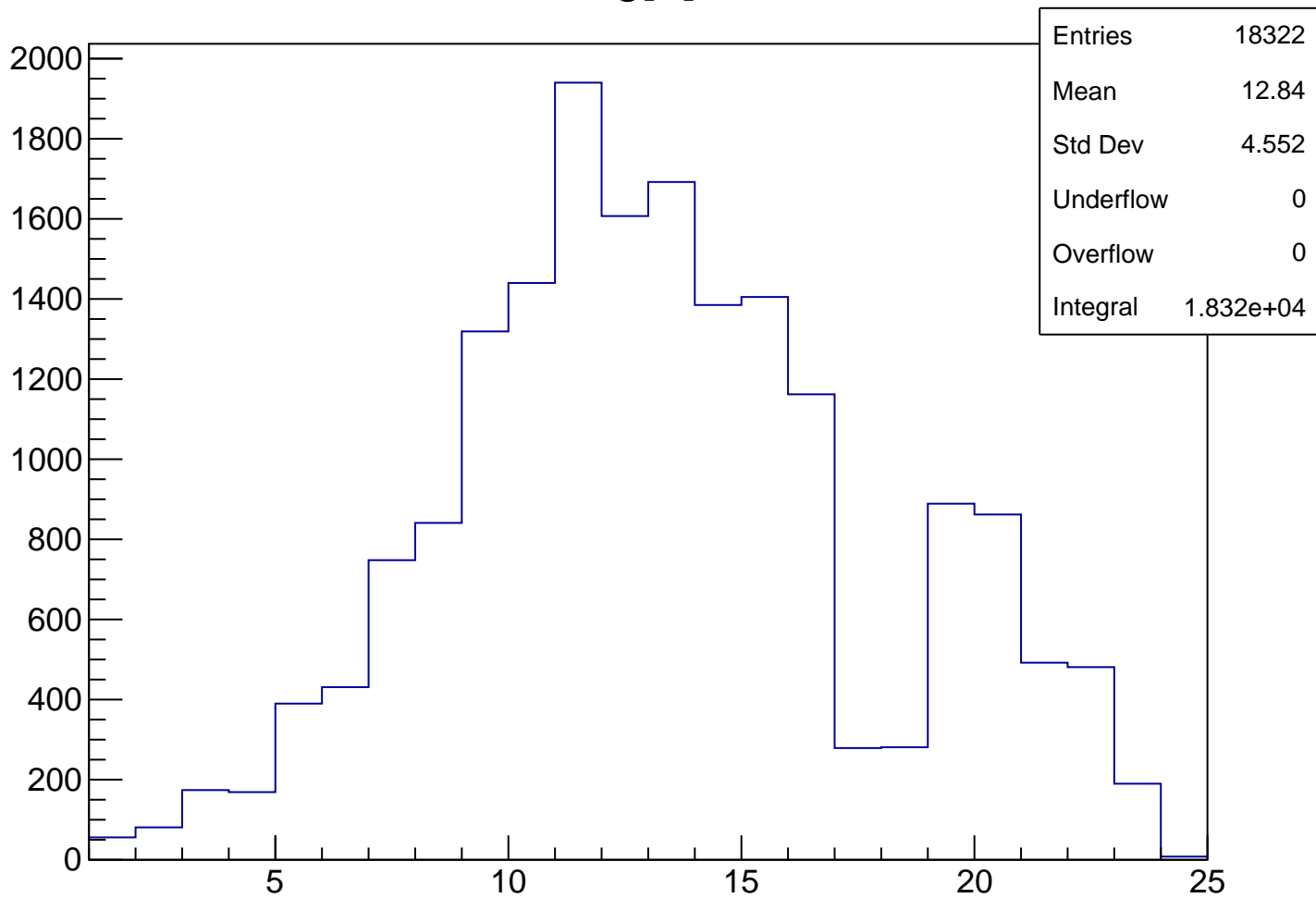
# vpx[1] Cut3



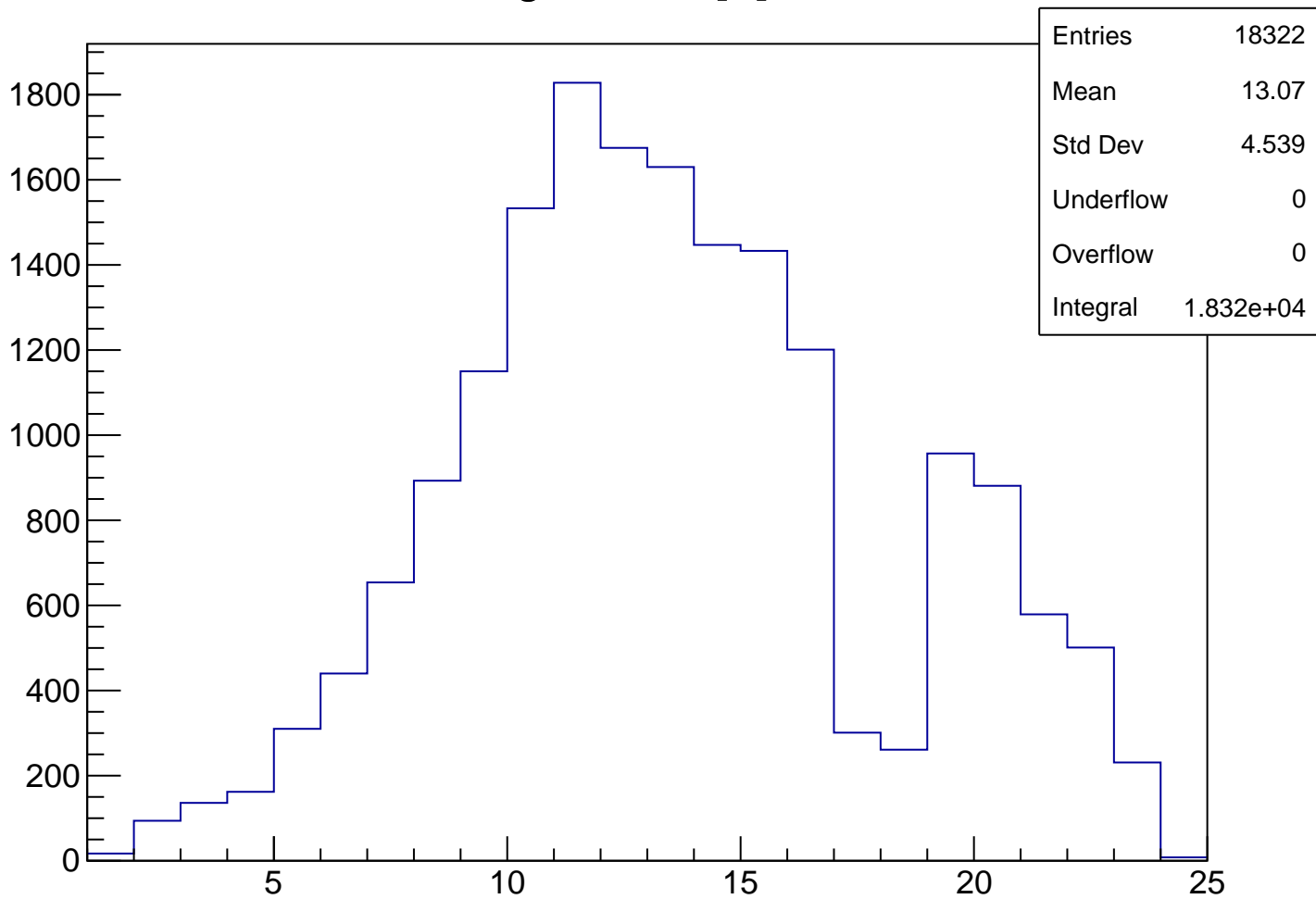
# vpseg[1] Cut3



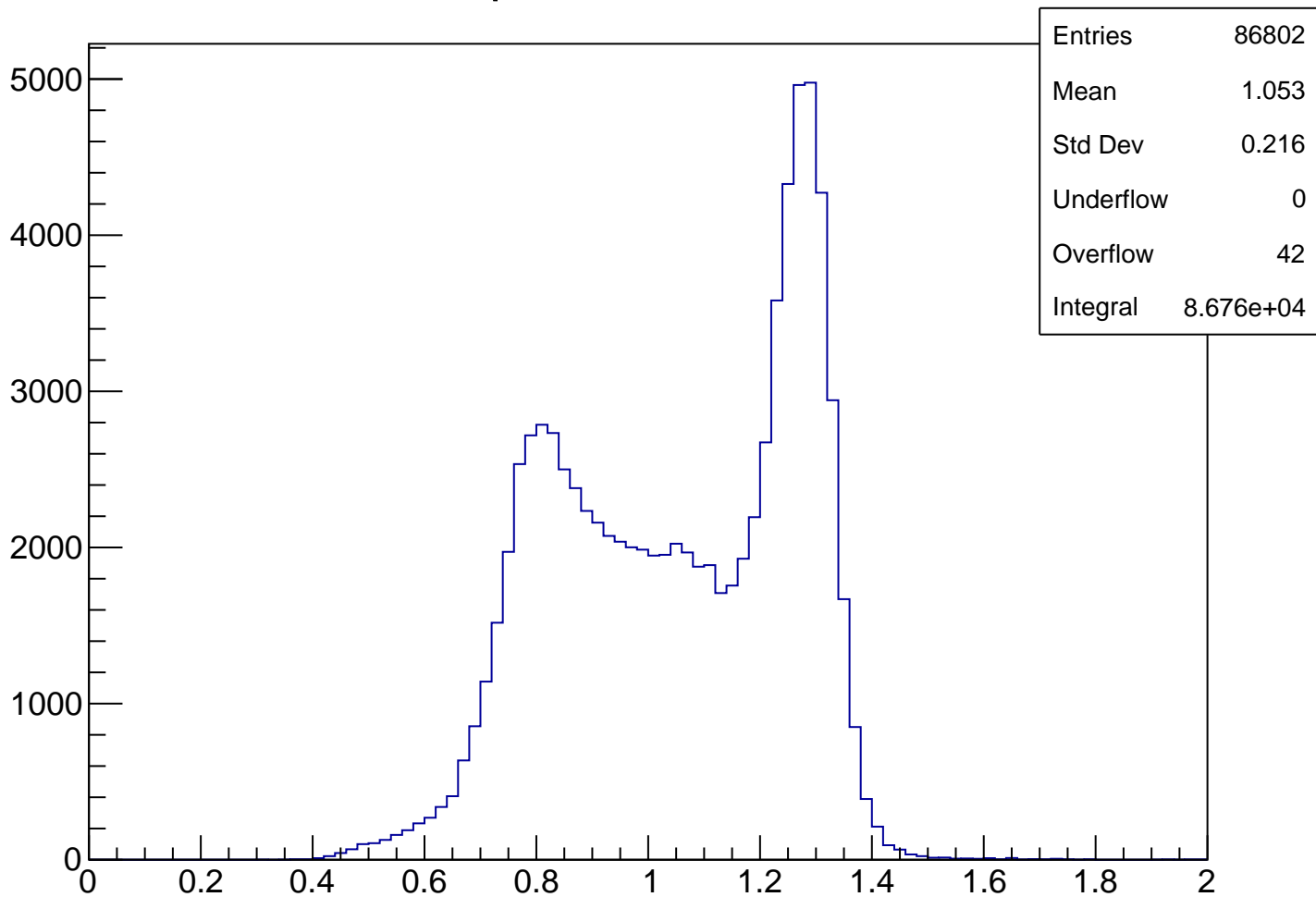
# TofSeg[0] Cut3



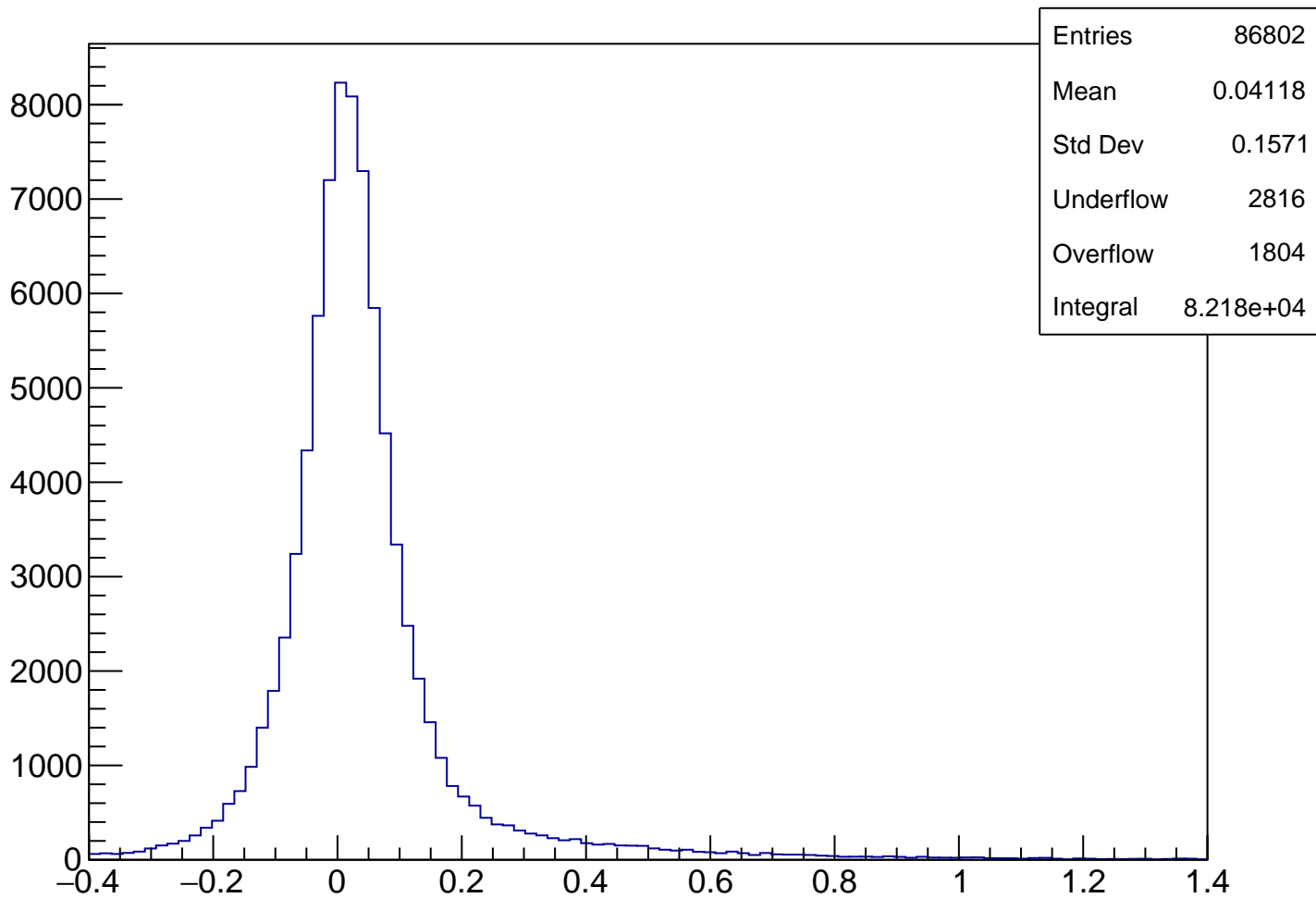
# tofsegKurama[0] Cut3



# pKurama Cut4

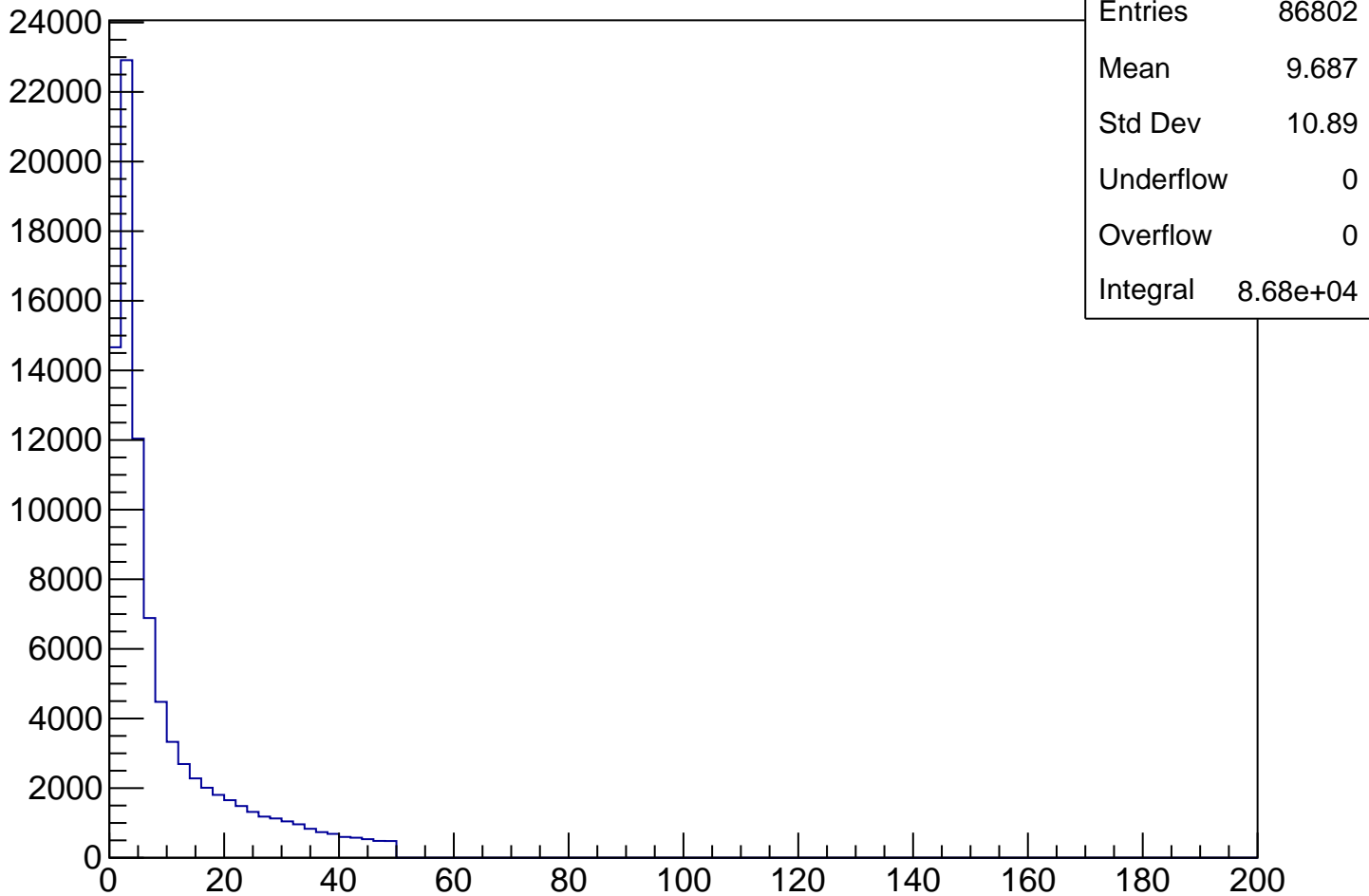


# m2 Cut4

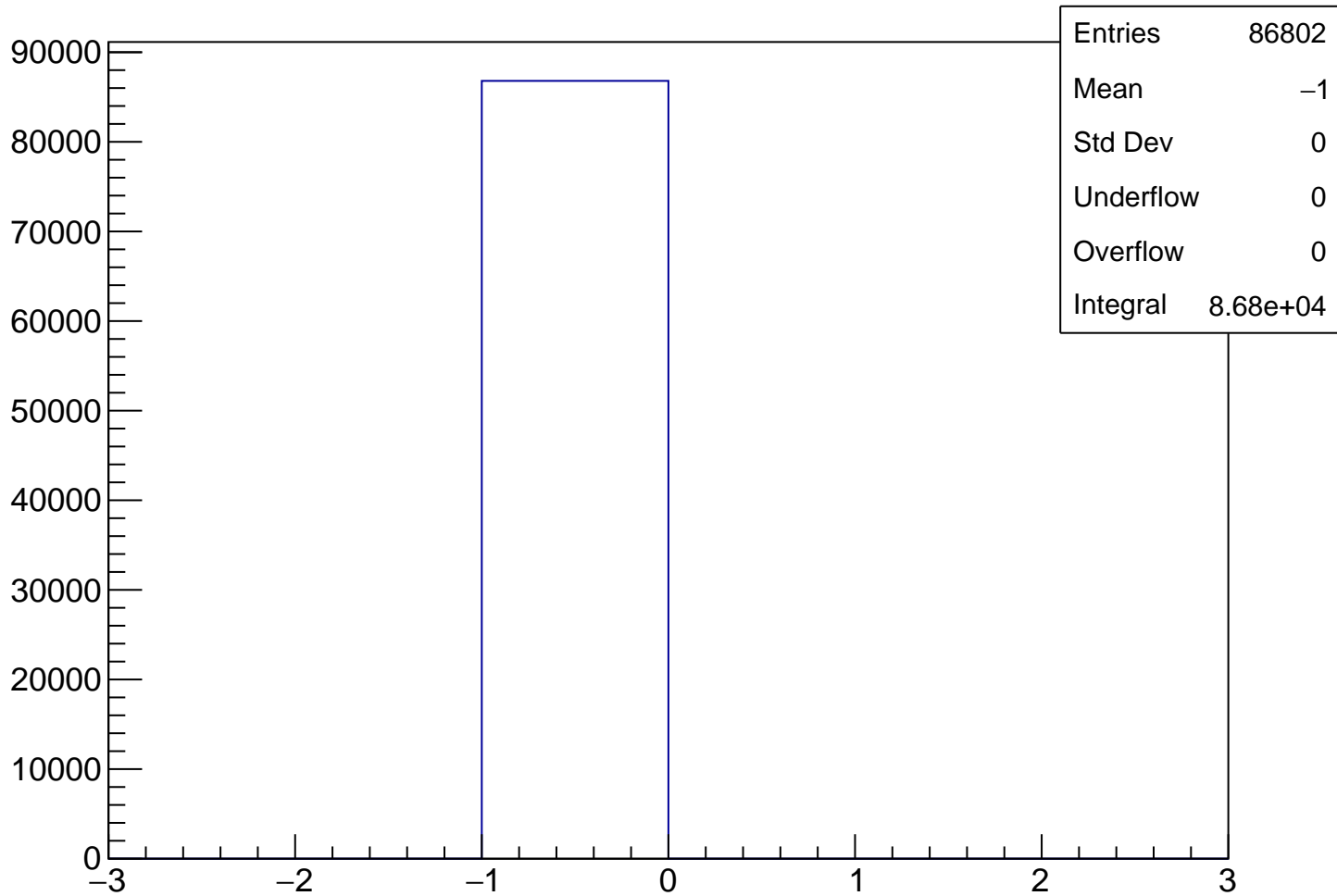




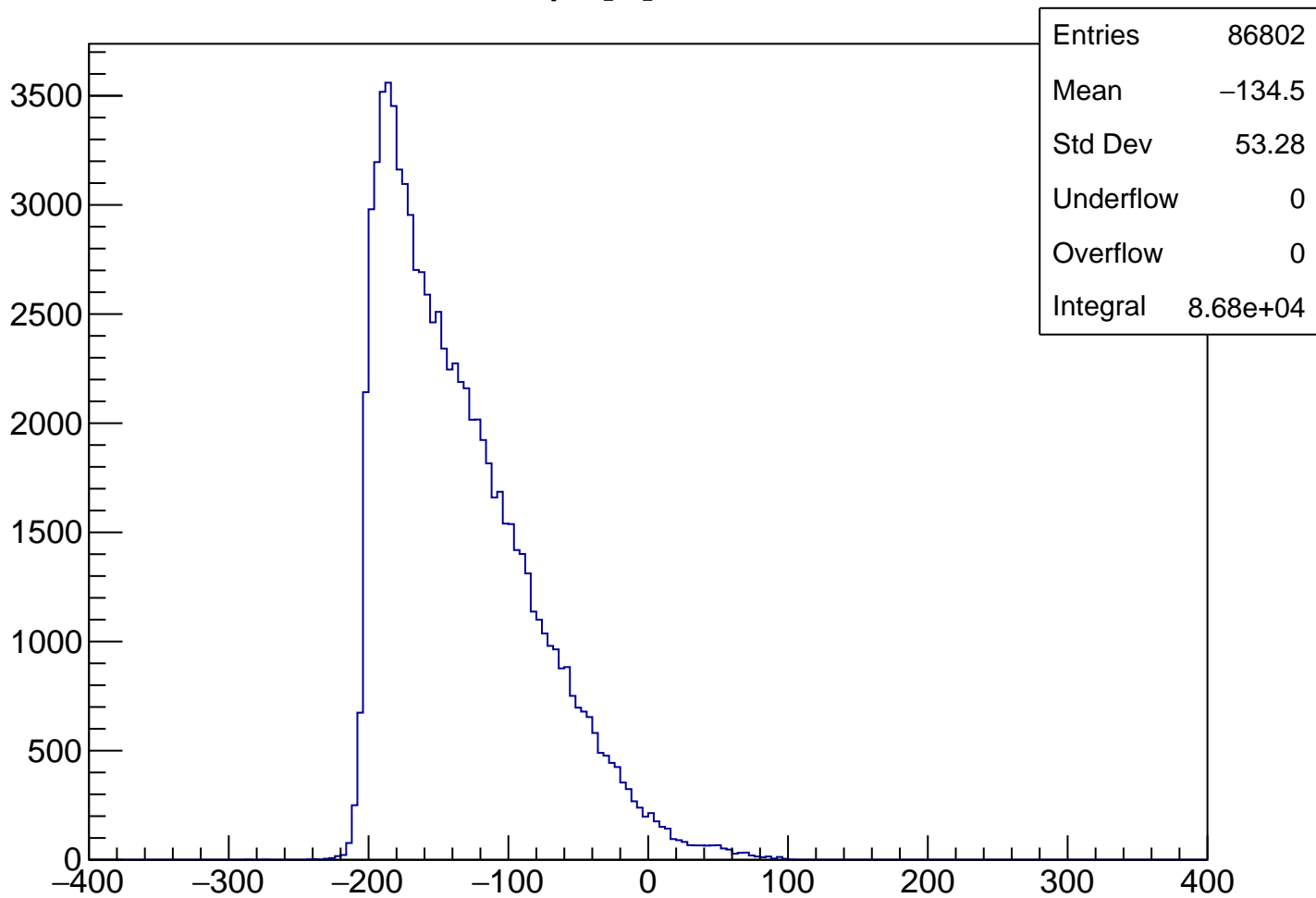
# chisqrKurama Cut4



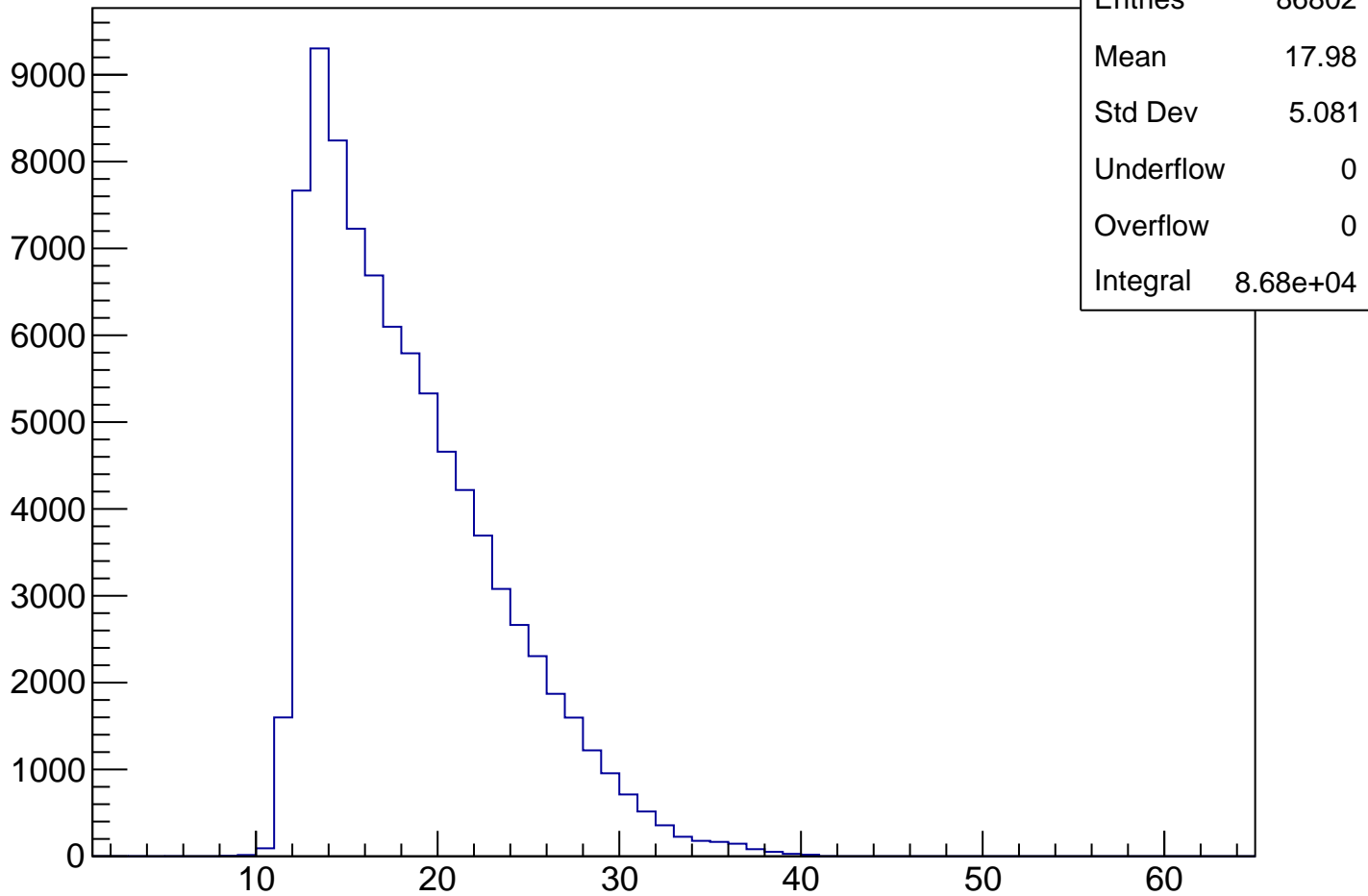
# qKurama Cut4



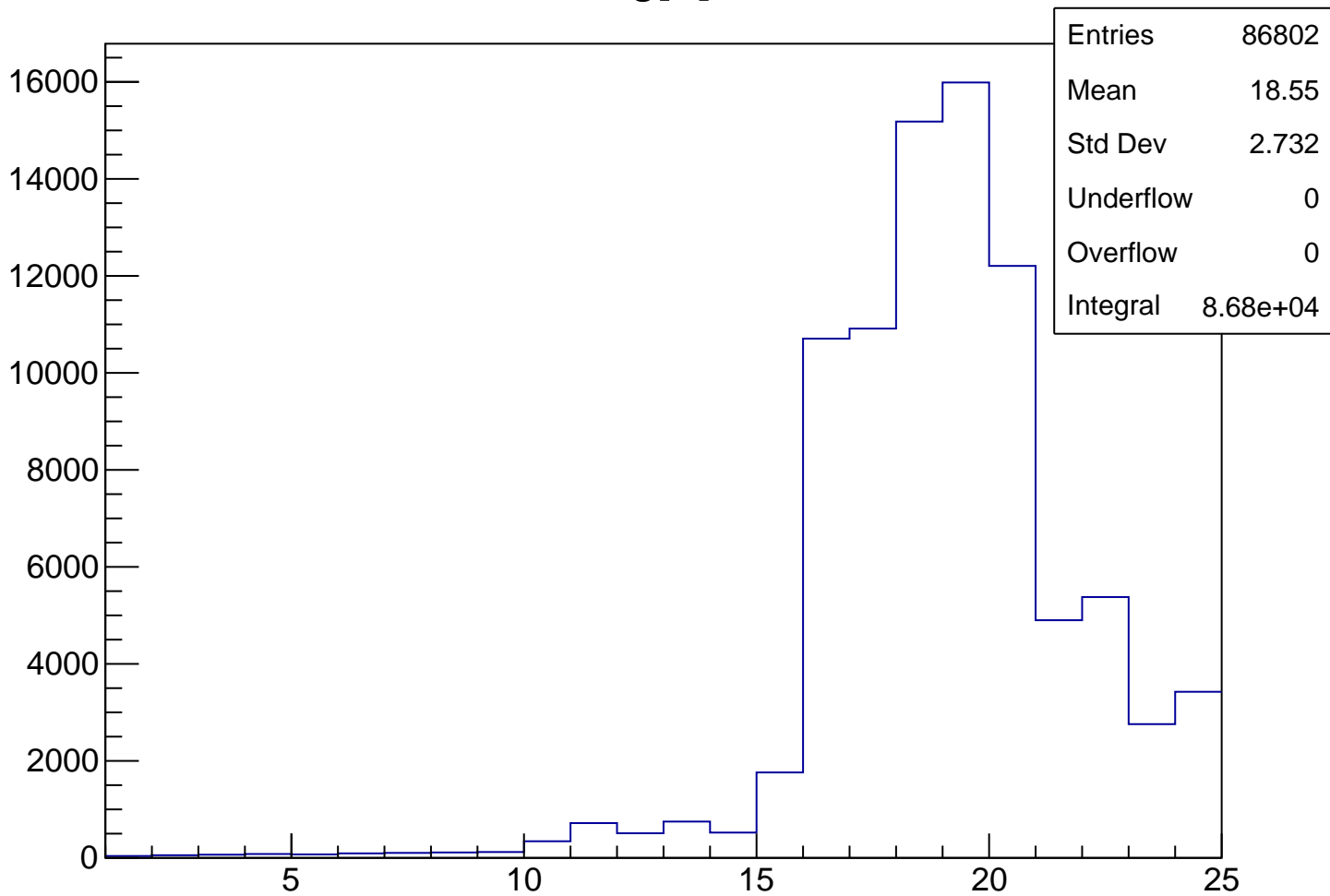
# vpx[1] Cut4



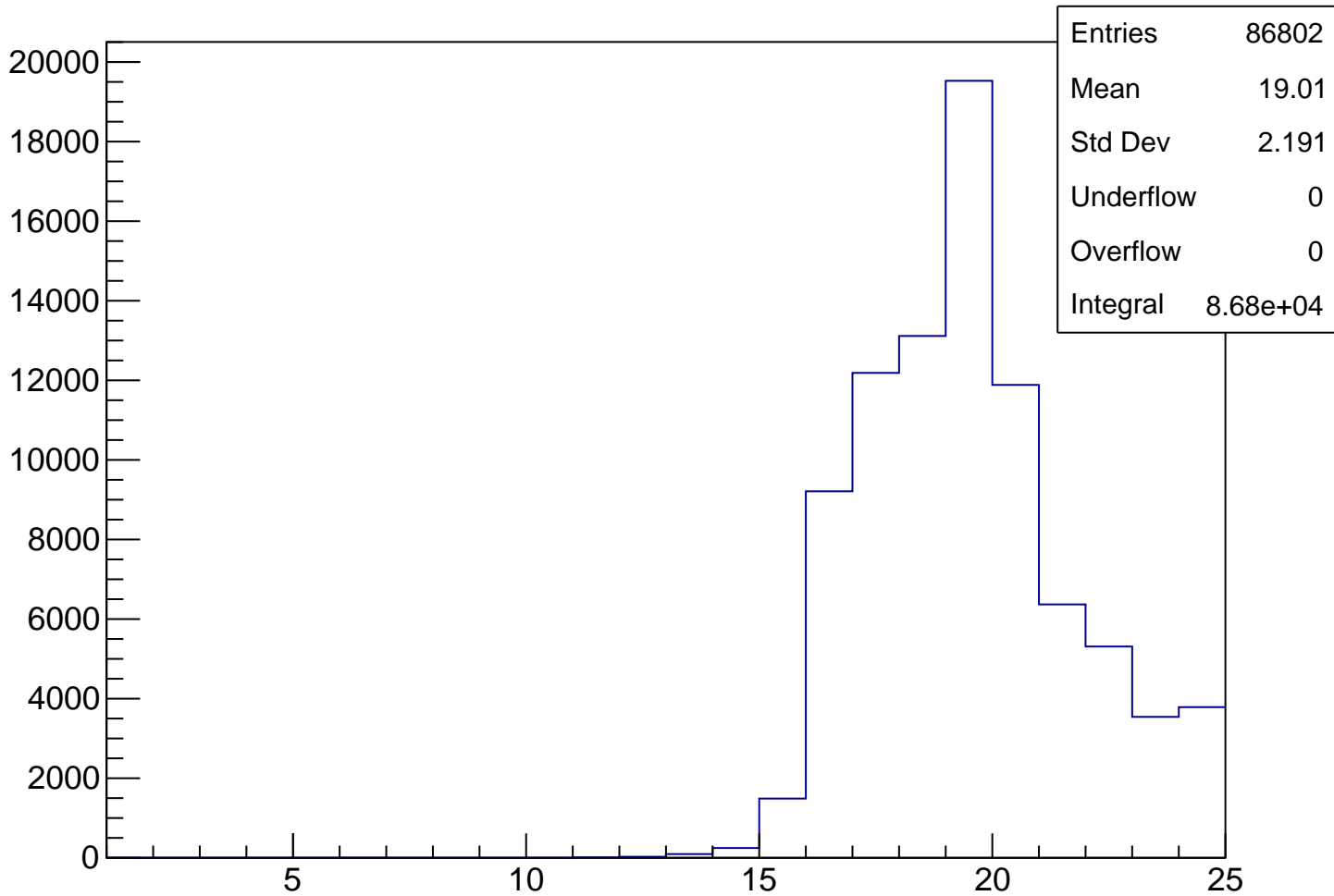
# vpseg[1] Cut4



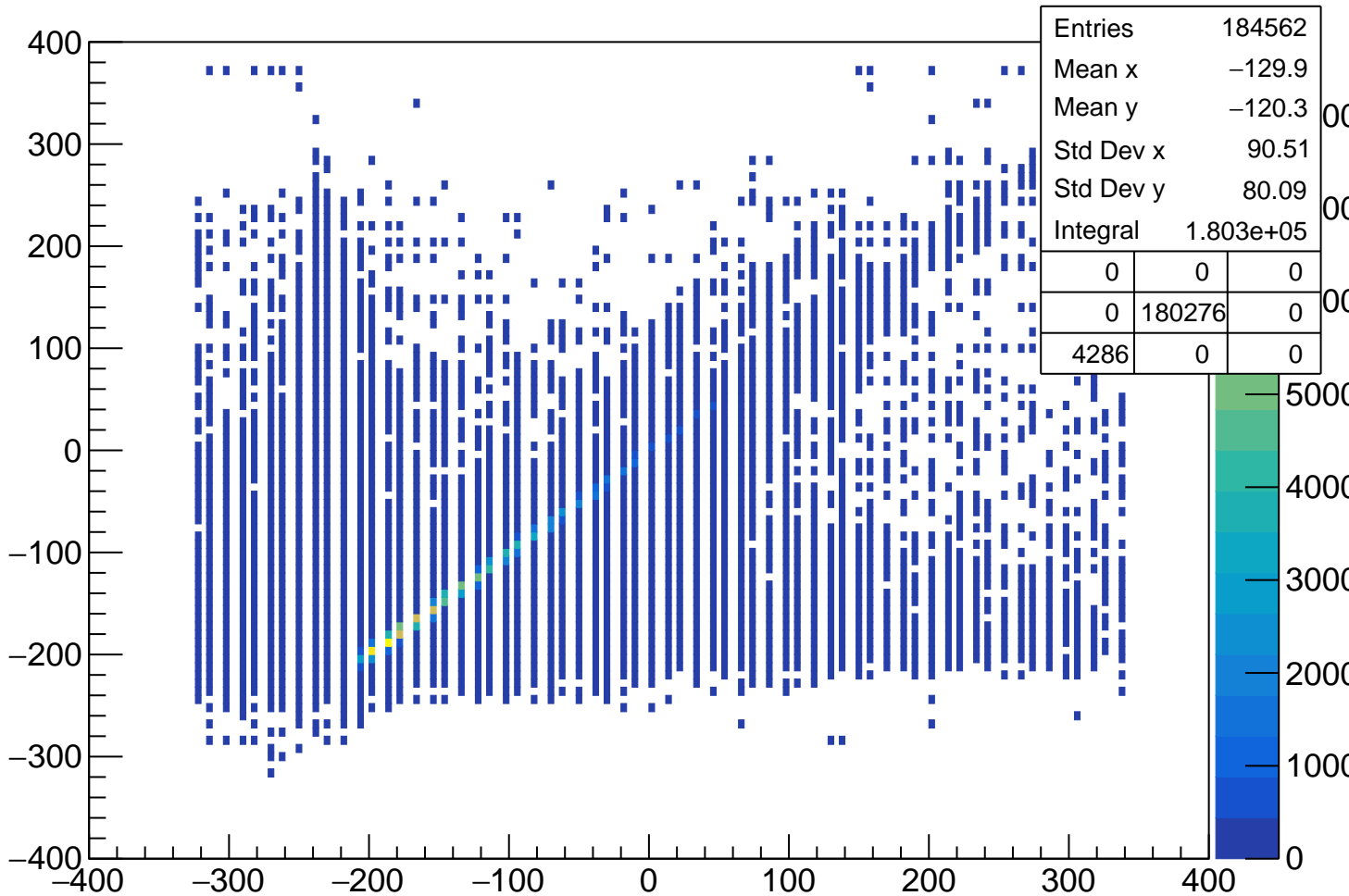
# TofSeg[0] Cut4



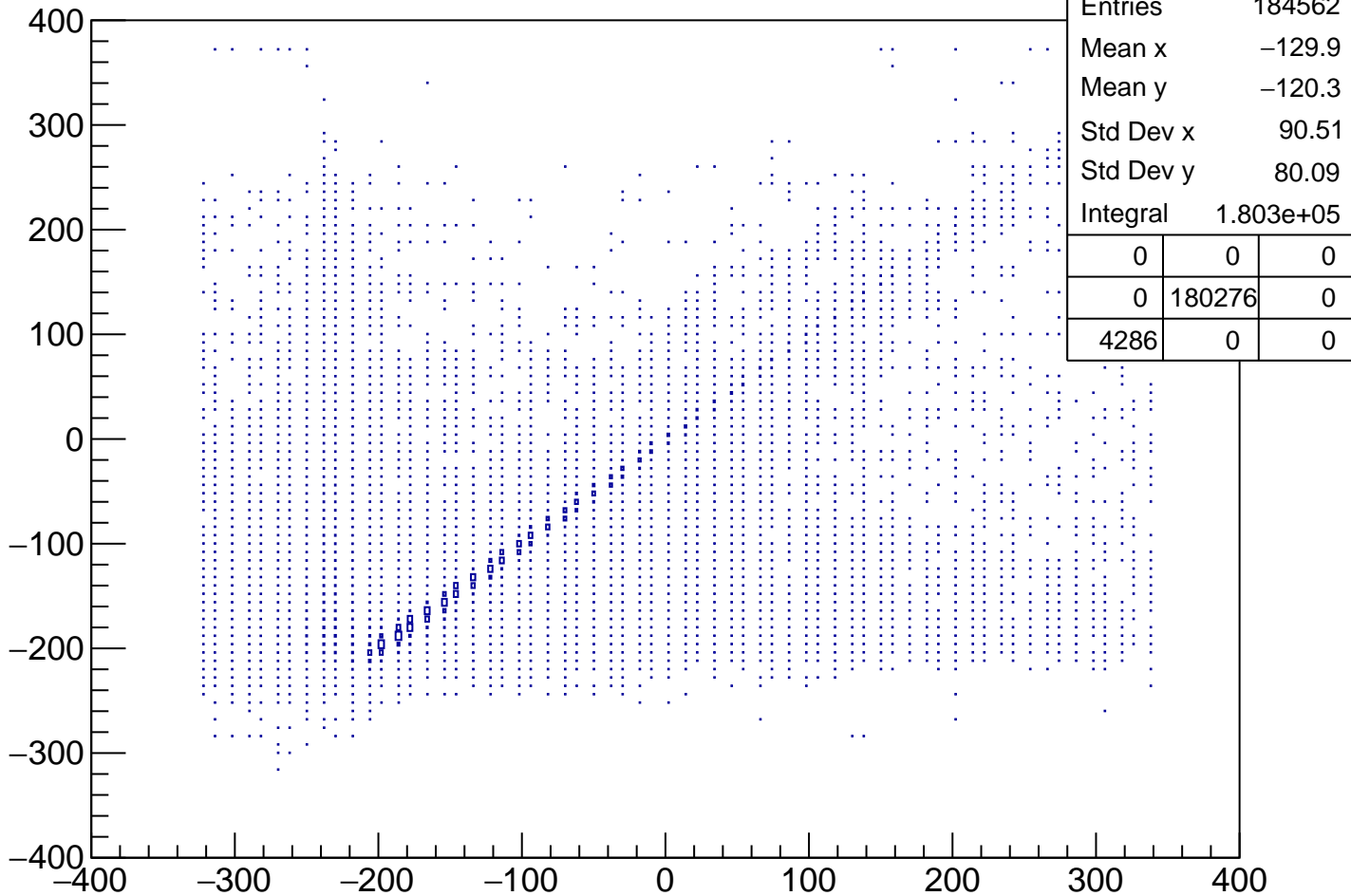
# tofsegKurama[0] Cut4



# Sch Position by HitSegment % vpx[1]

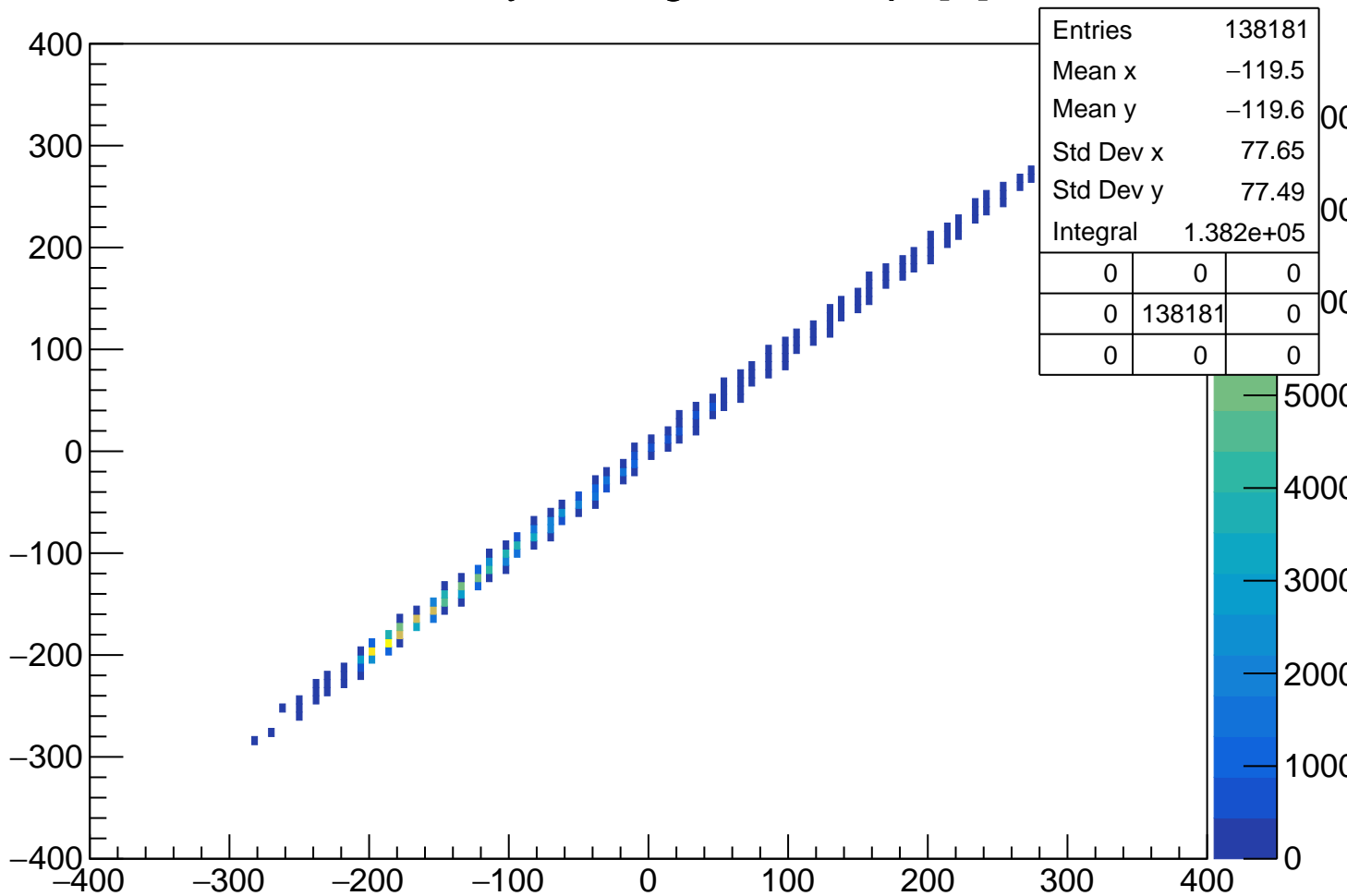


# Sch Position by HitSegment % vpx[1]

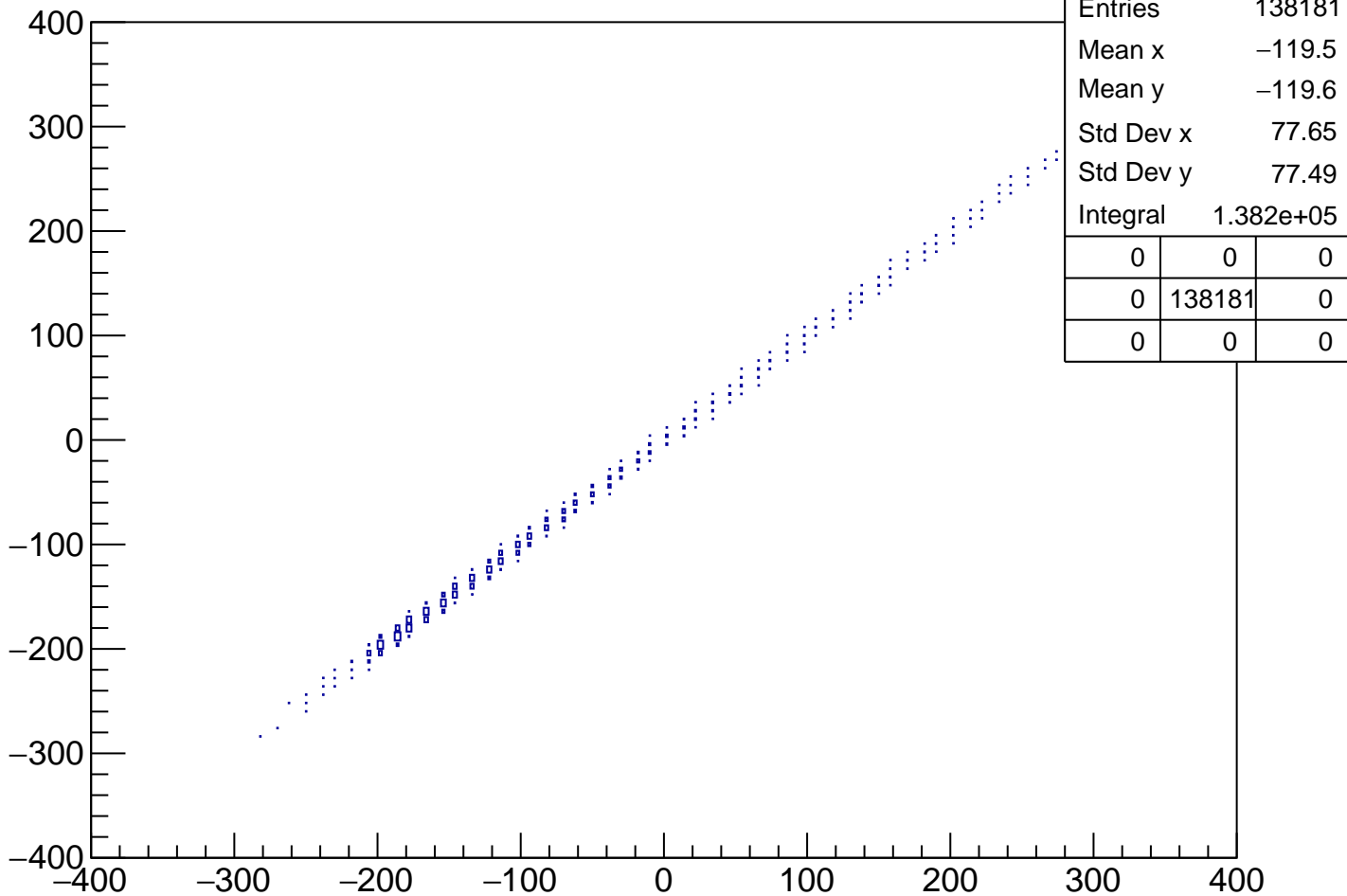




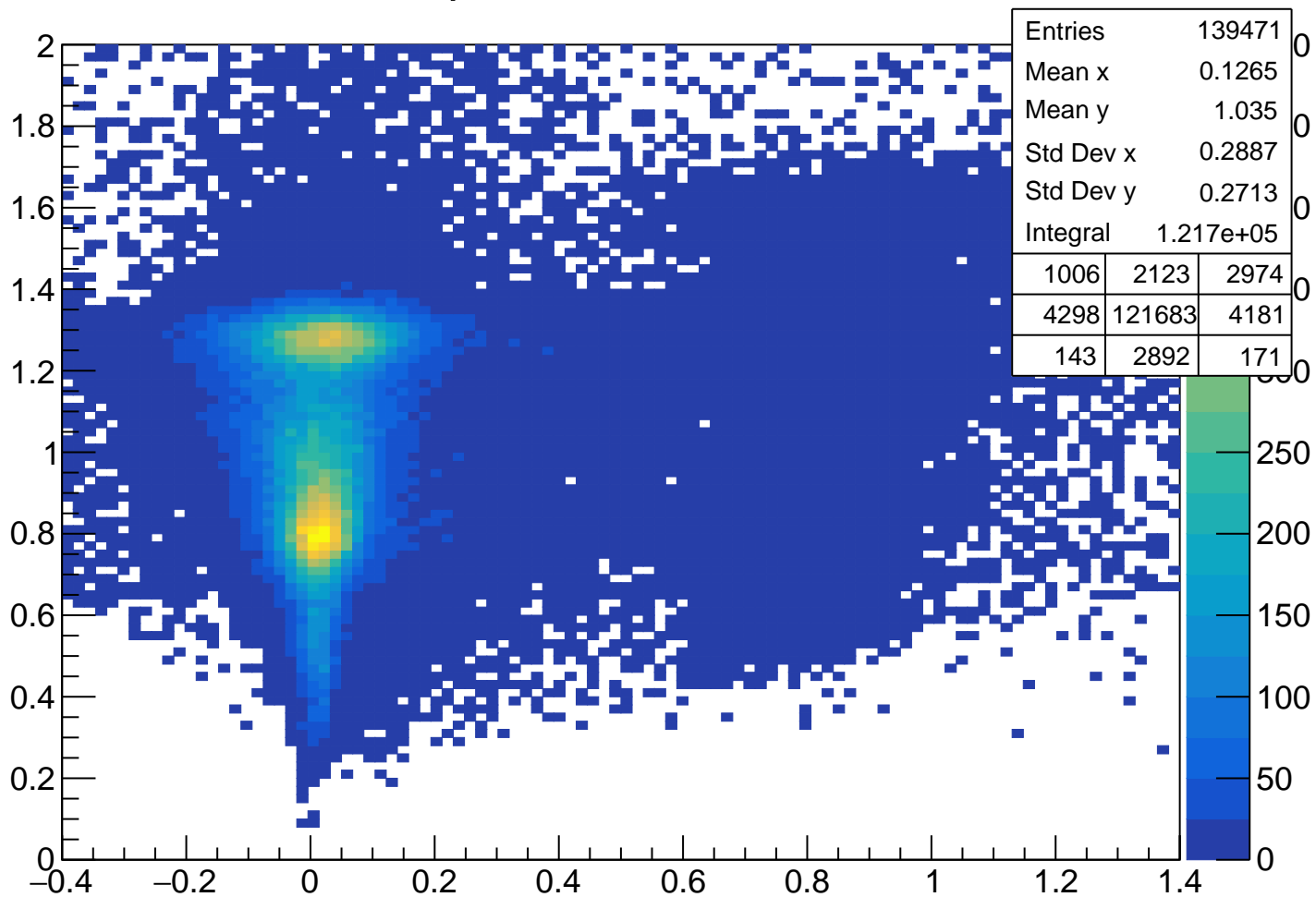
# Sch Position by HitSegment % vpx[1] Cut1



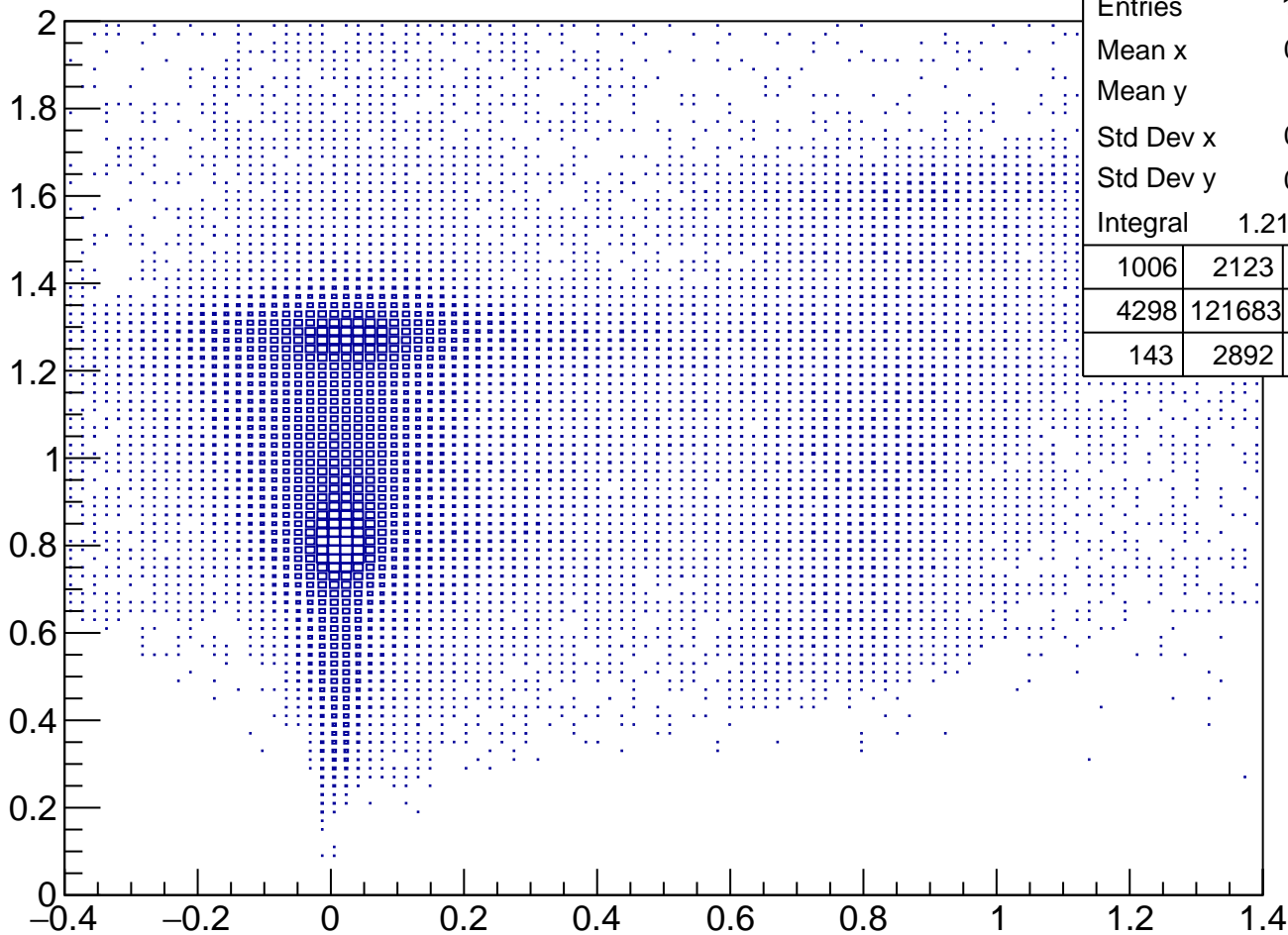
# Sch Position by HitSegment % vpx[1] Cut1



# pKurama % m2

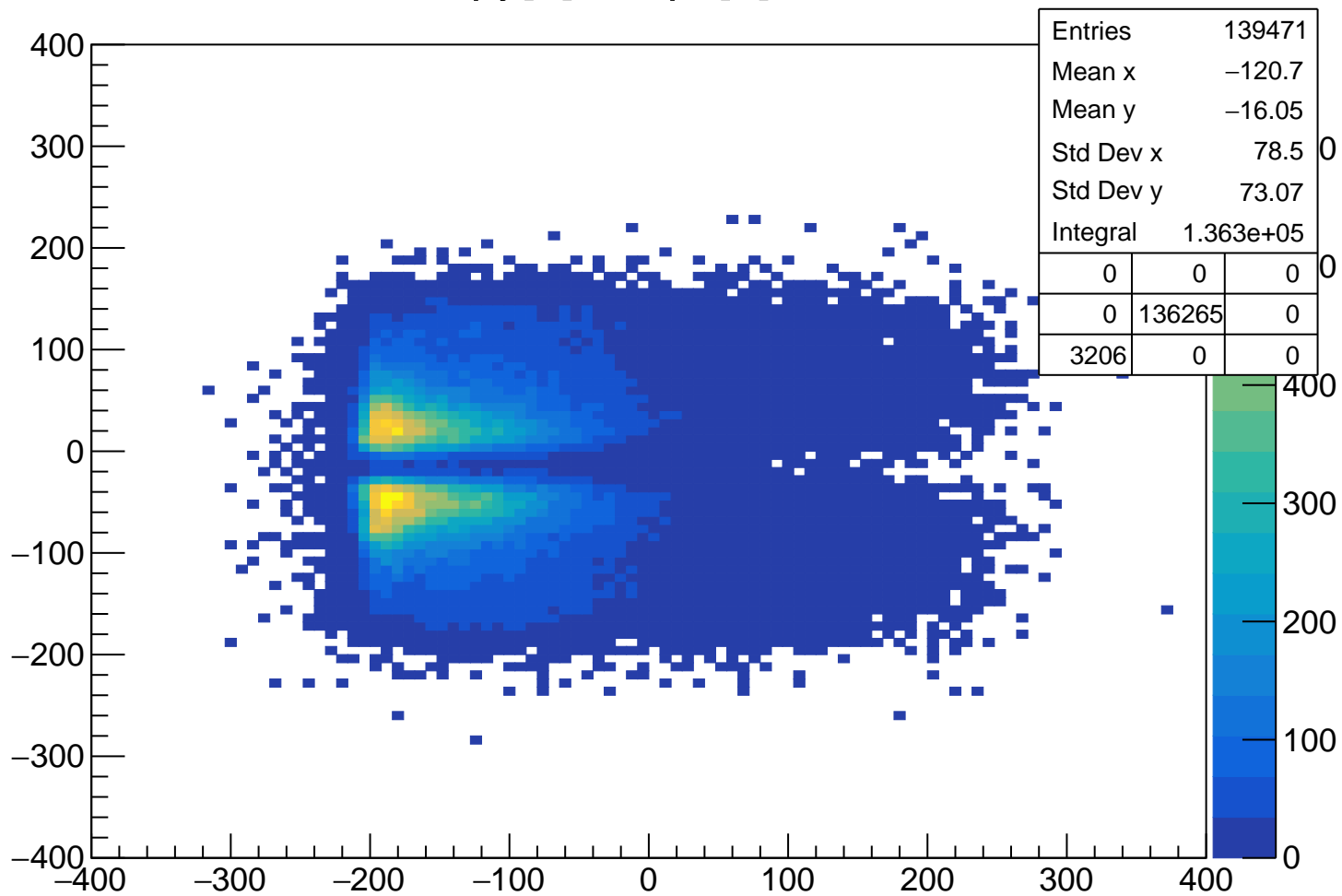


# pKurama % m2

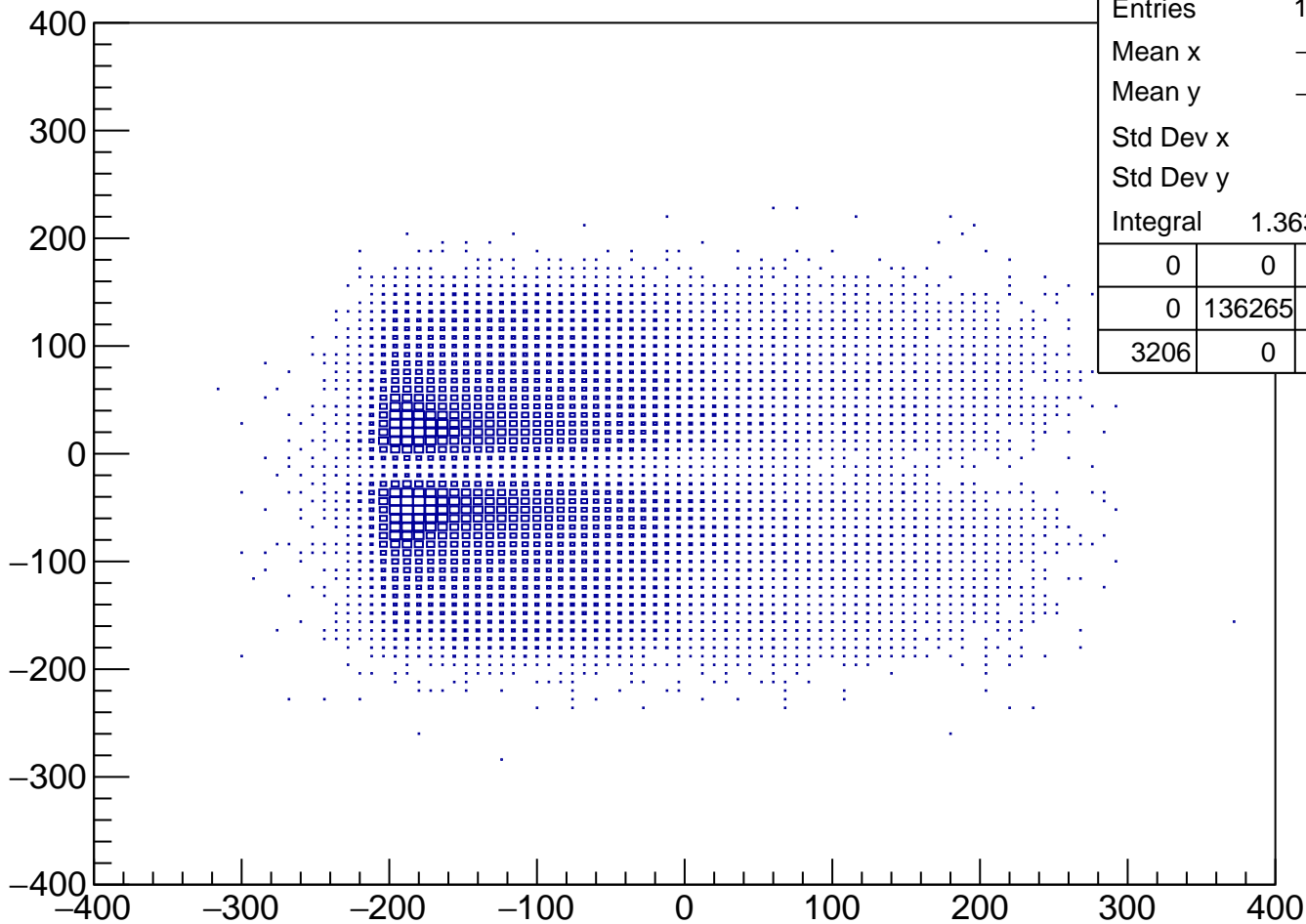


Entries	139471		
Mean x	0.1265		
Mean y	1.035		
Std Dev x	0.2887		
Std Dev y	0.2713		
Integral	1.217e+05		
1006	2123	2974	
4298	121683	4181	
143	2892	171	

vpy[1] % vpx[1]

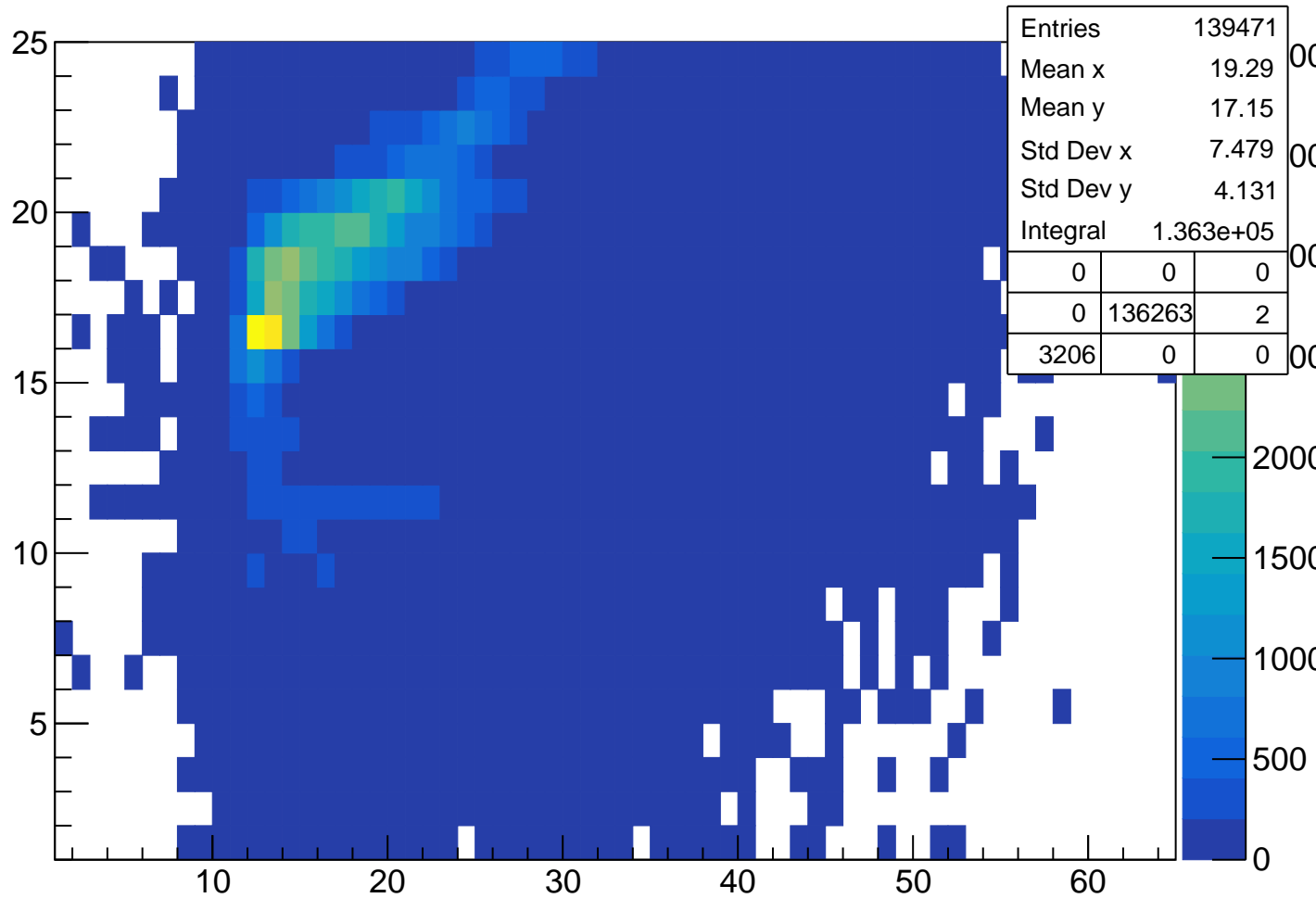


vpy[1] % vpx[1]

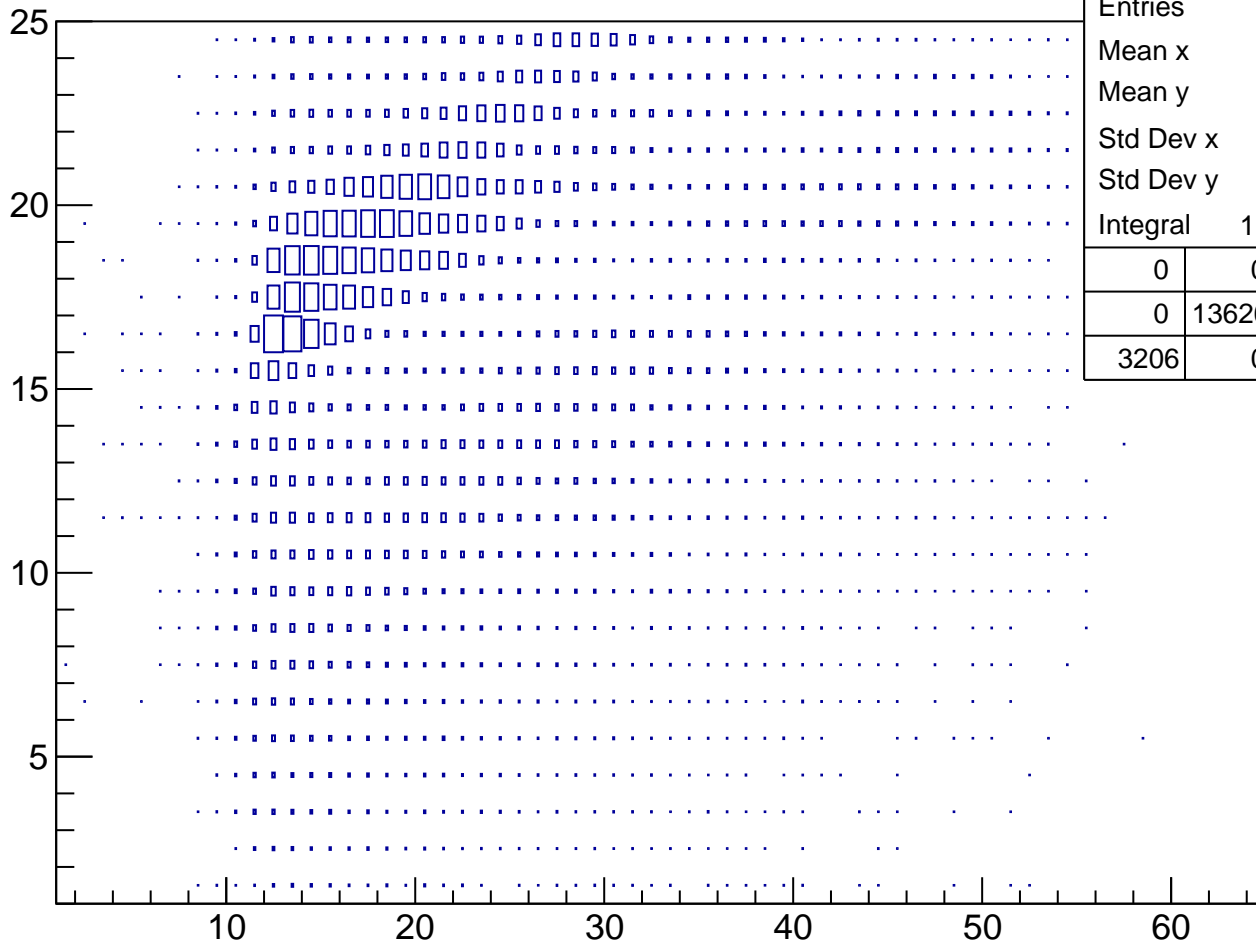


Entries	139471	
Mean x	-120.7	
Mean y	-16.05	
Std Dev x	78.5	
Std Dev y	73.07	
Integral	1.363e+05	
0	0	0
0	136265	0
3206	0	0

# TofSeg[0] % vpseg[1]



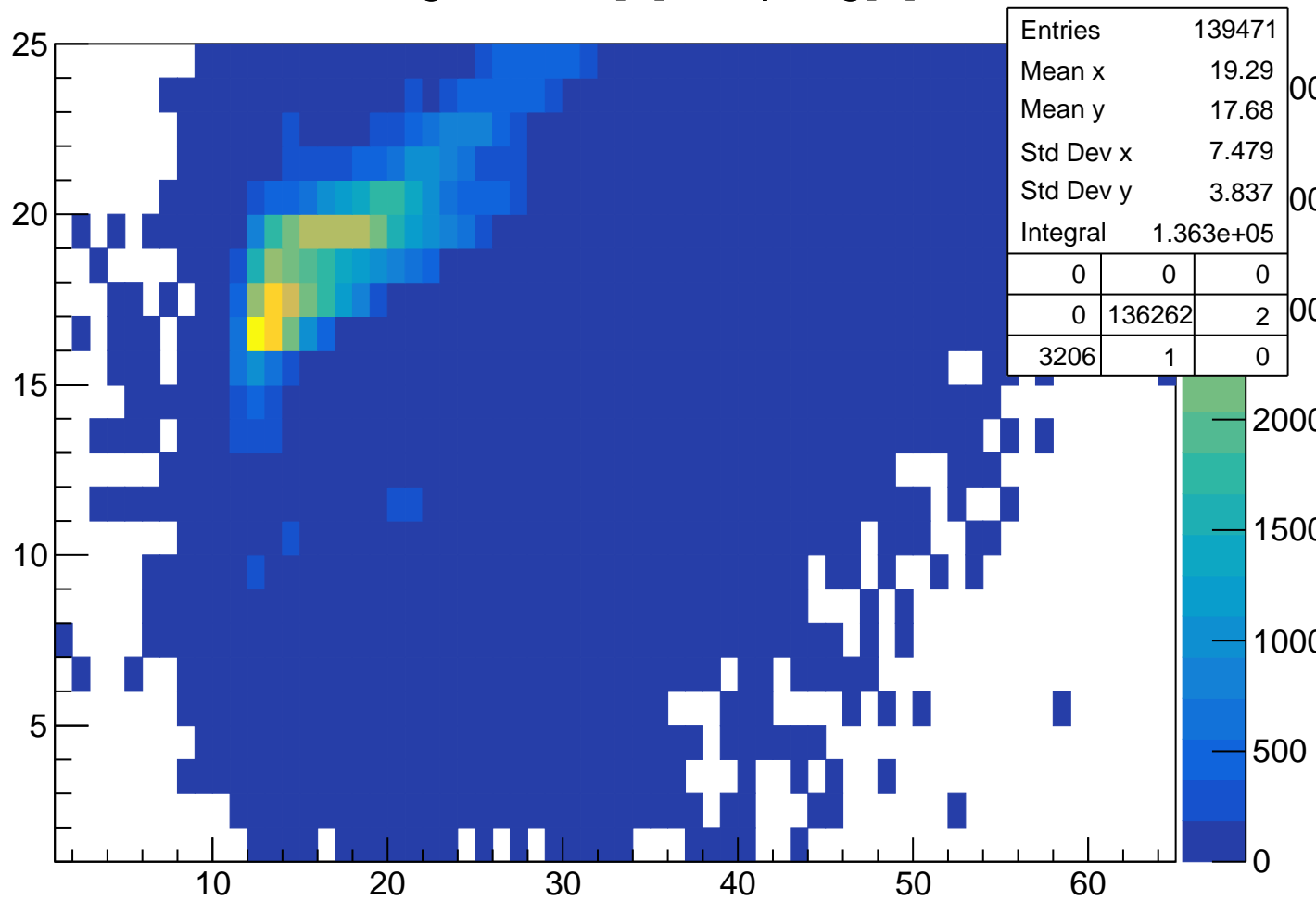
# TofSeg[0] % vpseg[1]



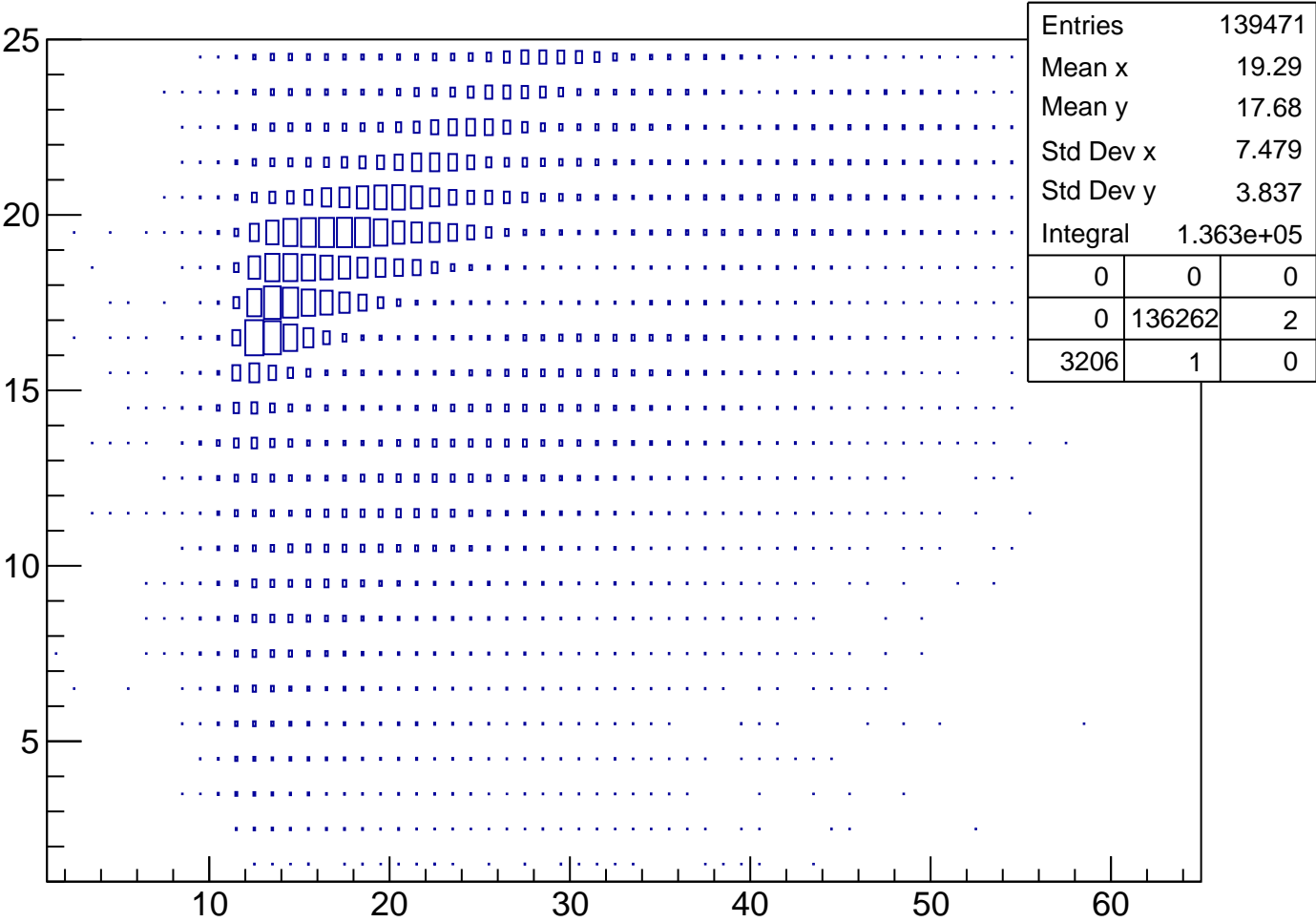
Entries	139471	
Mean x	19.29	
Mean y	17.15	
Std Dev x	7.479	
Std Dev y	4.131	
Integral	1.363e+05	
0	0	0
0	136263	2
3206	0	0



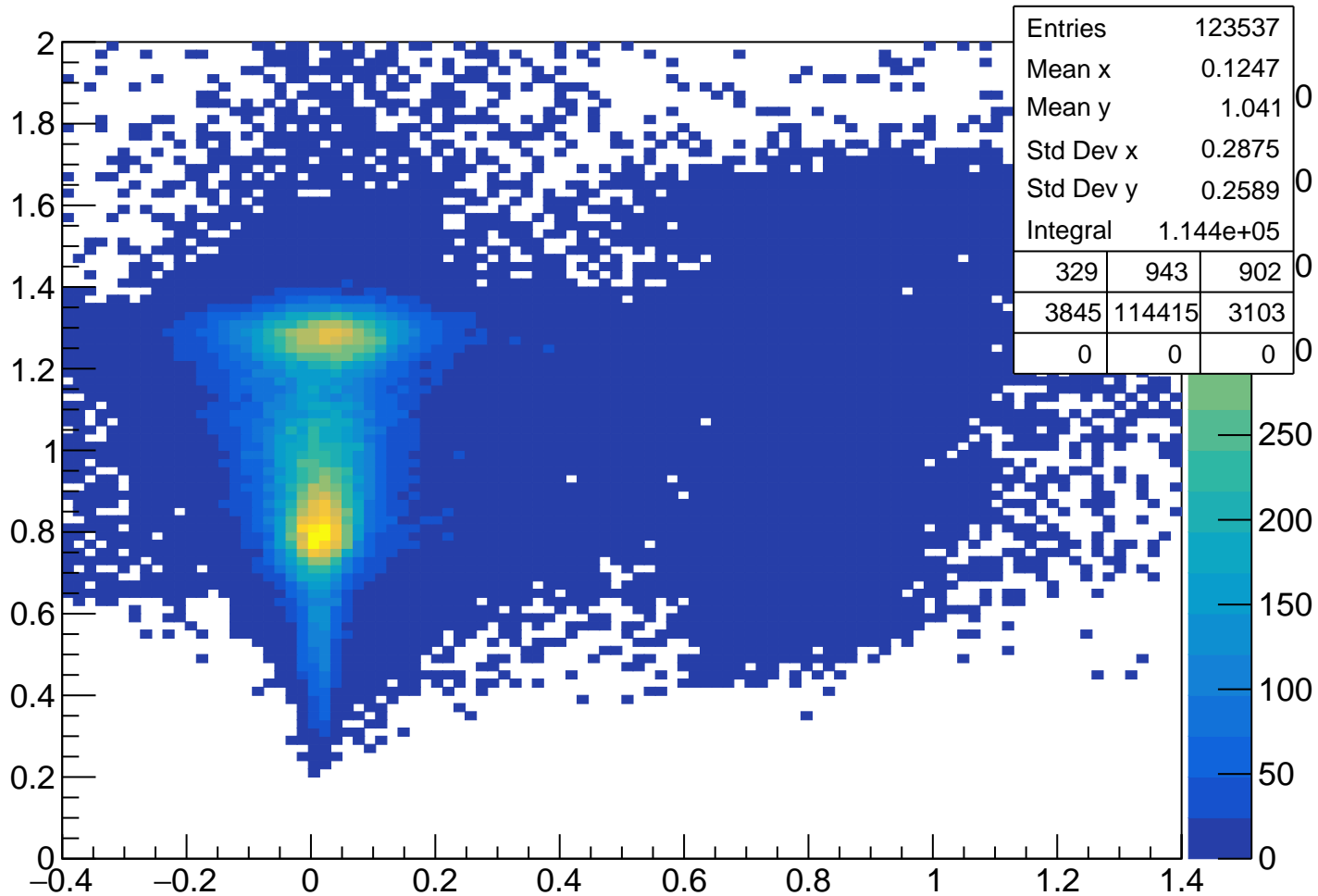
tofsegKurama[0] % vpseg[1]



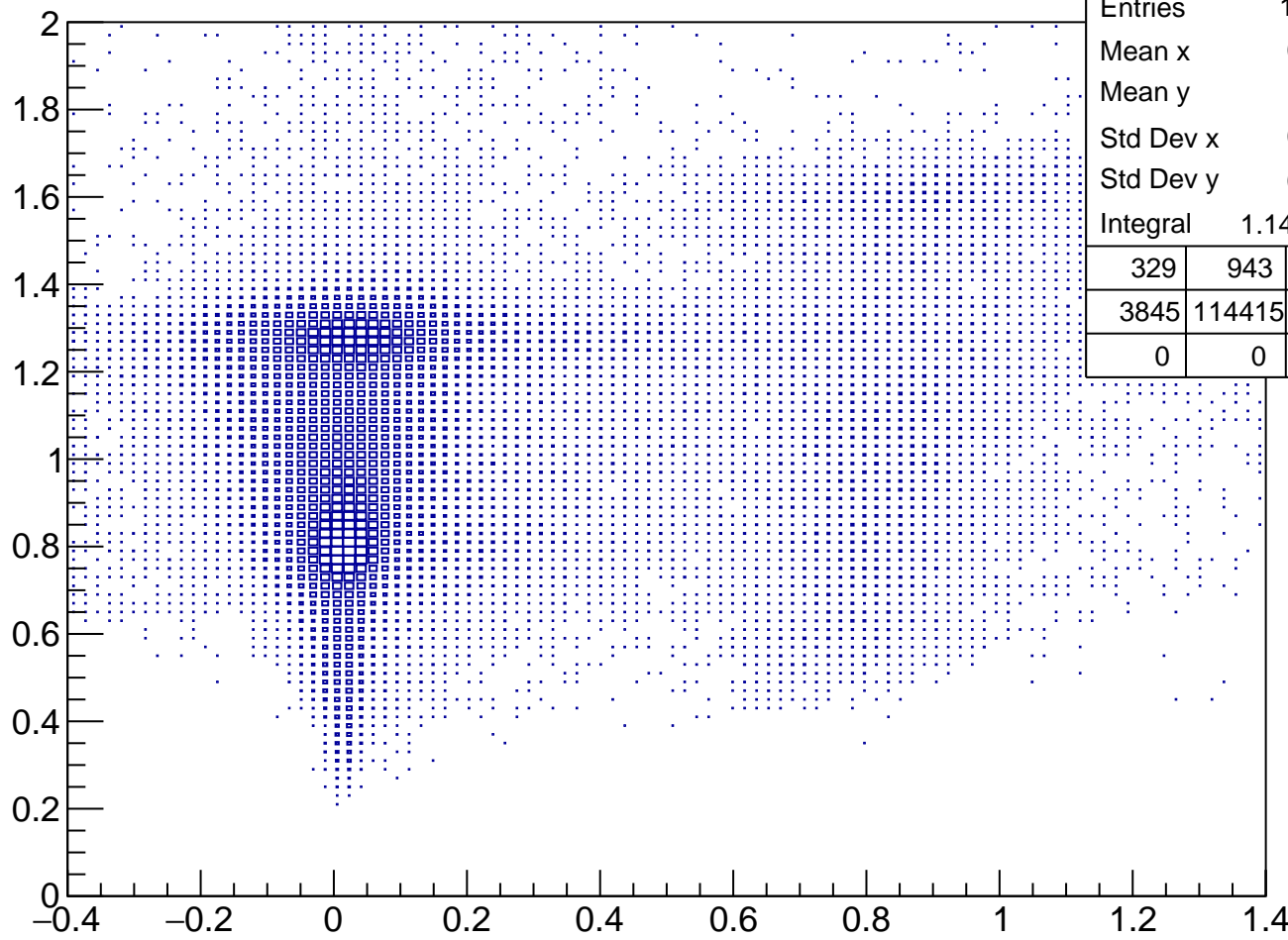
tofsegKurama[0] % vpseg[1]



# pKurama % m2 Cut1

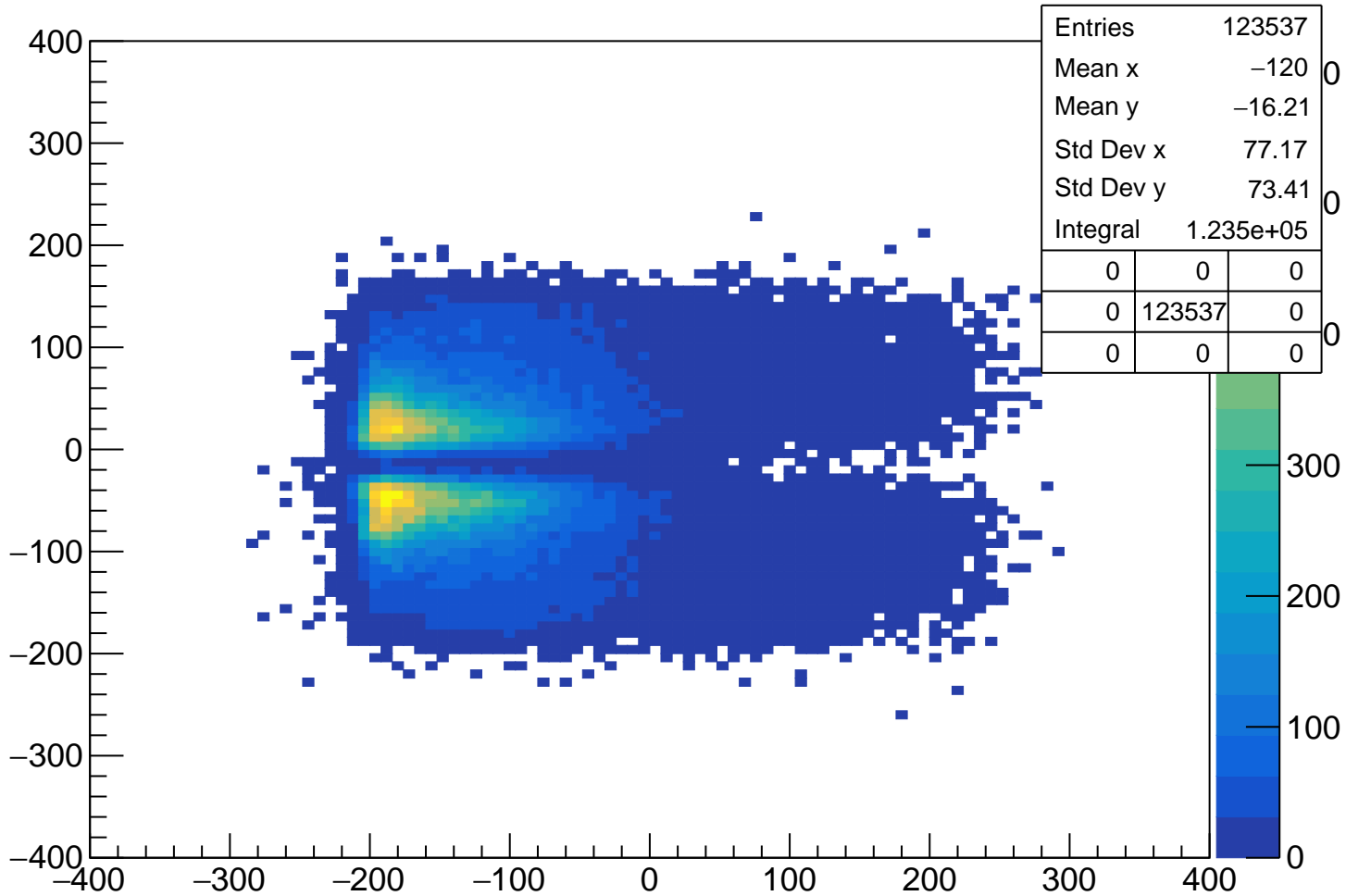


pKurama % m2 Cut1

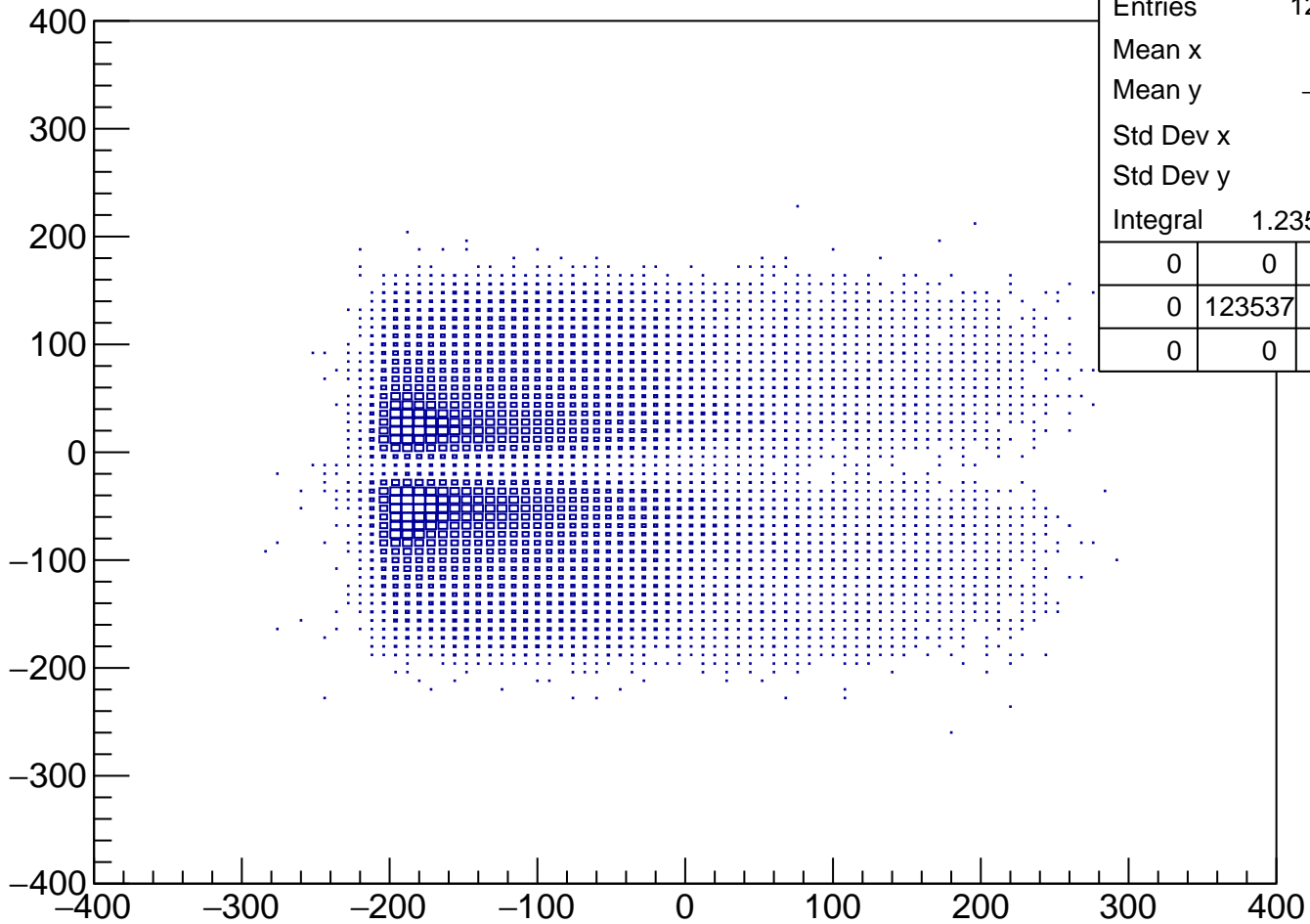


Entries	123537	
Mean x	0.1247	
Mean y	1.041	
Std Dev x	0.2875	
Std Dev y	0.2589	
Integral	1.144e+05	
	329	943
	3845	114415
	0	0

vpy[1] % vpx[1]      Cut1

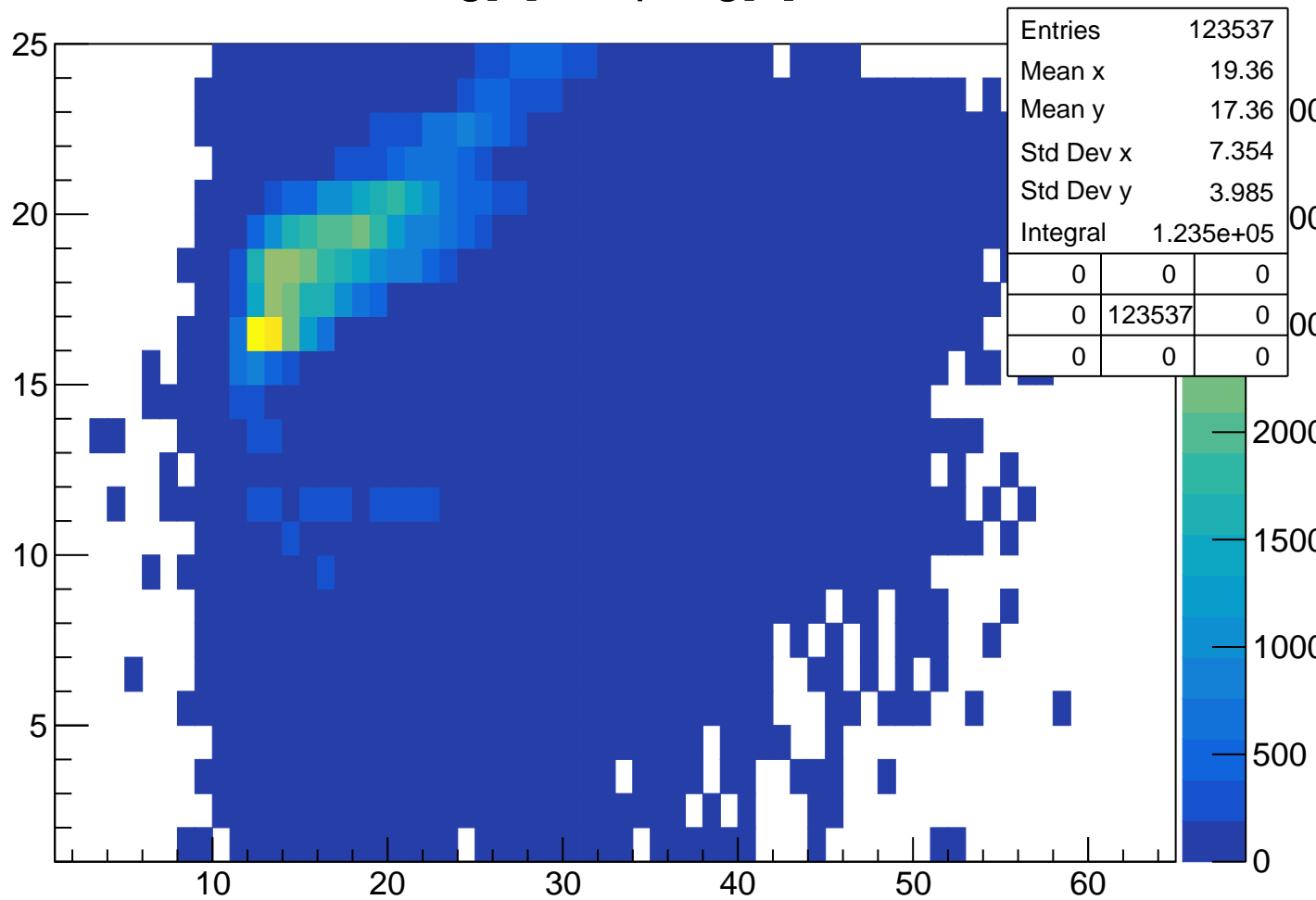


vpy[1] % vpx[1]      Cut1

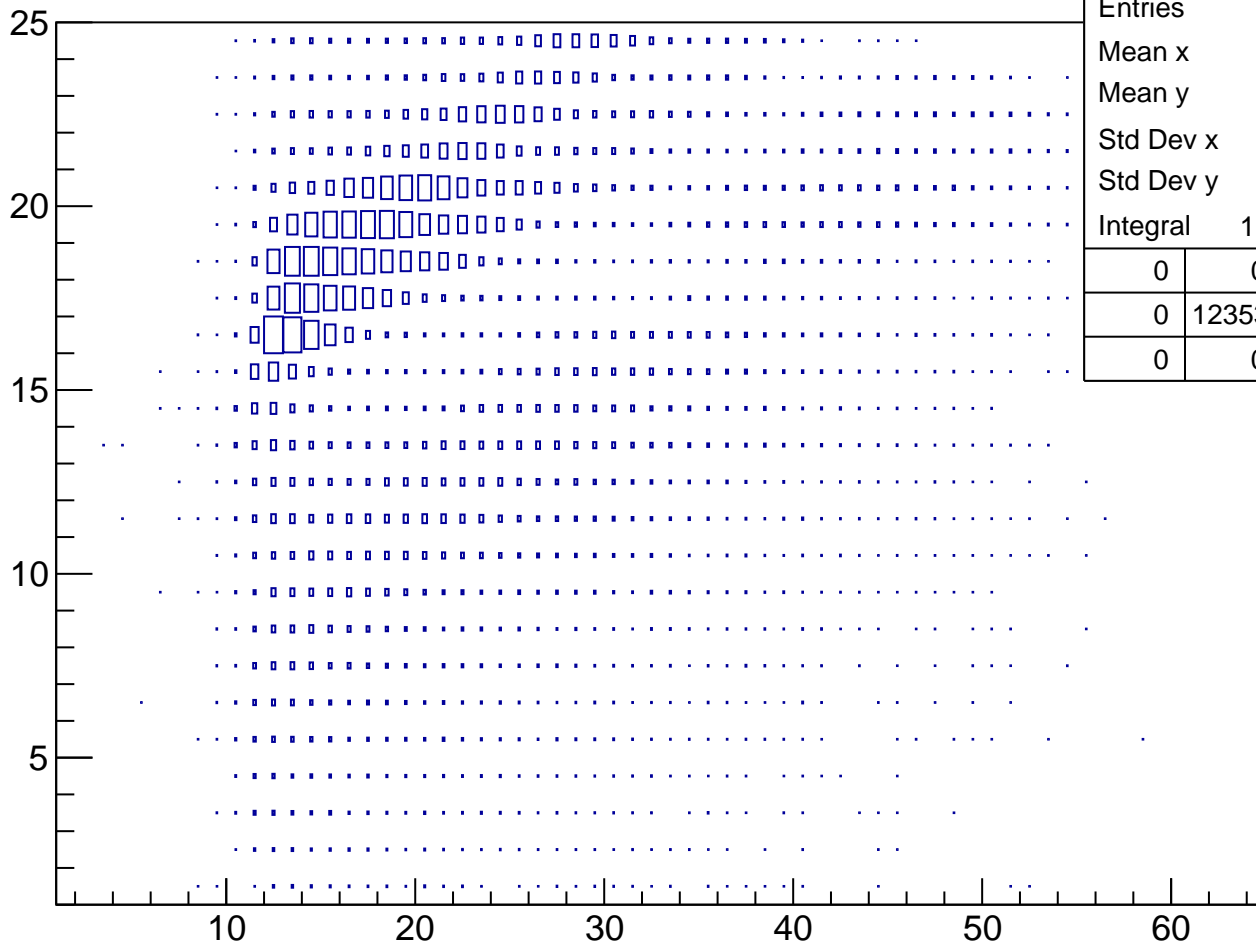


Entries	123537	
Mean x	-120	
Mean y	-16.21	
Std Dev x	77.17	
Std Dev y	73.41	
Integral	1.235e+05	
0	0	0
0	123537	0
0	0	0

# TofSeg[0] % vpseg[1] Cut1



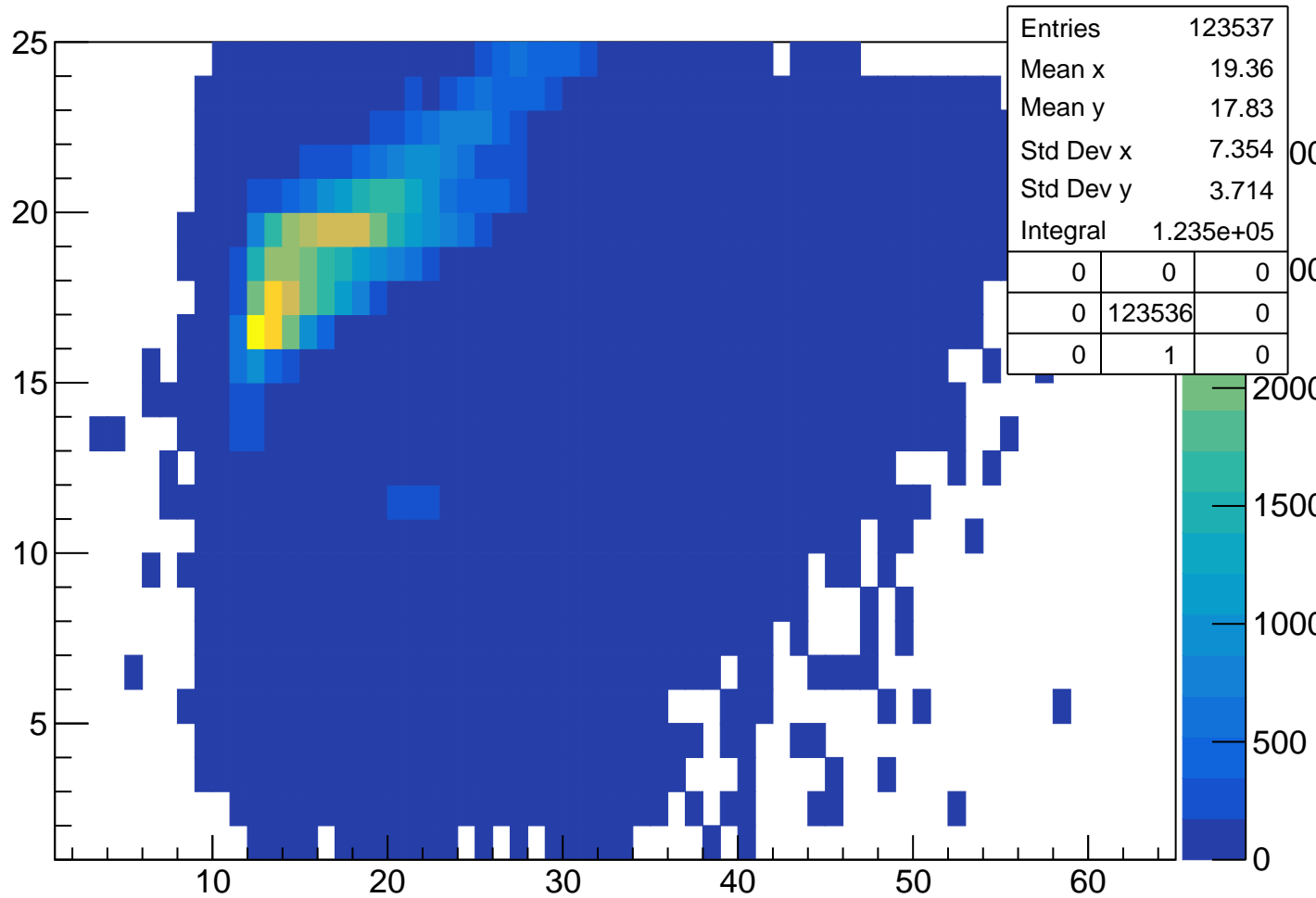
# TofSeg[0] % vpseg[1] Cut1



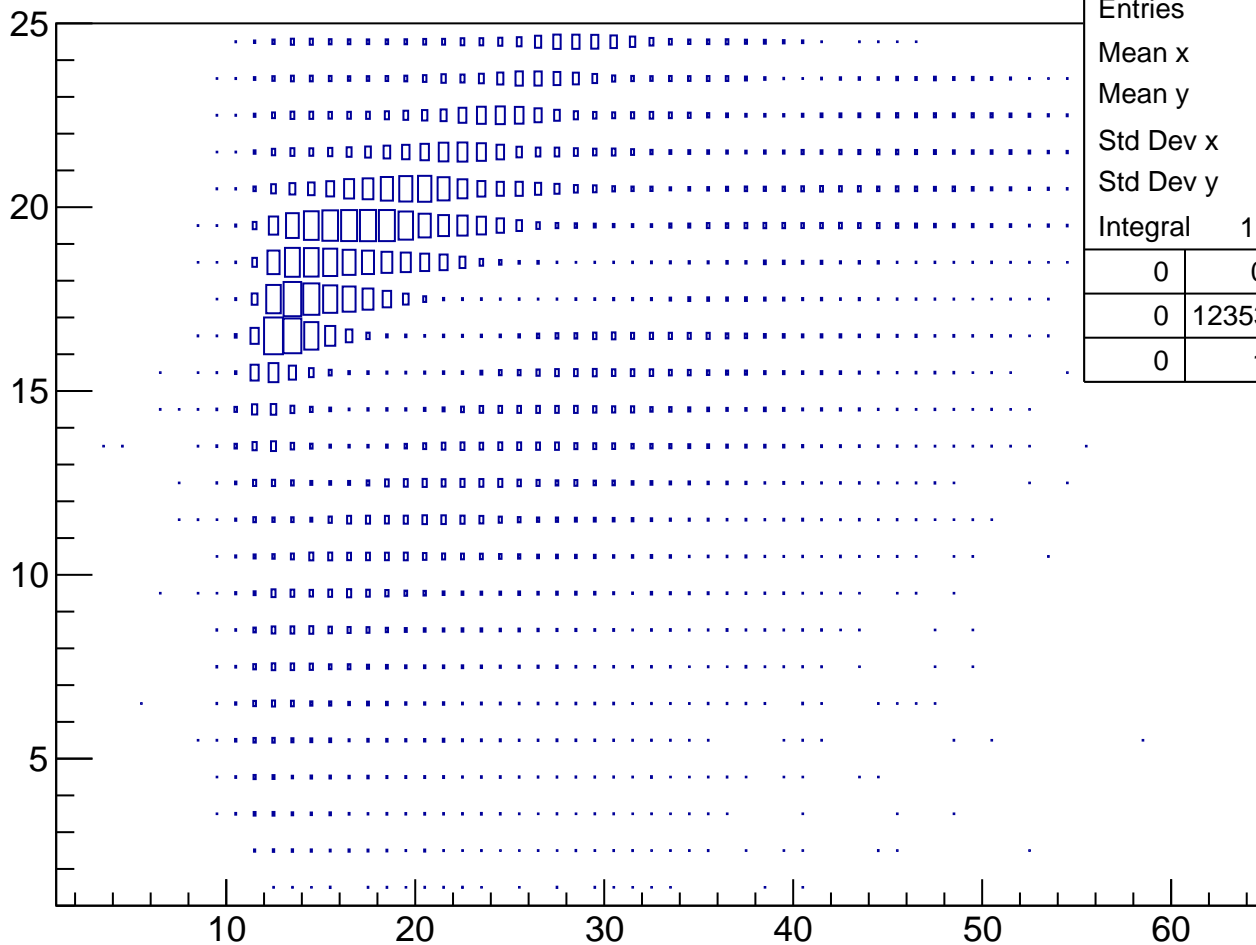
Entries	123537	
Mean x	19.36	
Mean y	17.36	
Std Dev x	7.354	
Std Dev y	3.985	
Integral	1.235e+05	
0	0	0
0	123537	0
0	0	0



# tofsegKurama[0] % vpseg[1] Cut1

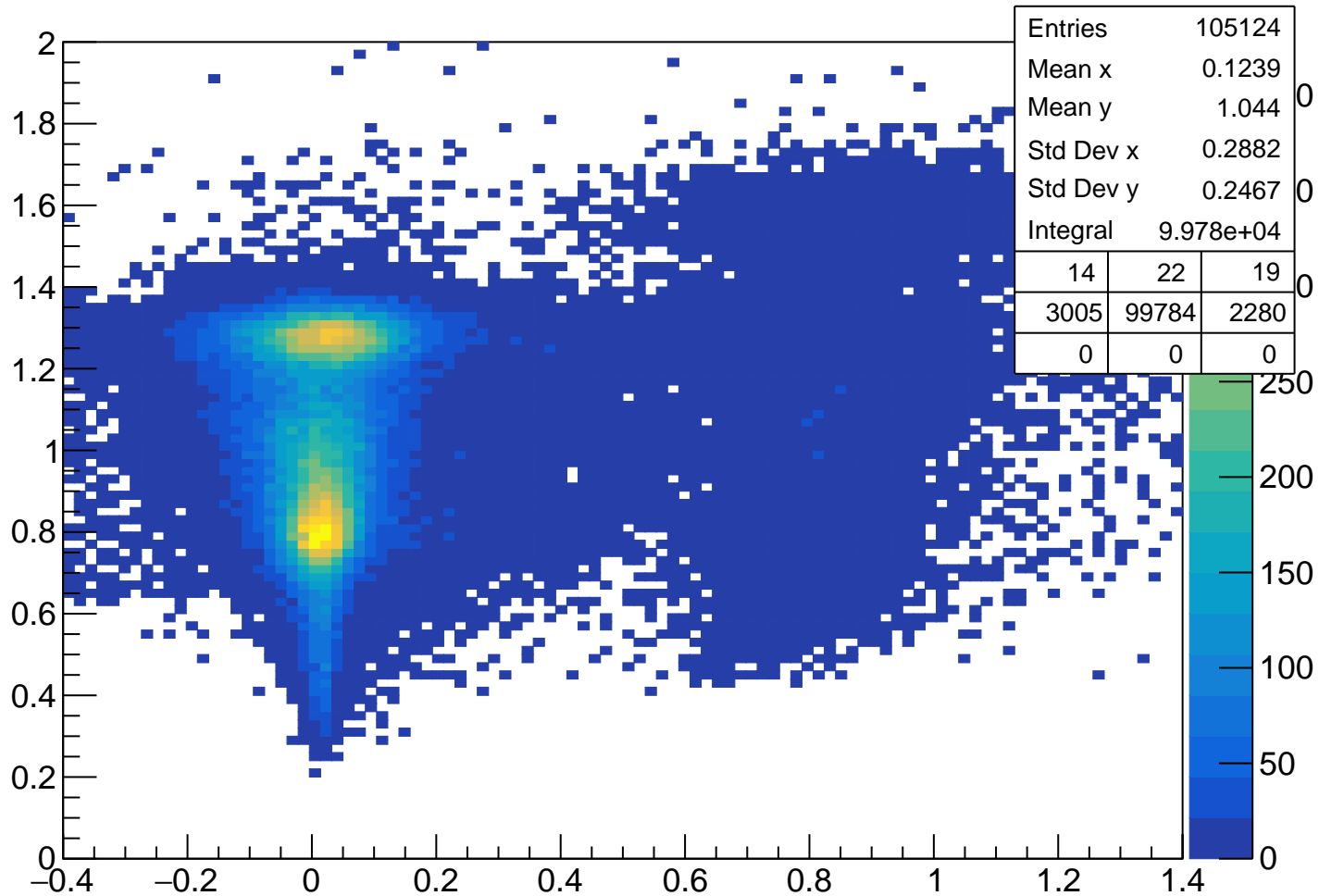


# tofsegKurama[0] % vpseg[1] Cut1

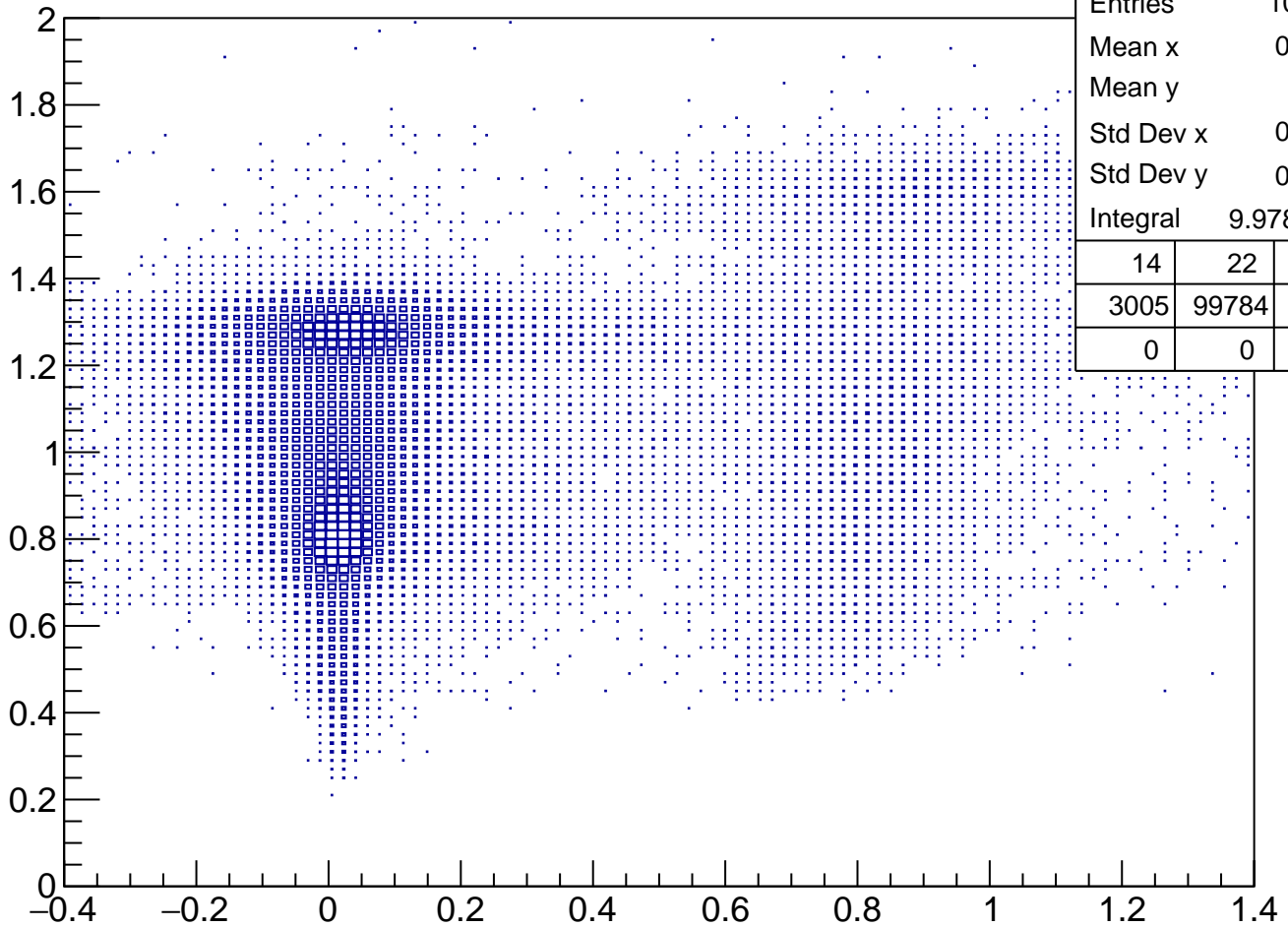


Entries	123537	
Mean x	19.36	
Mean y	17.83	
Std Dev x	7.354	
Std Dev y	3.714	
Integral	1.235e+05	
	0	0
	0	123536
	0	1

# pKurama % m2 Cut2

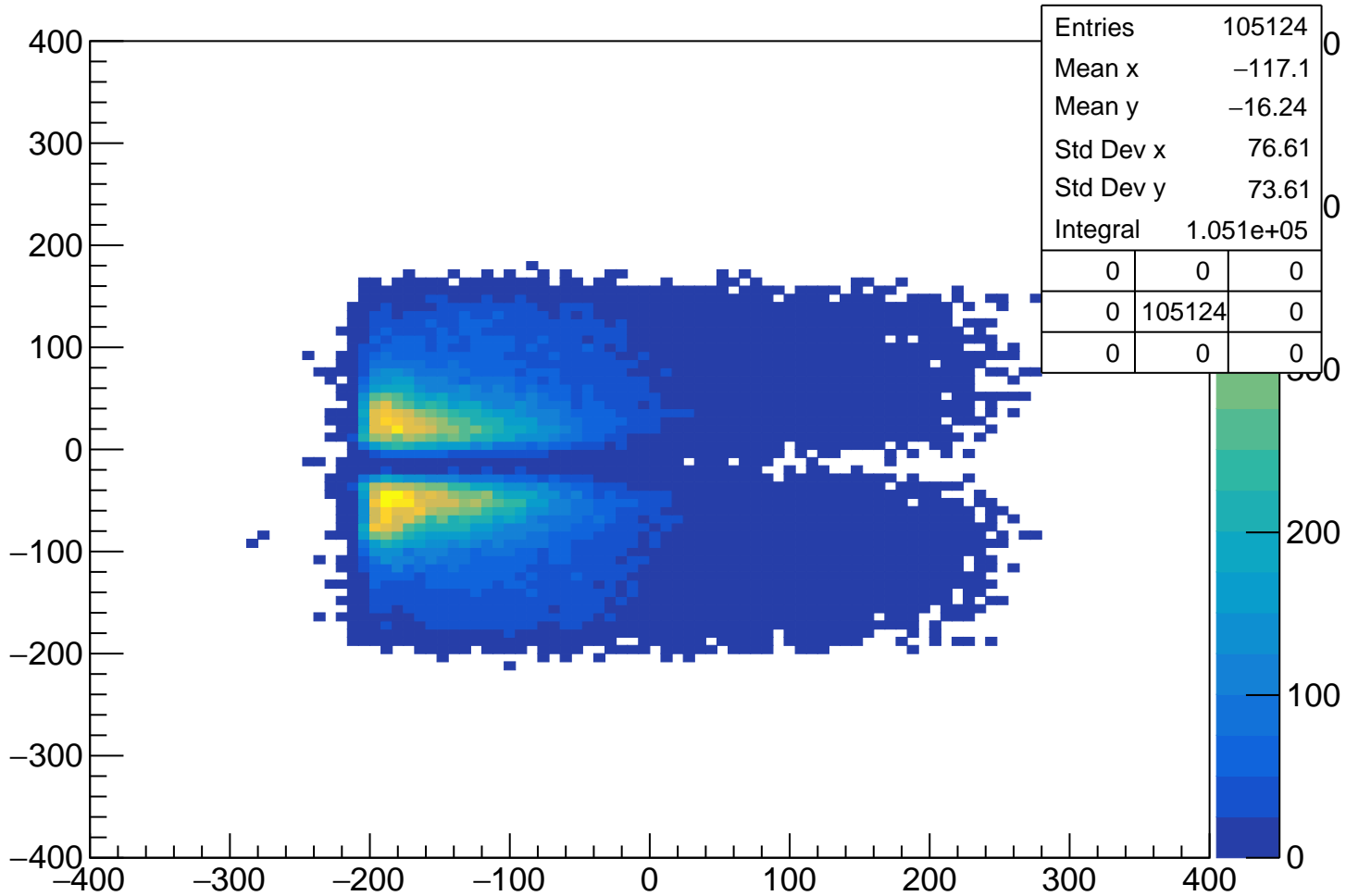


# pKurama % m2 Cut2

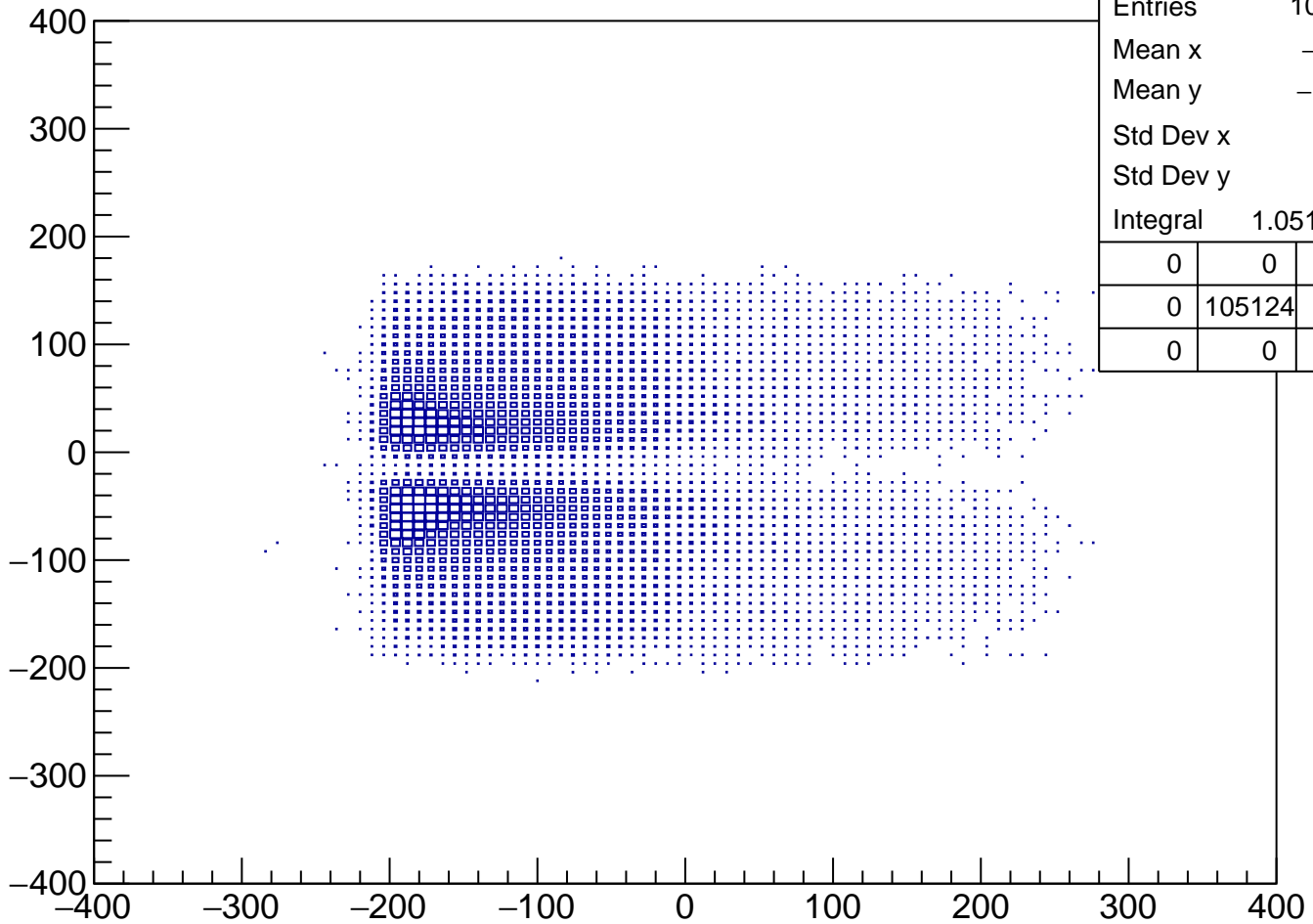


Entries	105124	
Mean x	0.1239	
Mean y	1.044	
Std Dev x	0.2882	
Std Dev y	0.2467	
Integral	9.978e+04	
14	22	19
3005	99784	2280
0	0	0

vpy[1] % vpx[1]      Cut2

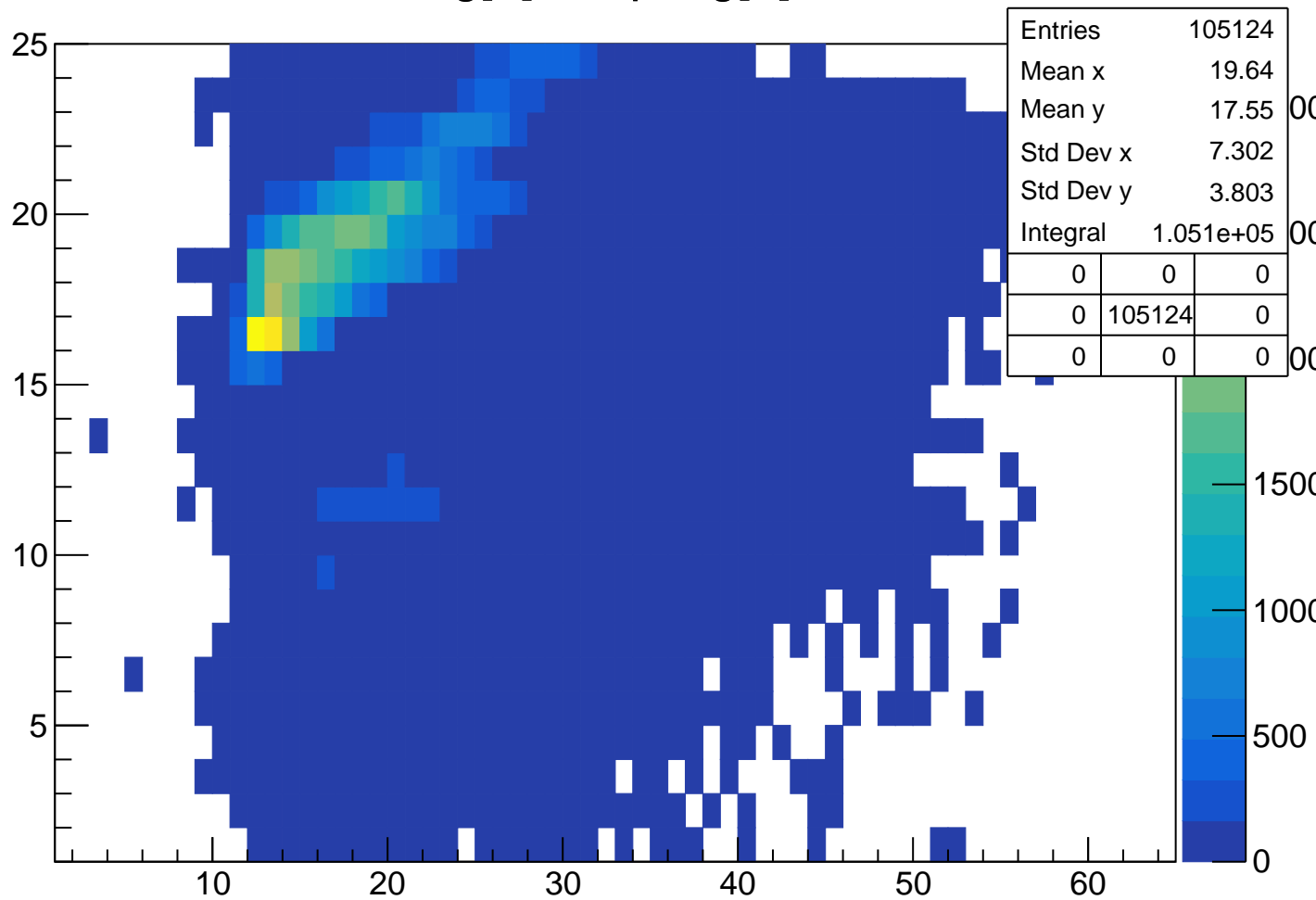


# vpy[1] % vpx[1]      Cut2

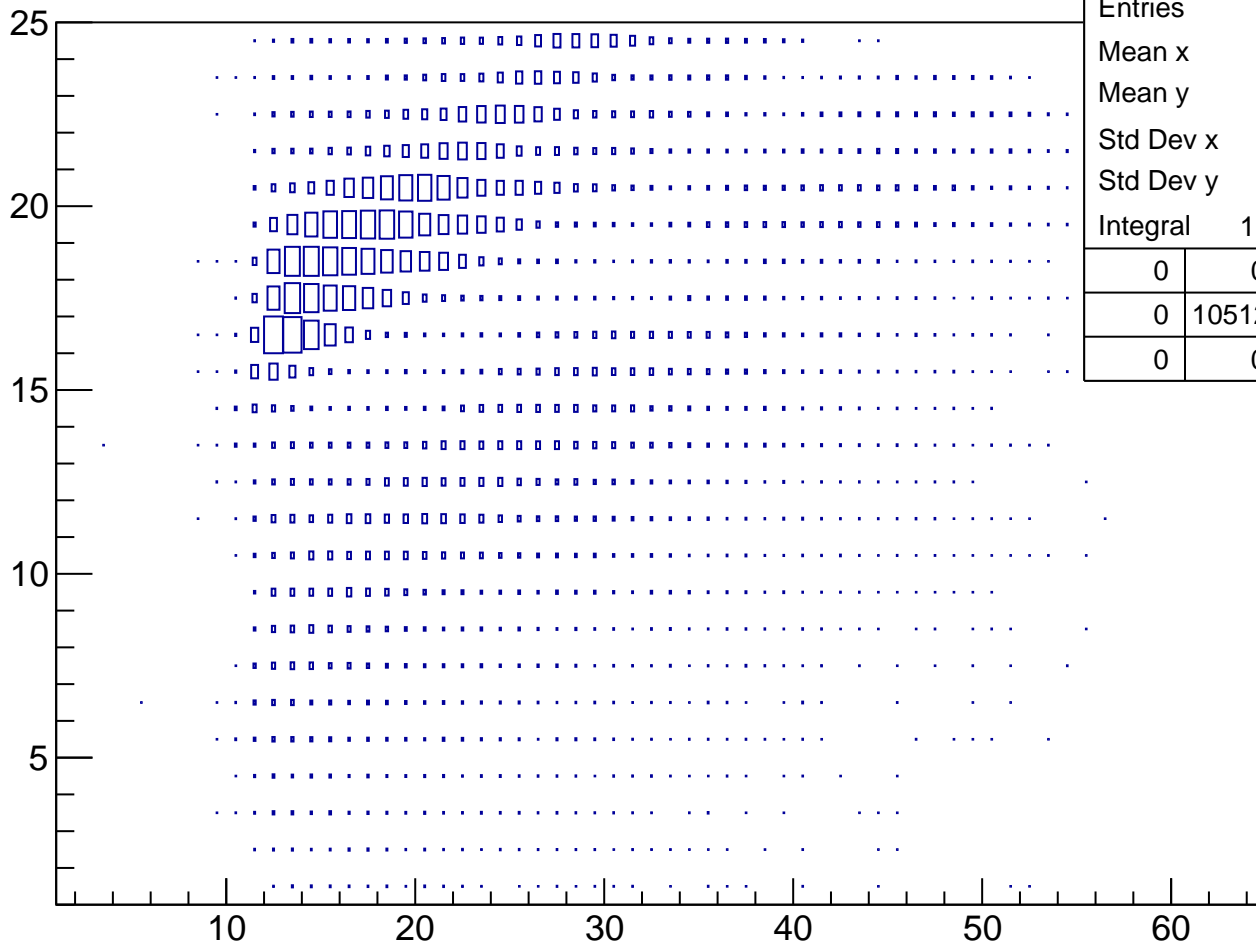


Entries	105124	
Mean x	-117.1	
Mean y	-16.24	
Std Dev x	76.61	
Std Dev y	73.61	
Integral	1.051e+05	
0	0	0
0	105124	0
0	0	0

# TofSeg[0] % vpseg[1] Cut2



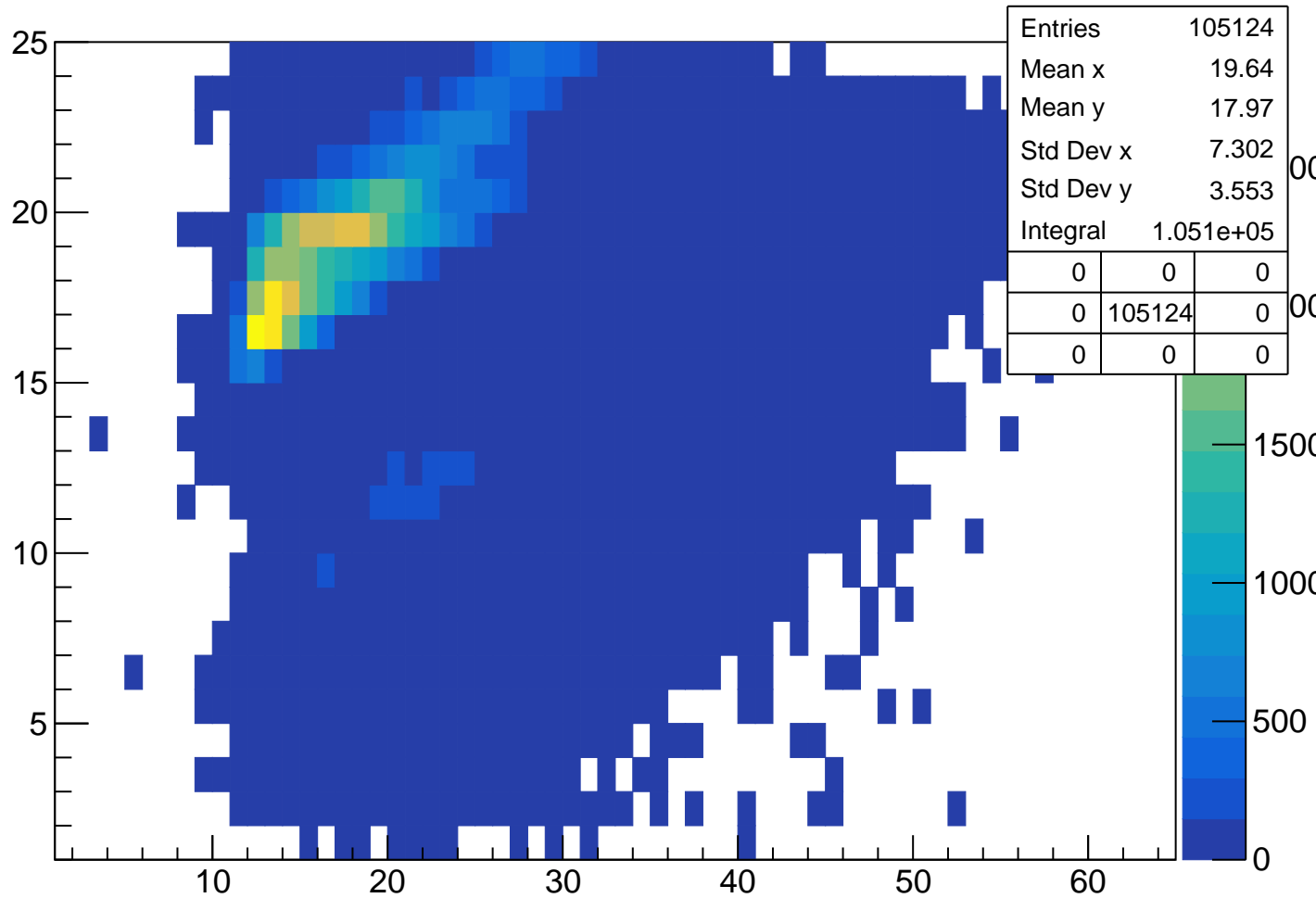
# TofSeg[0] % vpseg[1] Cut2



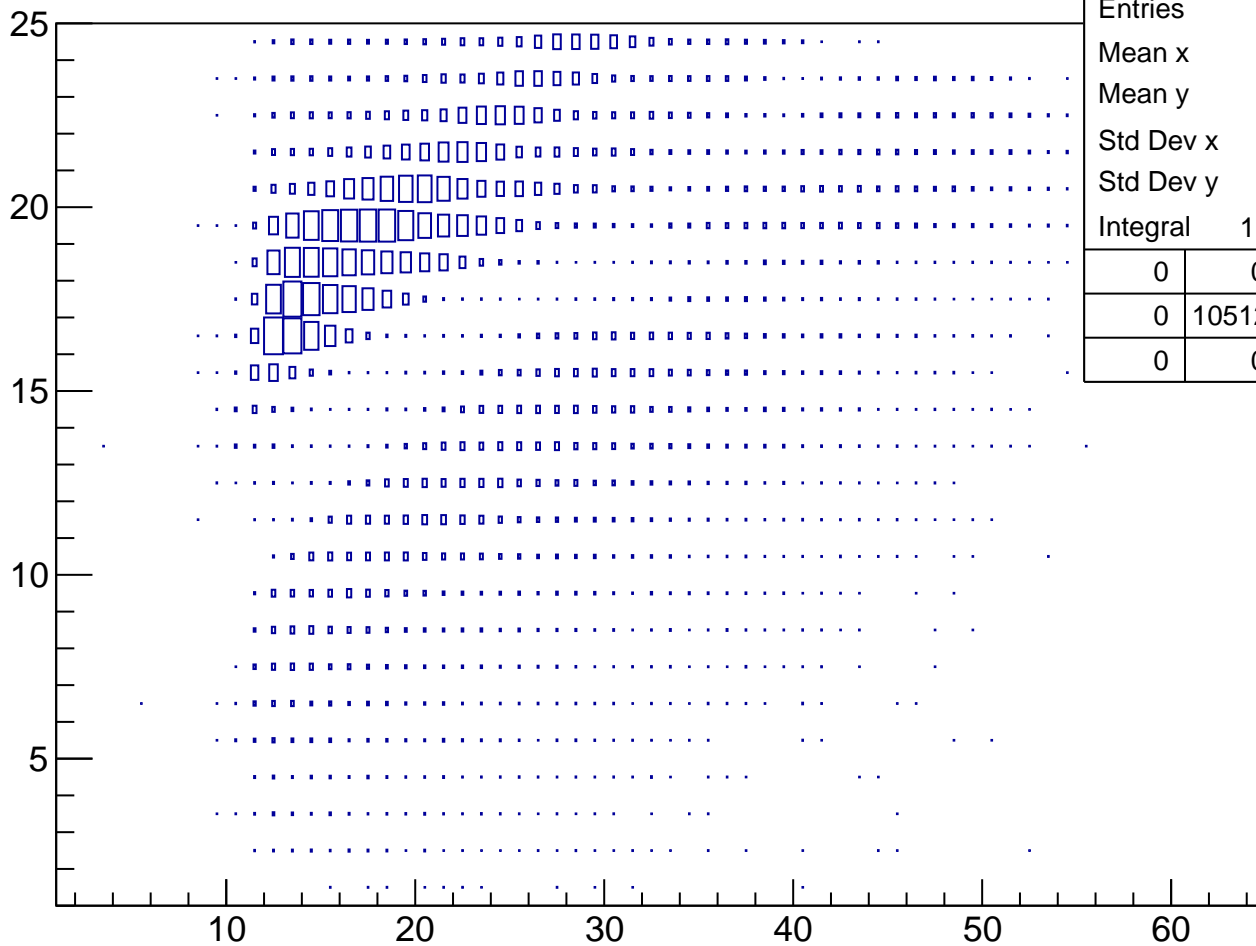
Entries	105124	
Mean x	19.64	
Mean y	17.55	
Std Dev x	7.302	
Std Dev y	3.803	
Integral	1.051e+05	
0	0	0
0	105124	0
0	0	0



# tofsegKurama[0] % vpseg[1] Cut2

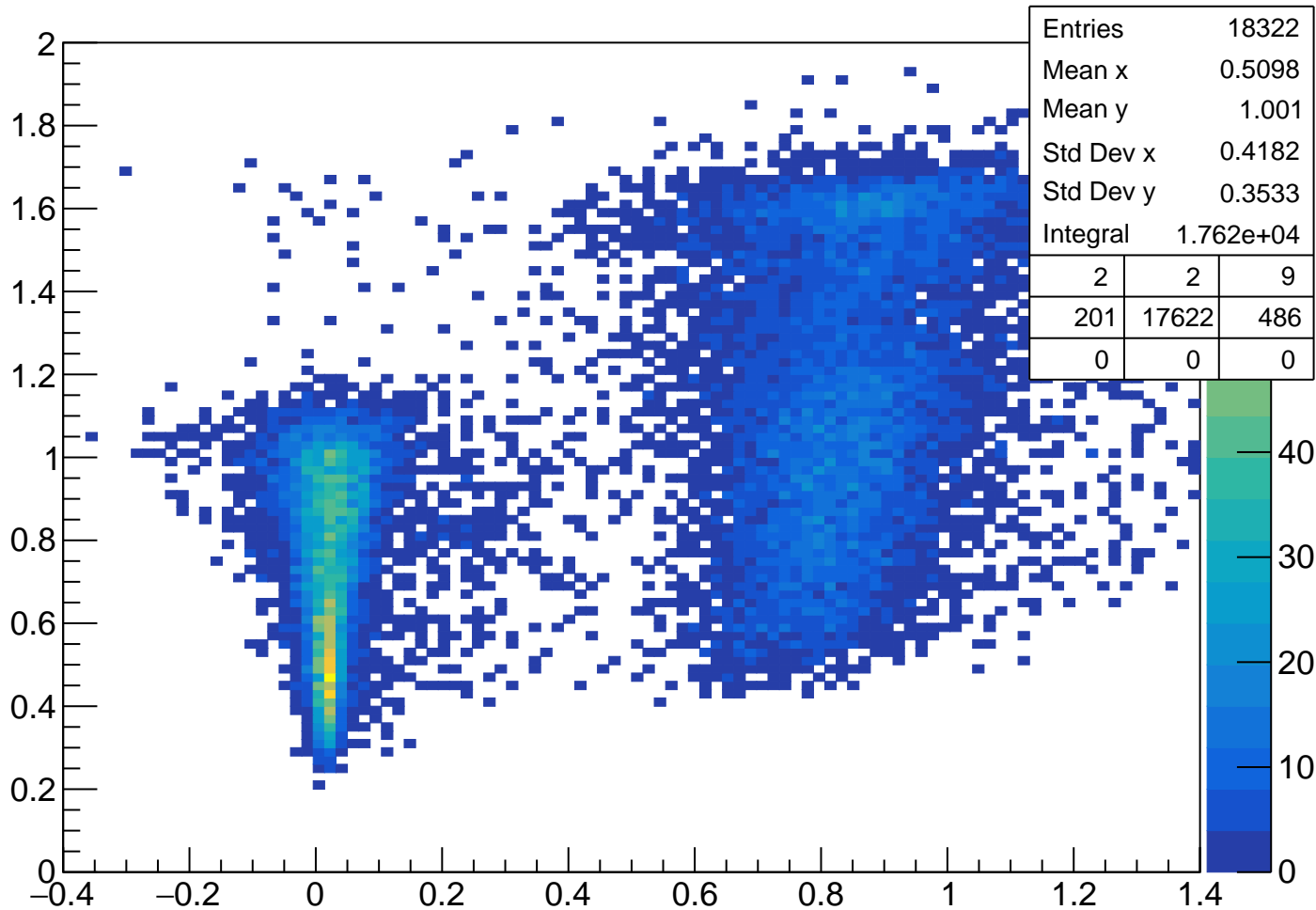


# tofsegKurama[0] % vpseg[1] Cut2

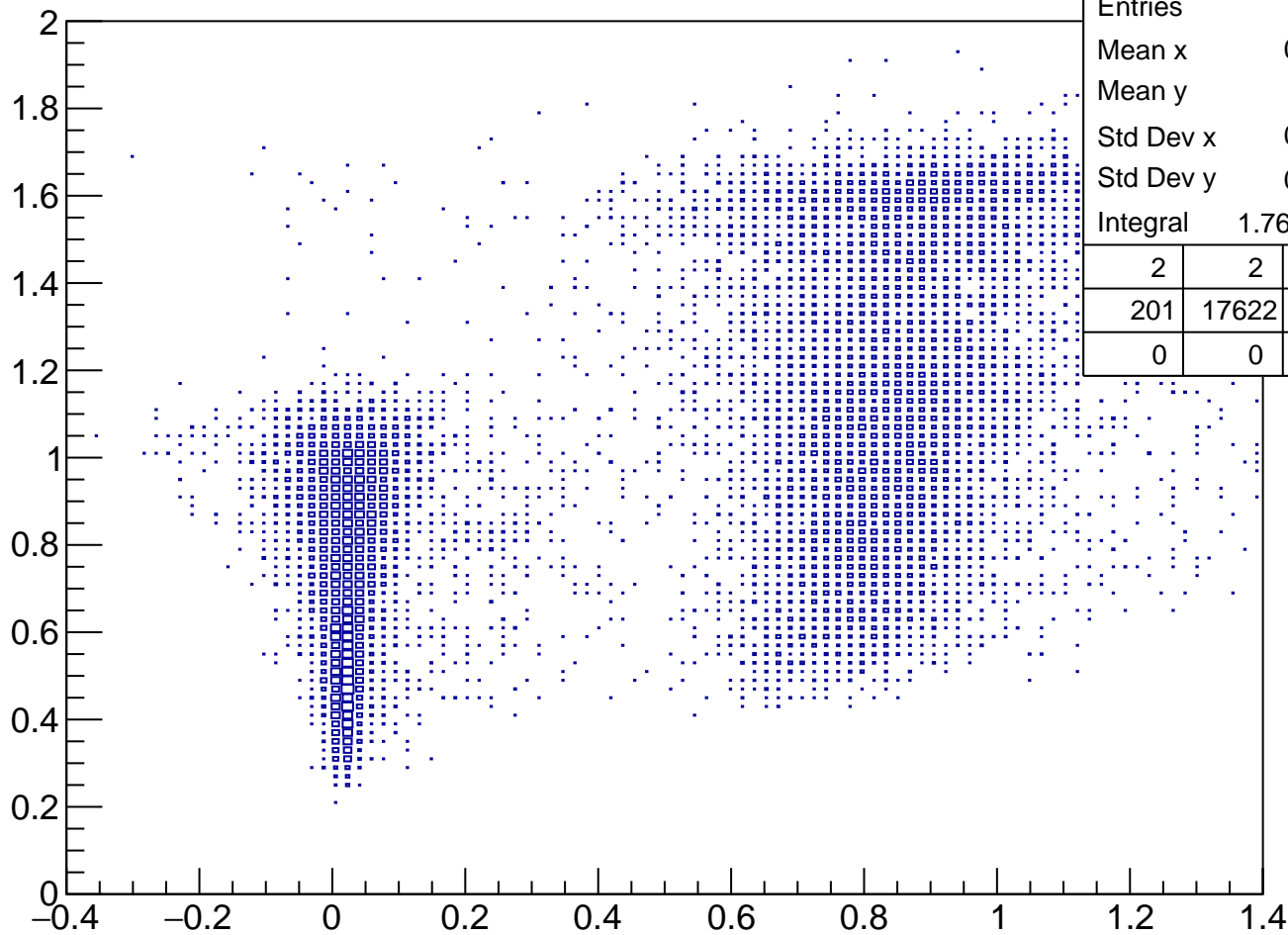


Entries	105124		
Mean x	19.64		
Mean y	17.97		
Std Dev x	7.302		
Std Dev y	3.553		
Integral	1.051e+05		
	0	0	0
	0	105124	0
	0	0	0

# pKurama % m2 Cut3

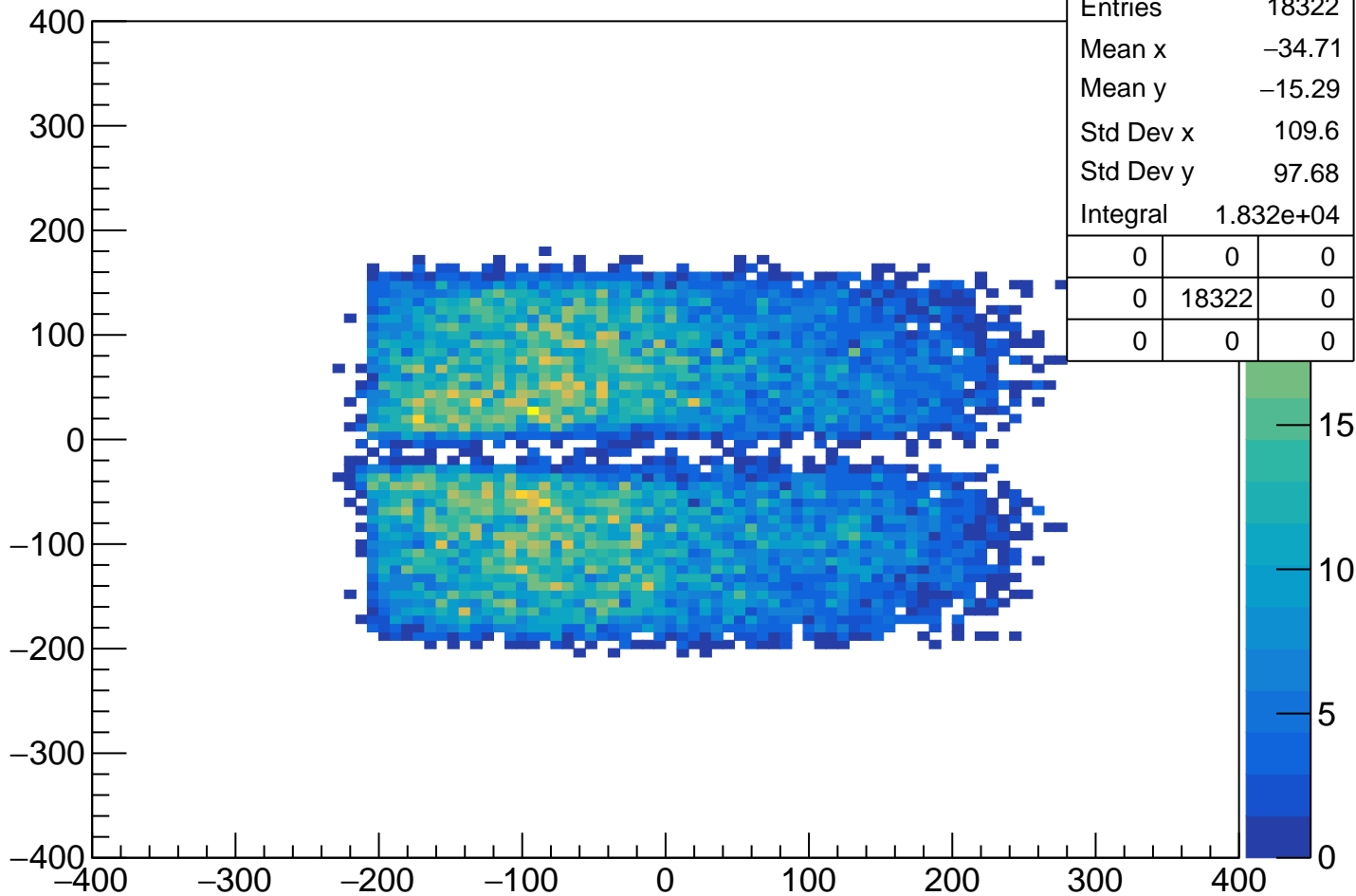


# pKurama % m2 Cut3

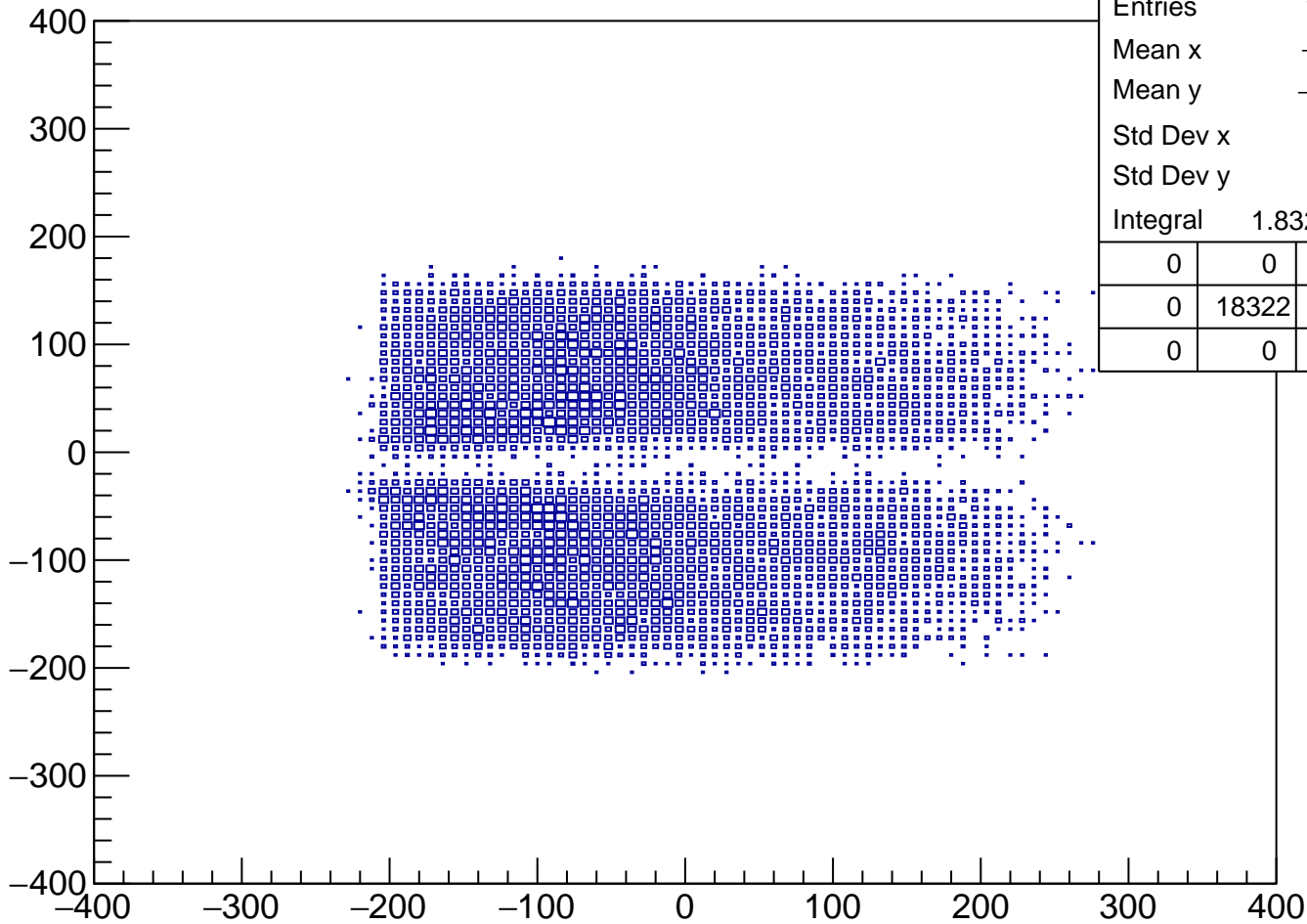


Entries	18322	
Mean x	0.5098	
Mean y	1.001	
Std Dev x	0.4182	
Std Dev y	0.3533	
Integral	1.762e+04	
	2	9
	201	486
	0	0

# vpy[1] % vpx[1]      Cut3

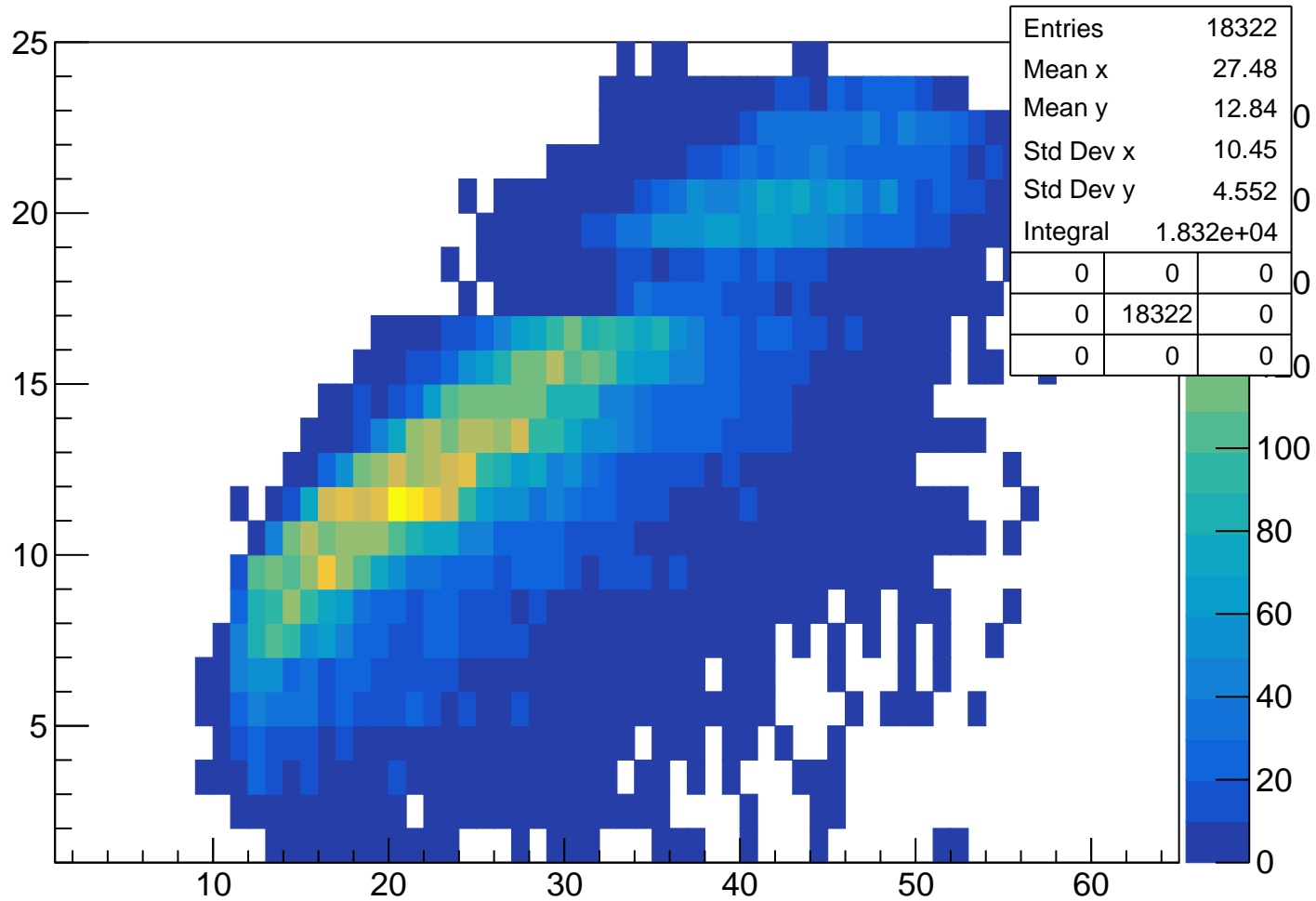


# vpy[1] % vpx[1]      Cut3

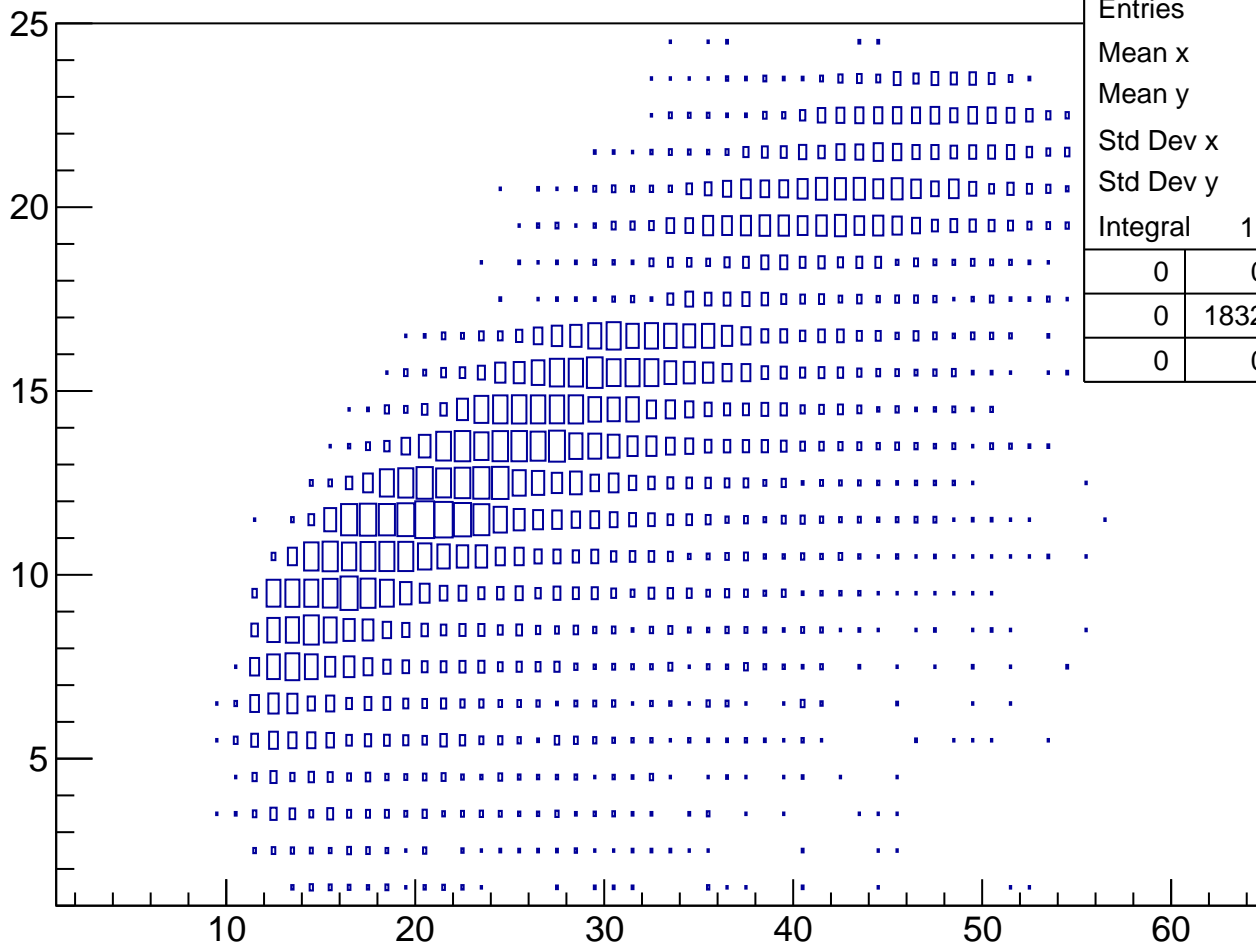


Entries	18322	
Mean x	-34.71	
Mean y	-15.29	
Std Dev x	109.6	
Std Dev y	97.68	
Integral	1.832e+04	
0	0	0
0	18322	0
0	0	0

# TofSeg[0] % vpseg[1] Cut3



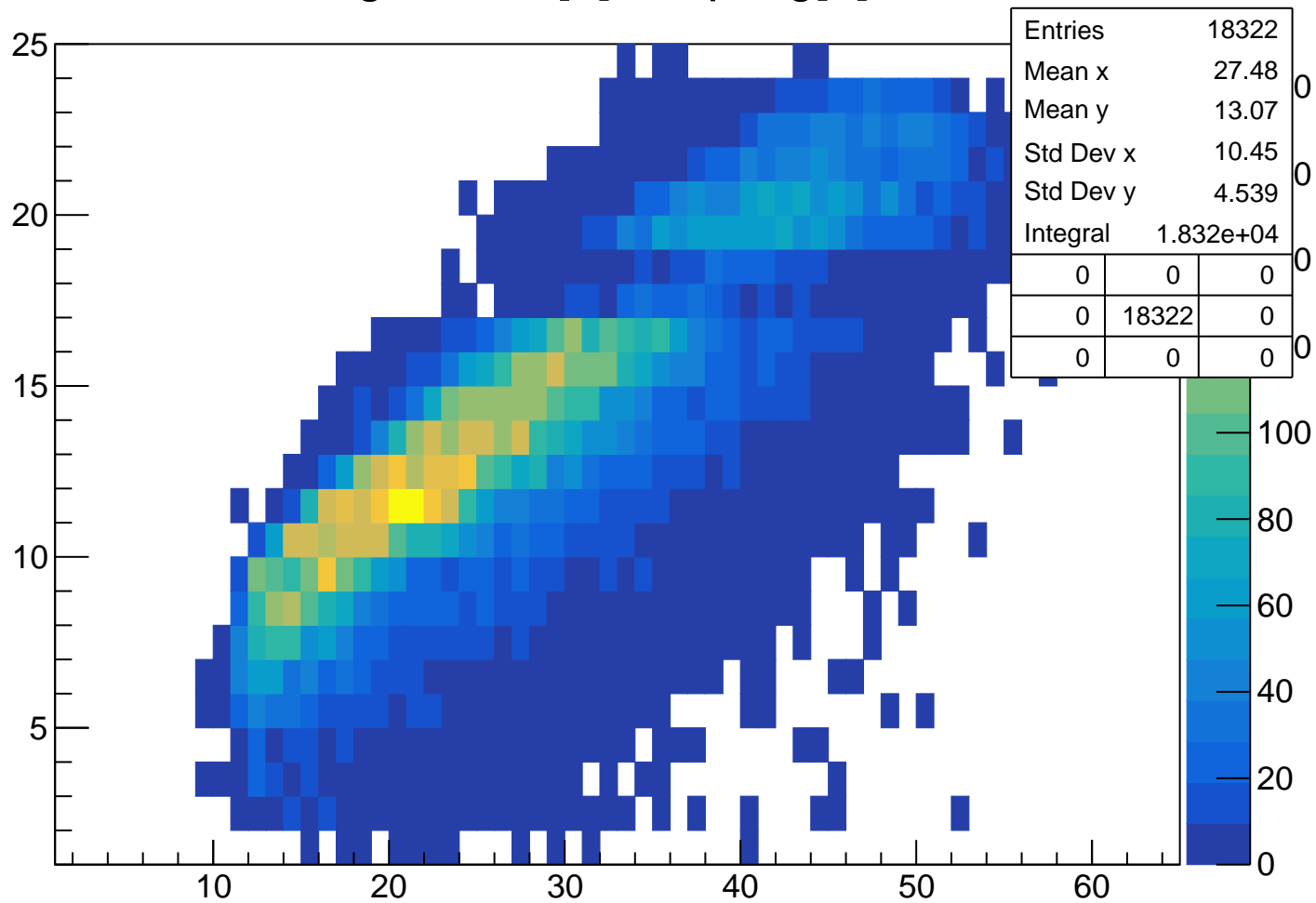
# TofSeg[0] % vpseg[1] Cut3



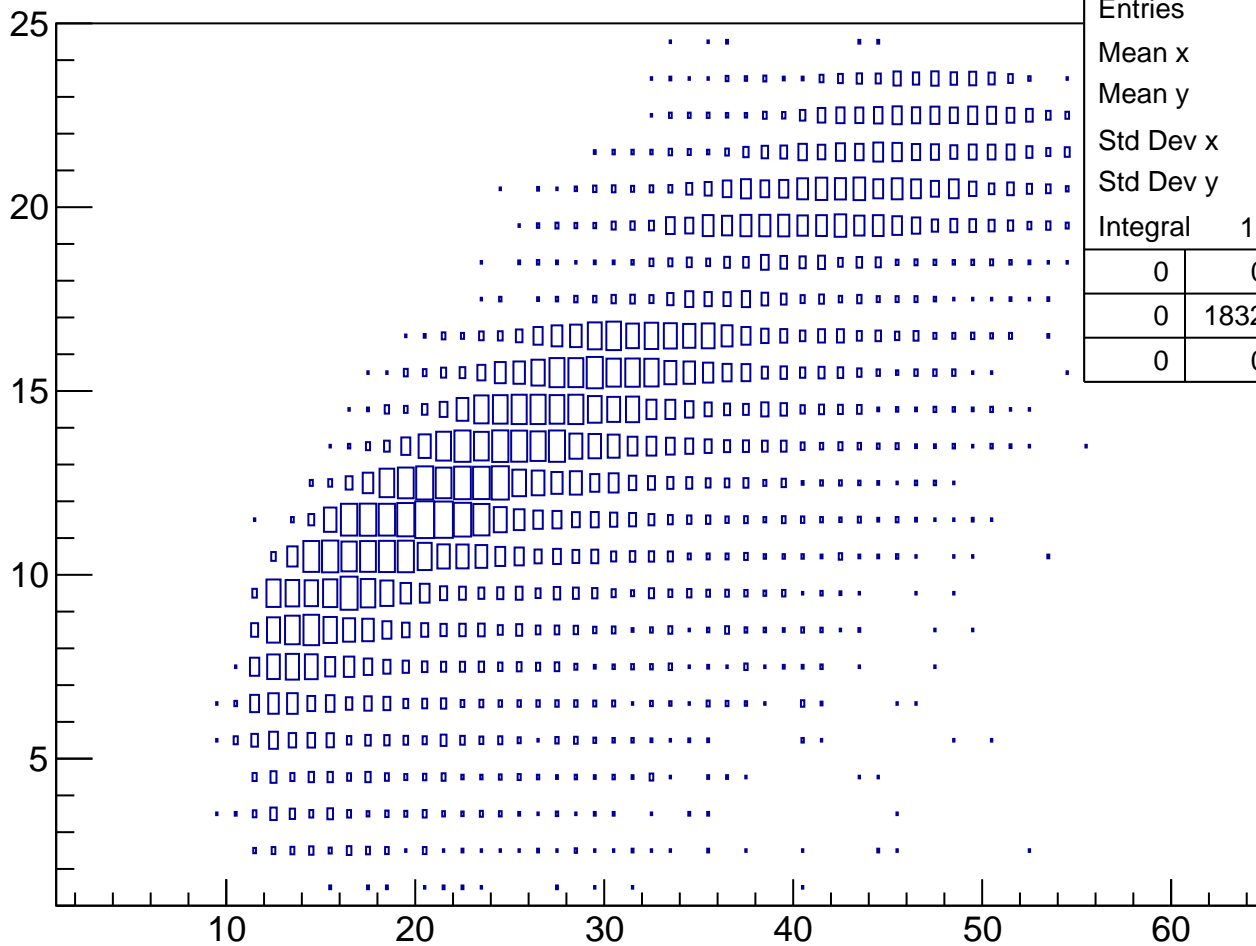
Entries	18322		
Mean x	27.48		
Mean y	12.84		
Std Dev x	10.45		
Std Dev y	4.552		
Integral	1.832e+04		
	0	0	0
	0	18322	0
	0	0	0



# tofsegKurama[0] % vpseg[1] Cut3

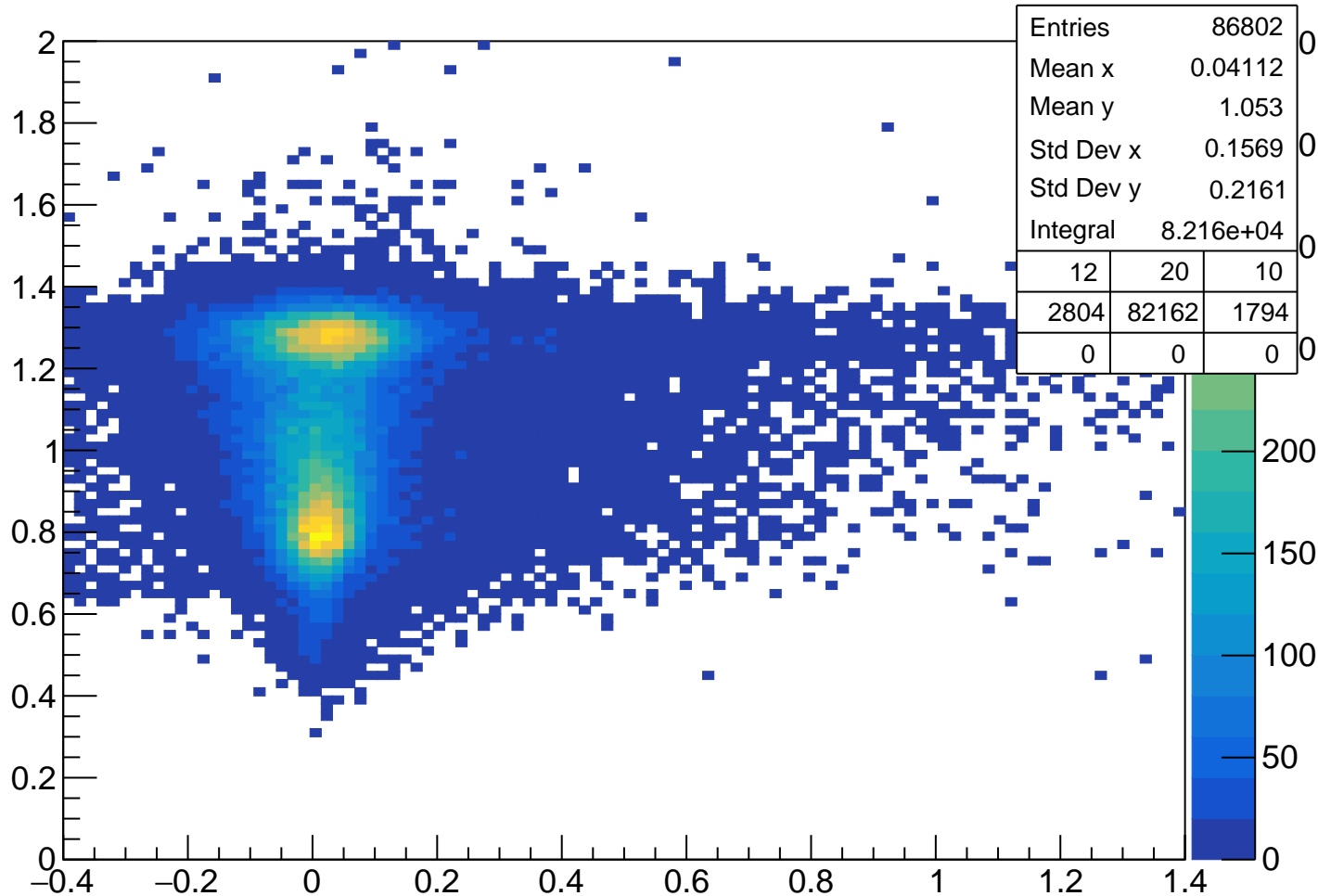


# tofsegKurama[0] % vpseg[1] Cut3

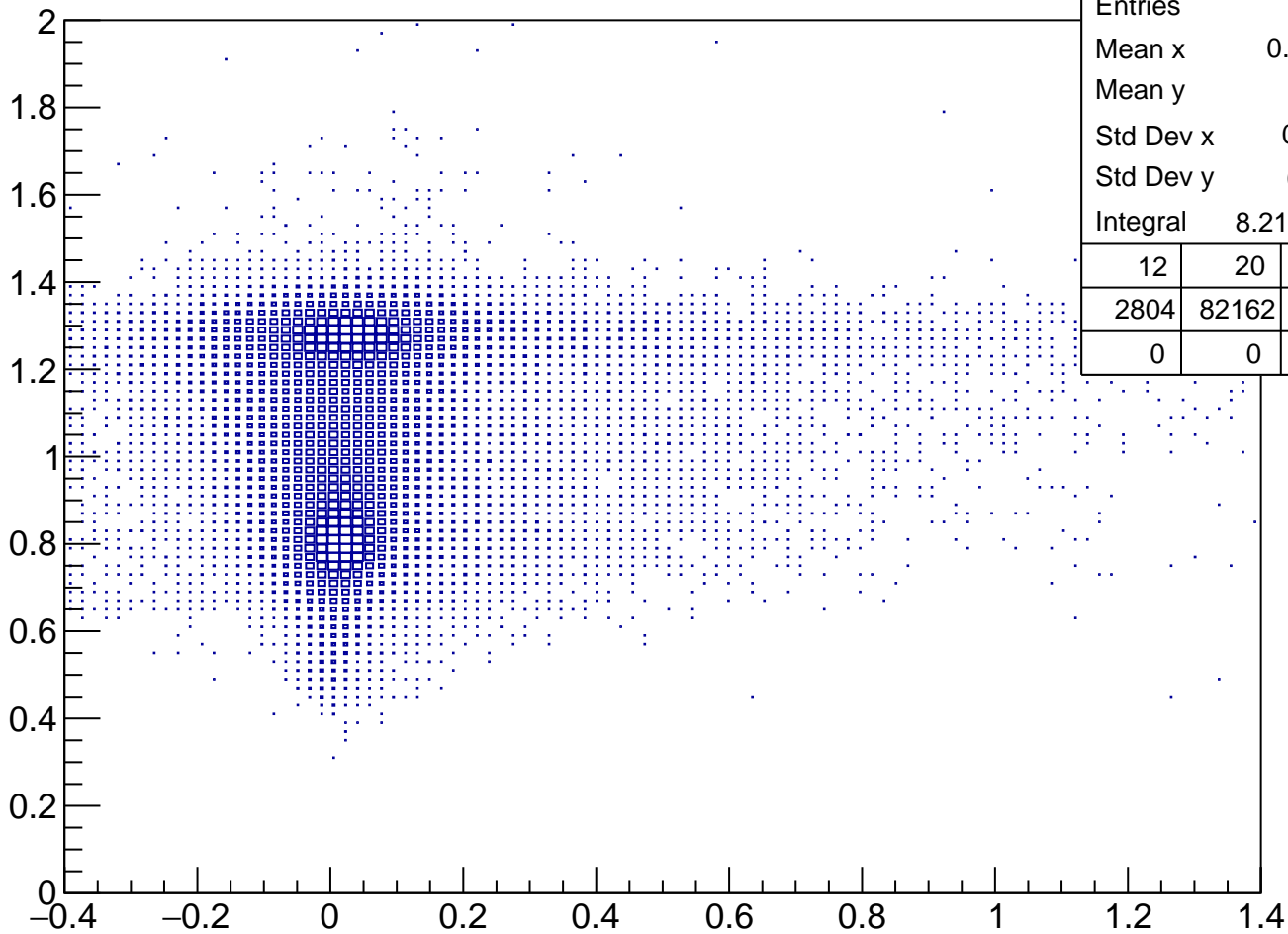


Entries	18322		
Mean x	27.48		
Mean y	13.07		
Std Dev x	10.45		
Std Dev y	4.539		
Integral	1.832e+04		
	0	0	0
	0	18322	0
	0	0	0

# pKurama % m2 Cut4

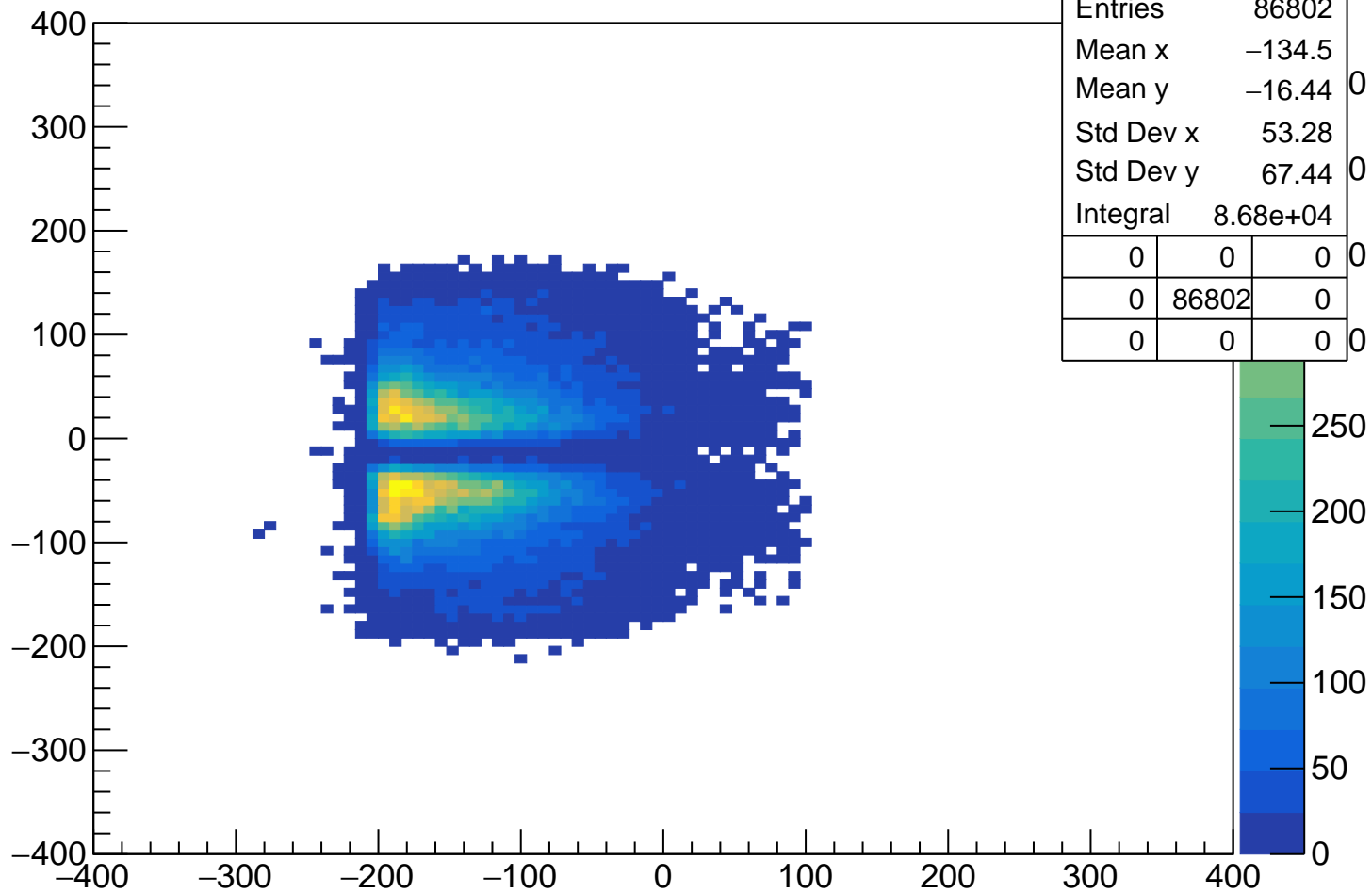


# pKurama % m2 Cut4

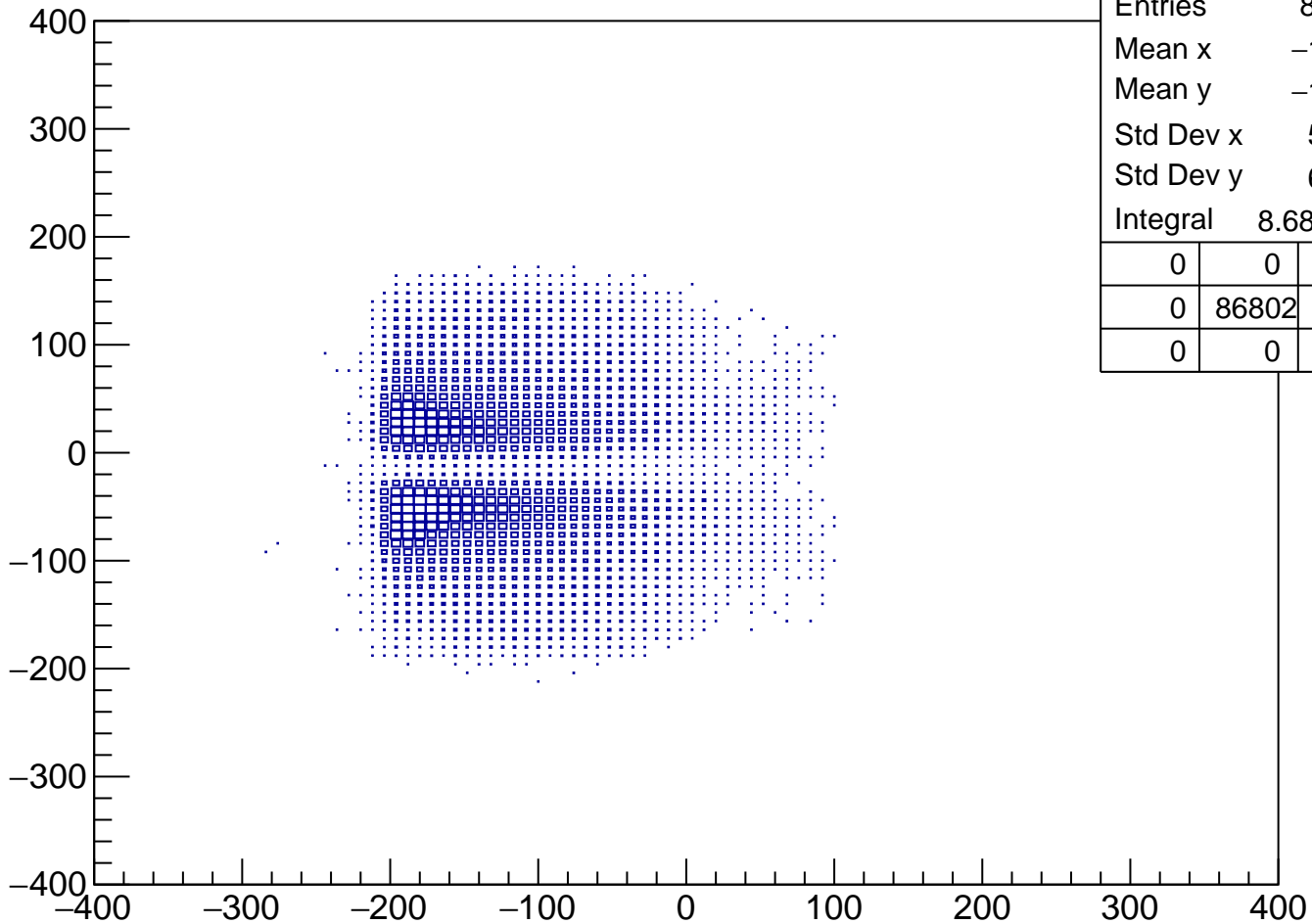


Entries	86802	
Mean x	0.04112	
Mean y	1.053	
Std Dev x	0.1569	
Std Dev y	0.2161	
Integral	8.216e+04	
12	20	10
2804	82162	1794
0	0	0

vpy[1] % vpx[1]      Cut4

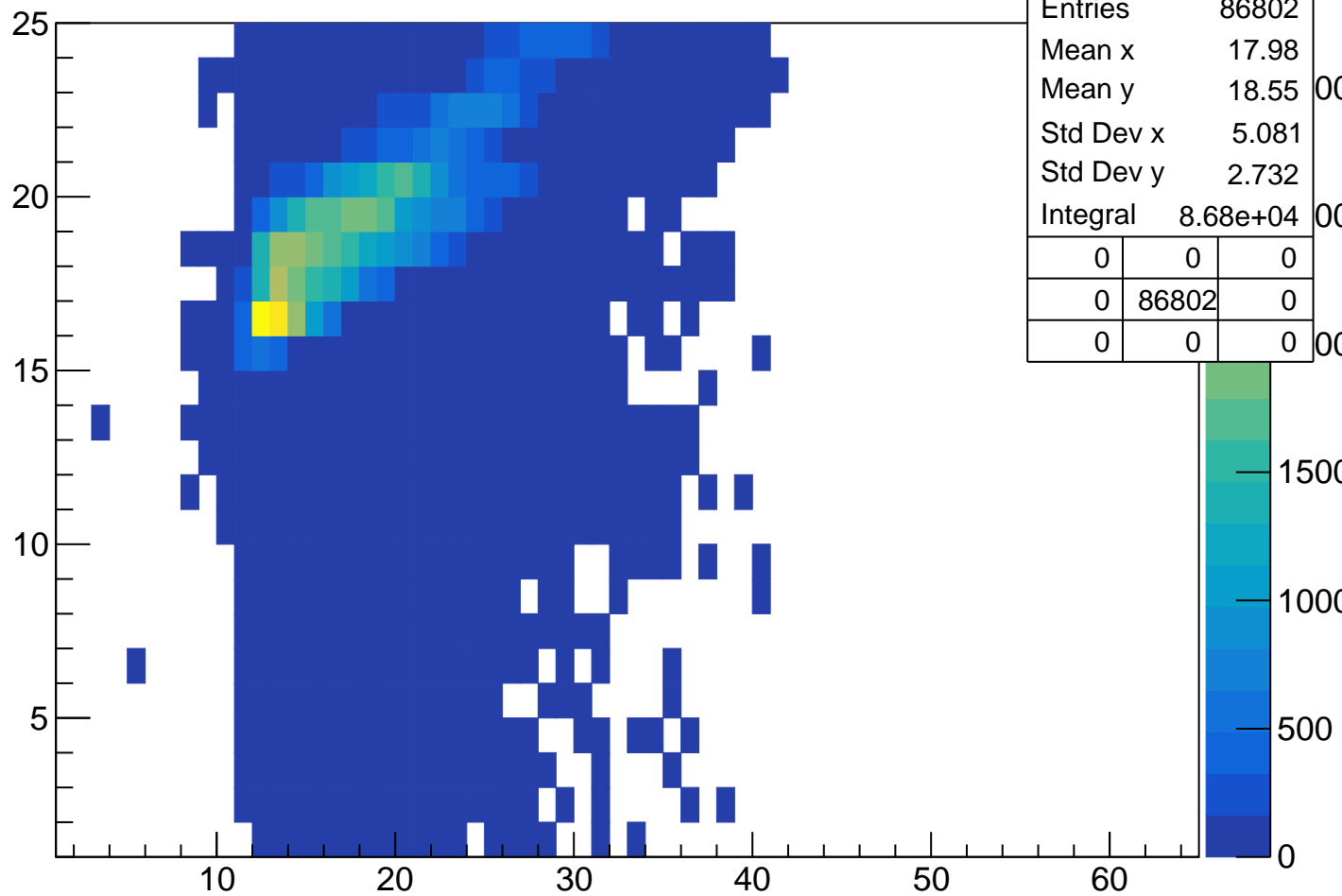


# vpy[1] % vpx[1]      Cut4

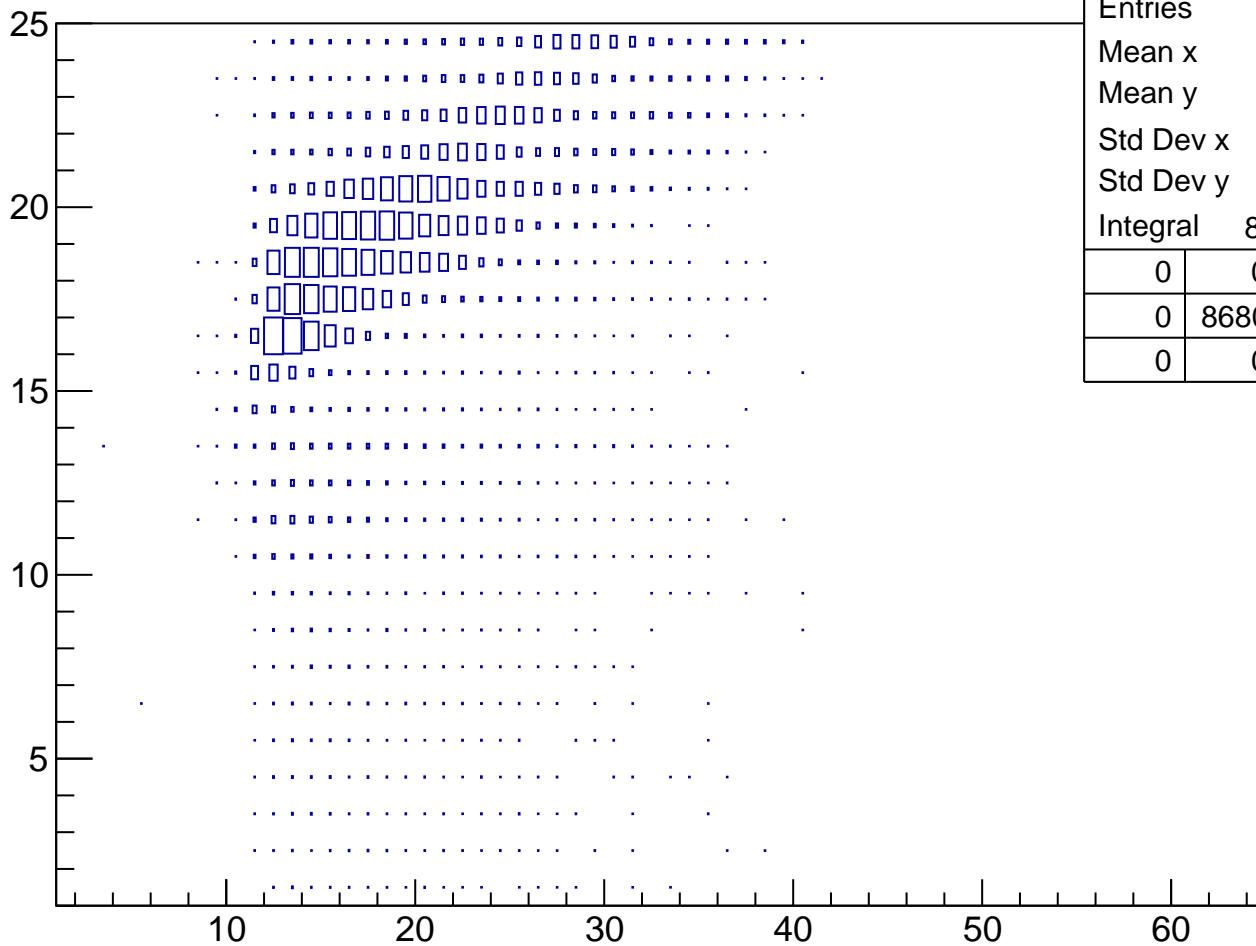


Entries	86802	
Mean x	-134.5	
Mean y	-16.44	
Std Dev x	53.28	
Std Dev y	67.44	
Integral	8.68e+04	
0	0	0
0	86802	0
0	0	0

# TofSeg[0] % vpseg[1] Cut4



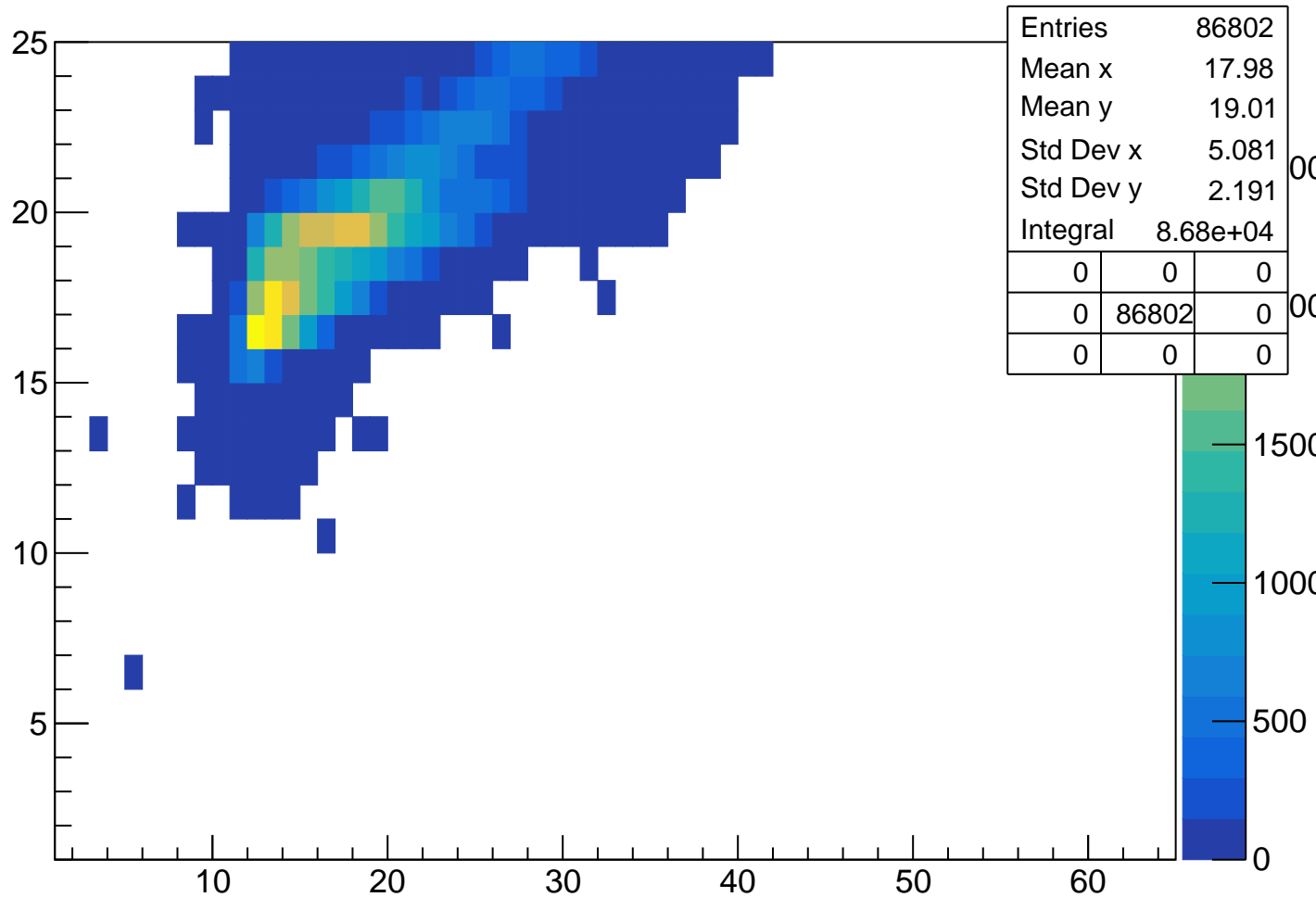
# TofSeg[0] % vpseg[1] Cut4



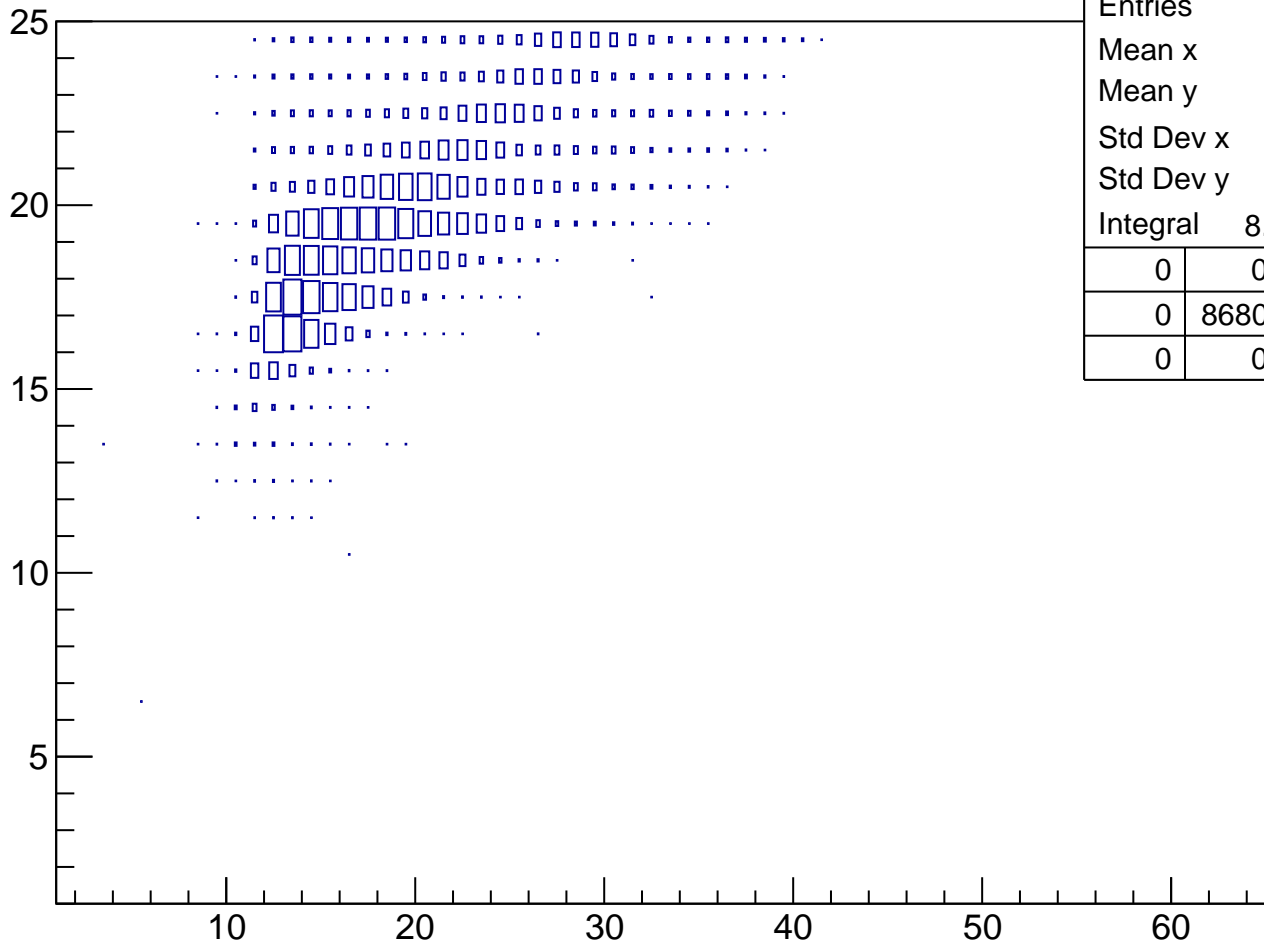
Entries	86802	
Mean x	17.98	
Mean y	18.55	
Std Dev x	5.081	
Std Dev y	2.732	
Integral	8.68e+04	
0	0	0
0	86802	0
0	0	0



# tofsegKurama[0] % vpseg[1] Cut4

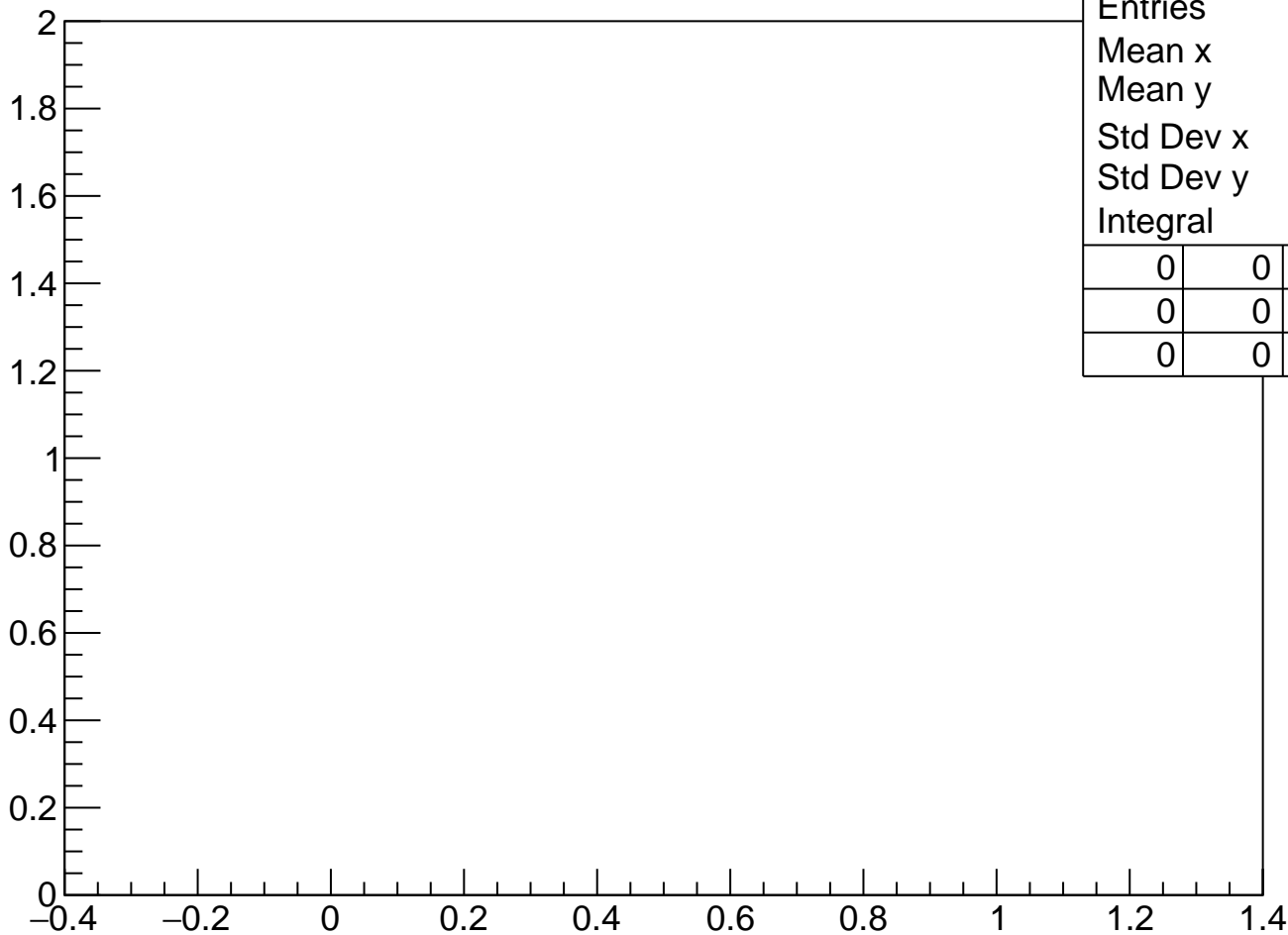


# tofsegKurama[0] % vpseg[1] Cut4



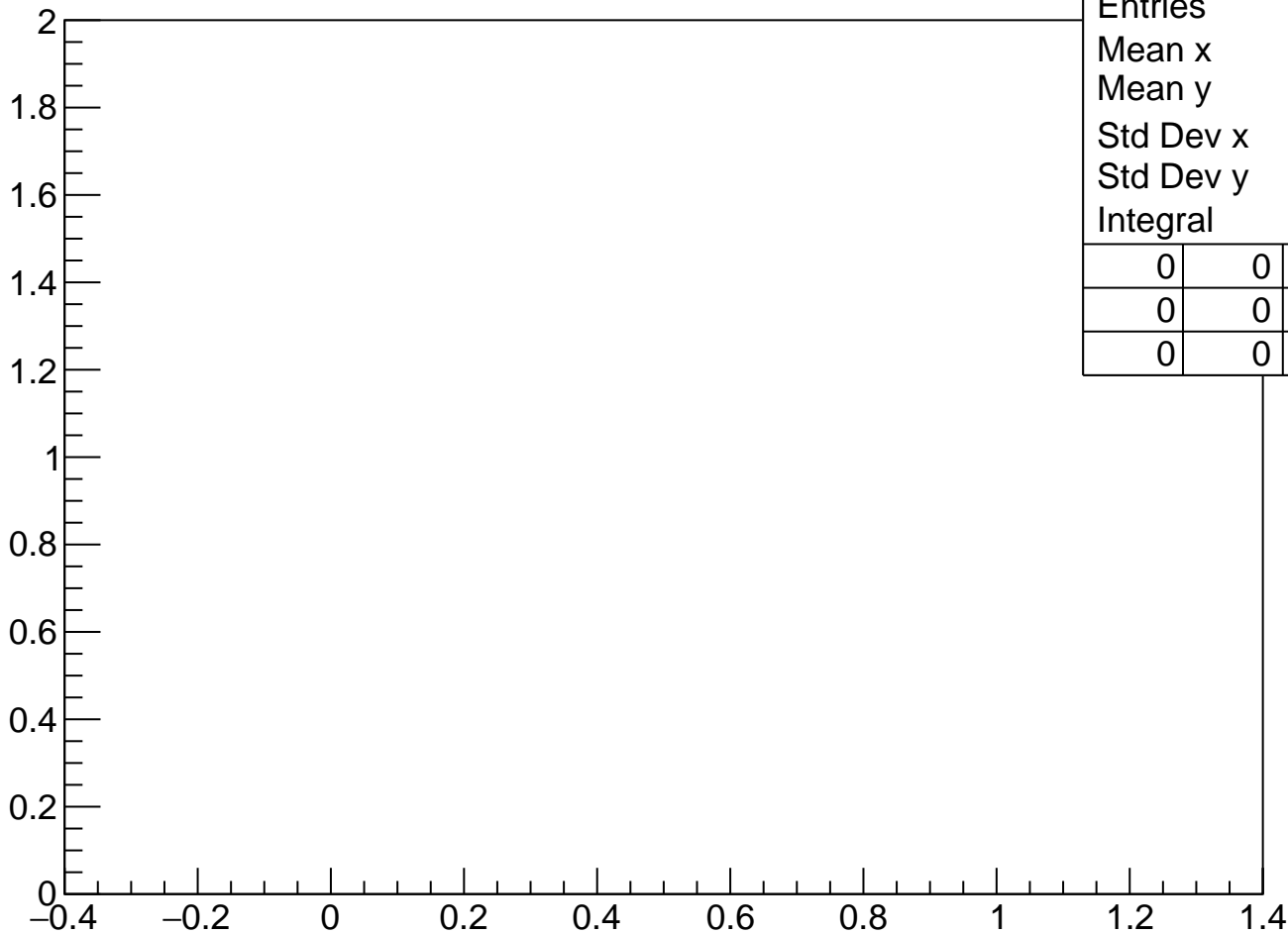
Entries	86802	
Mean x	17.98	
Mean y	19.01	
Std Dev x	5.081	
Std Dev y	2.191	
Integral	8.68e+04	
0	0	0
0	86802	0
0	0	0

# pKurama vs m2 Cut3 $0 < \text{pKurama}[0] < 0.2$



Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

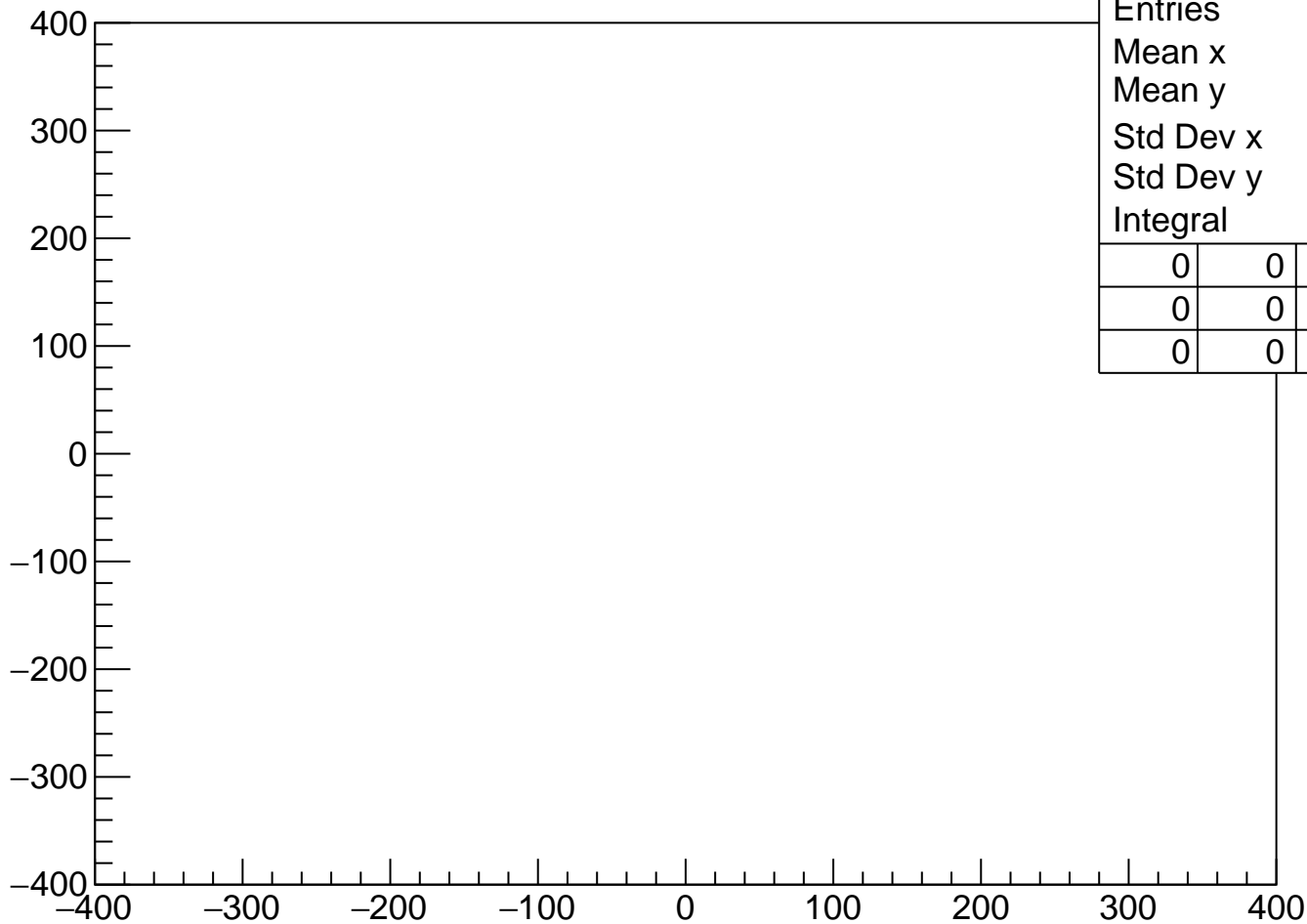
# pKurama vs m2 Cut3 $0 < \text{pKurama}[0] < 0.2$



Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

vpy[1] vs vpx[1]

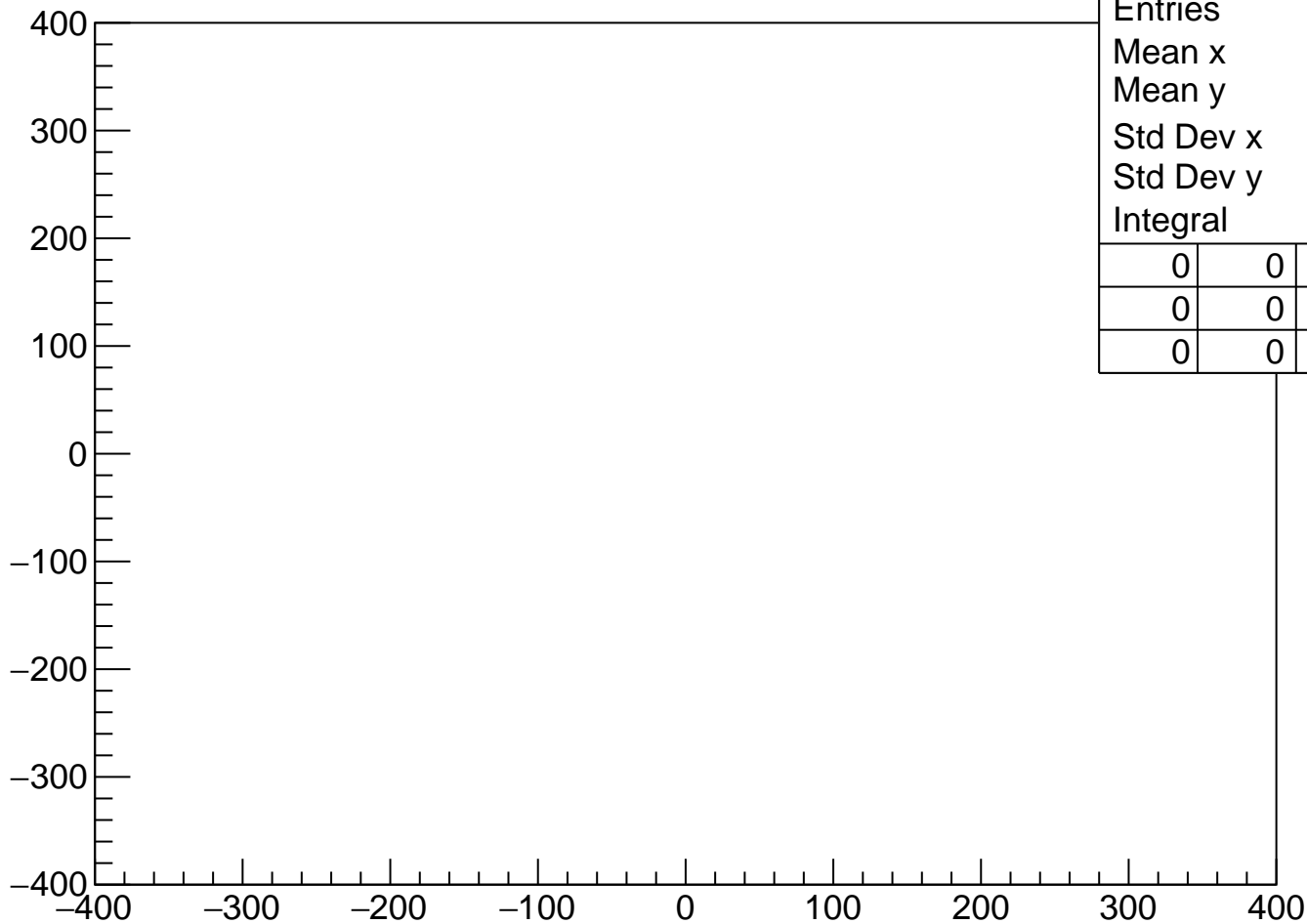
Cut3 0<pKurama[0]<0.2



Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

vpy[1] vs vpx[1]

Cut3 0<pKurama[0]<0.2

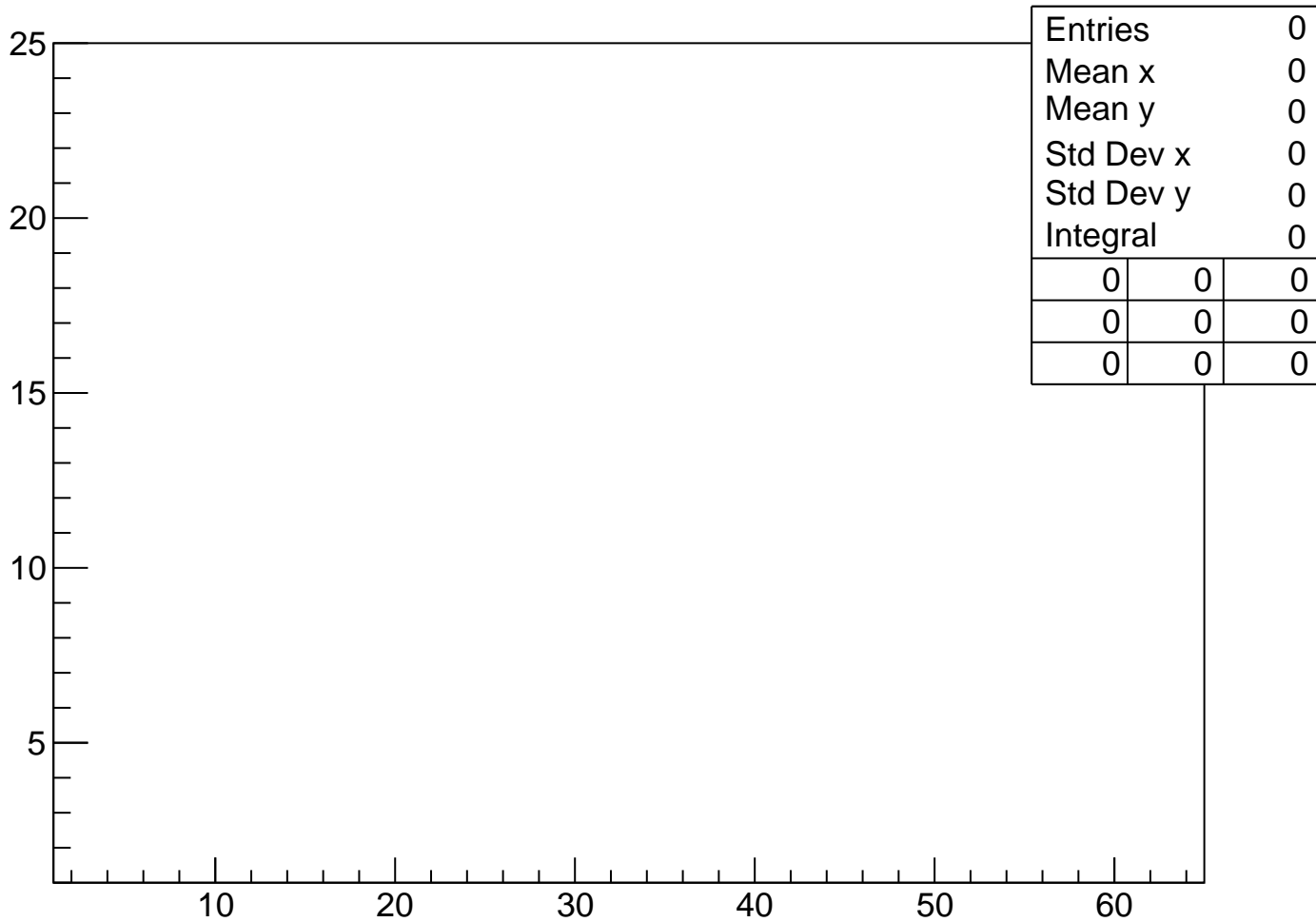


Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

TofSeg[0] vs vpseg[1] Cut3 0<pKurama[0]<0.2

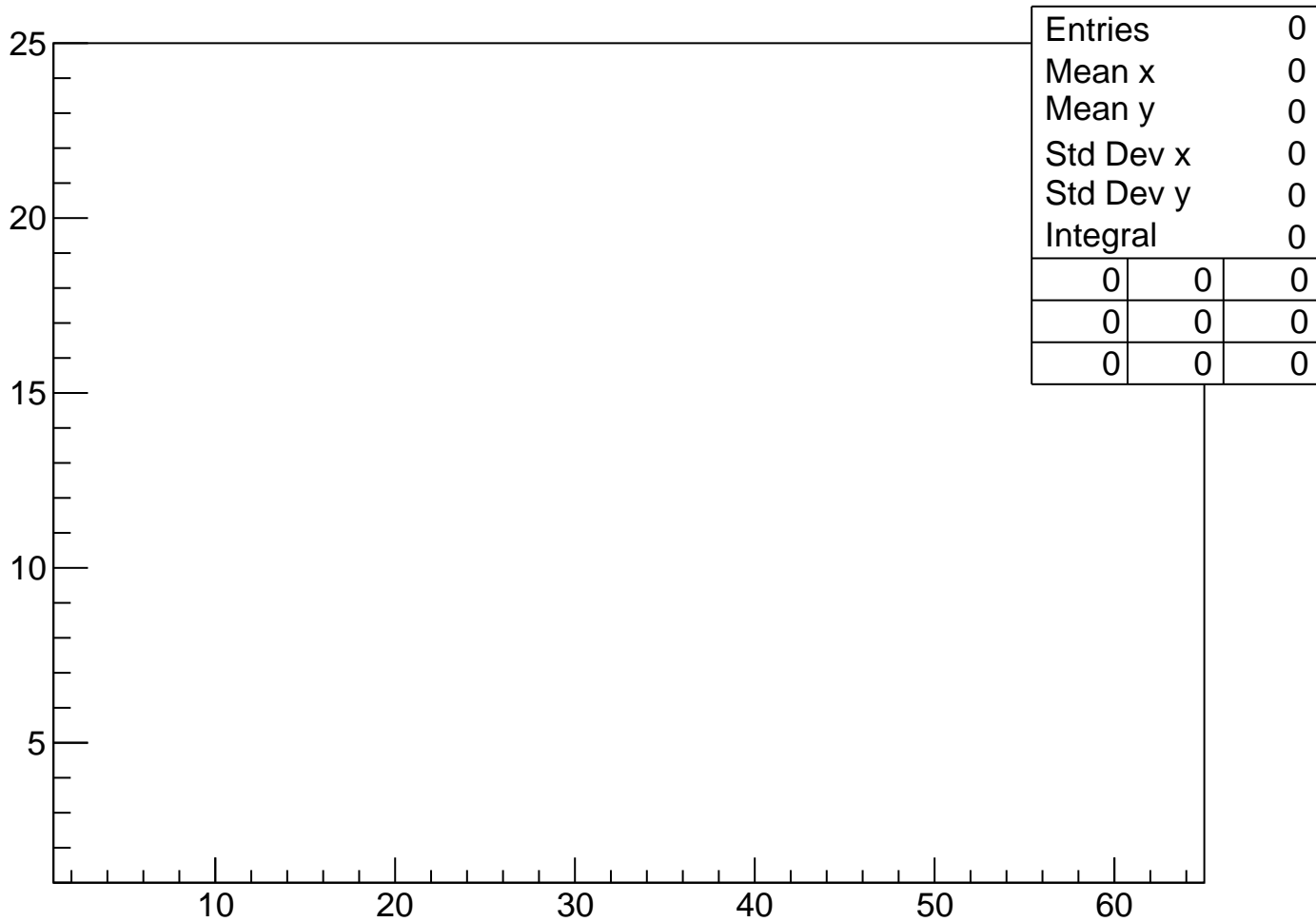


TofSeg[0] vs vpseg[1] Cut3 0<pKurama[0]<0.2

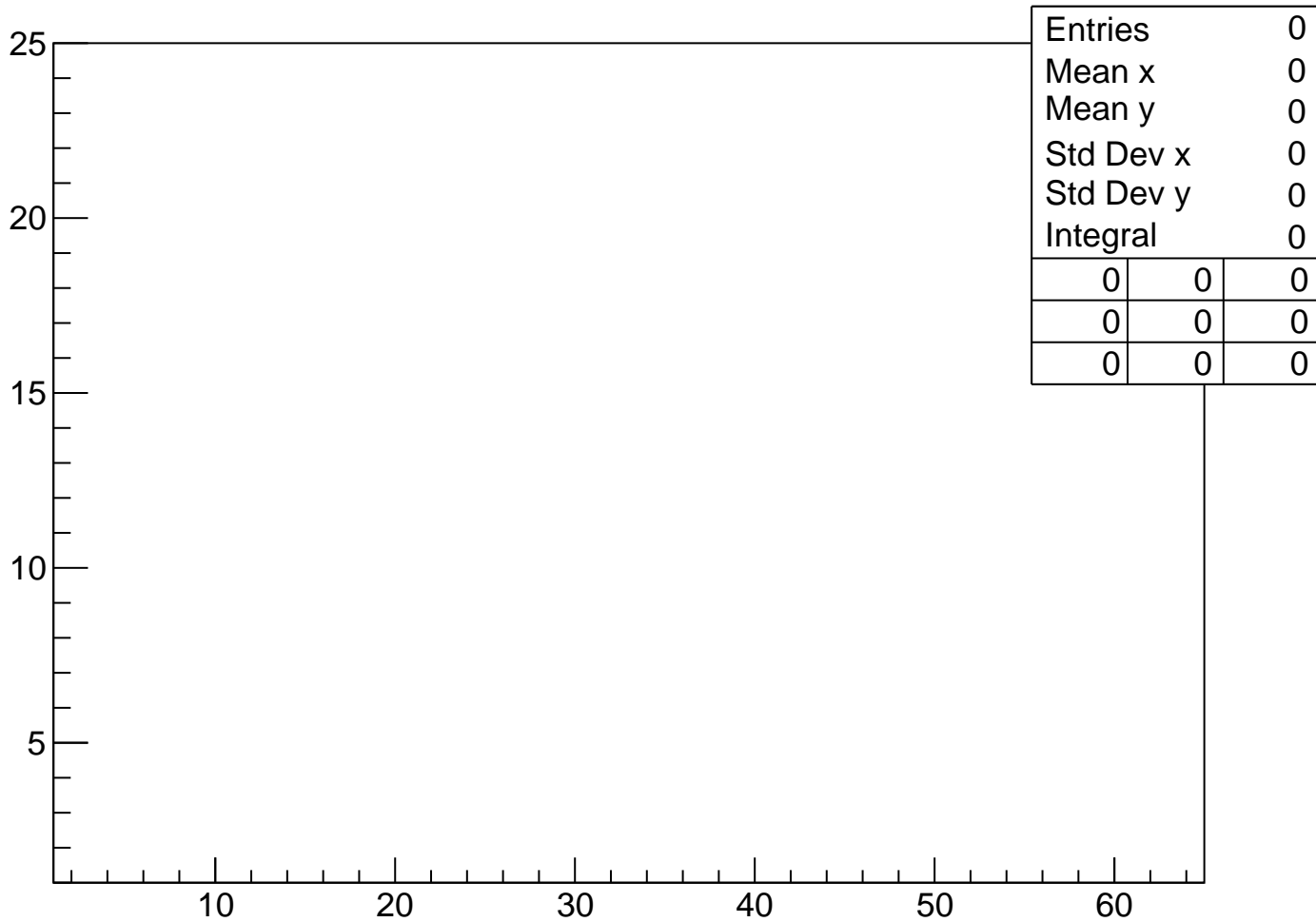




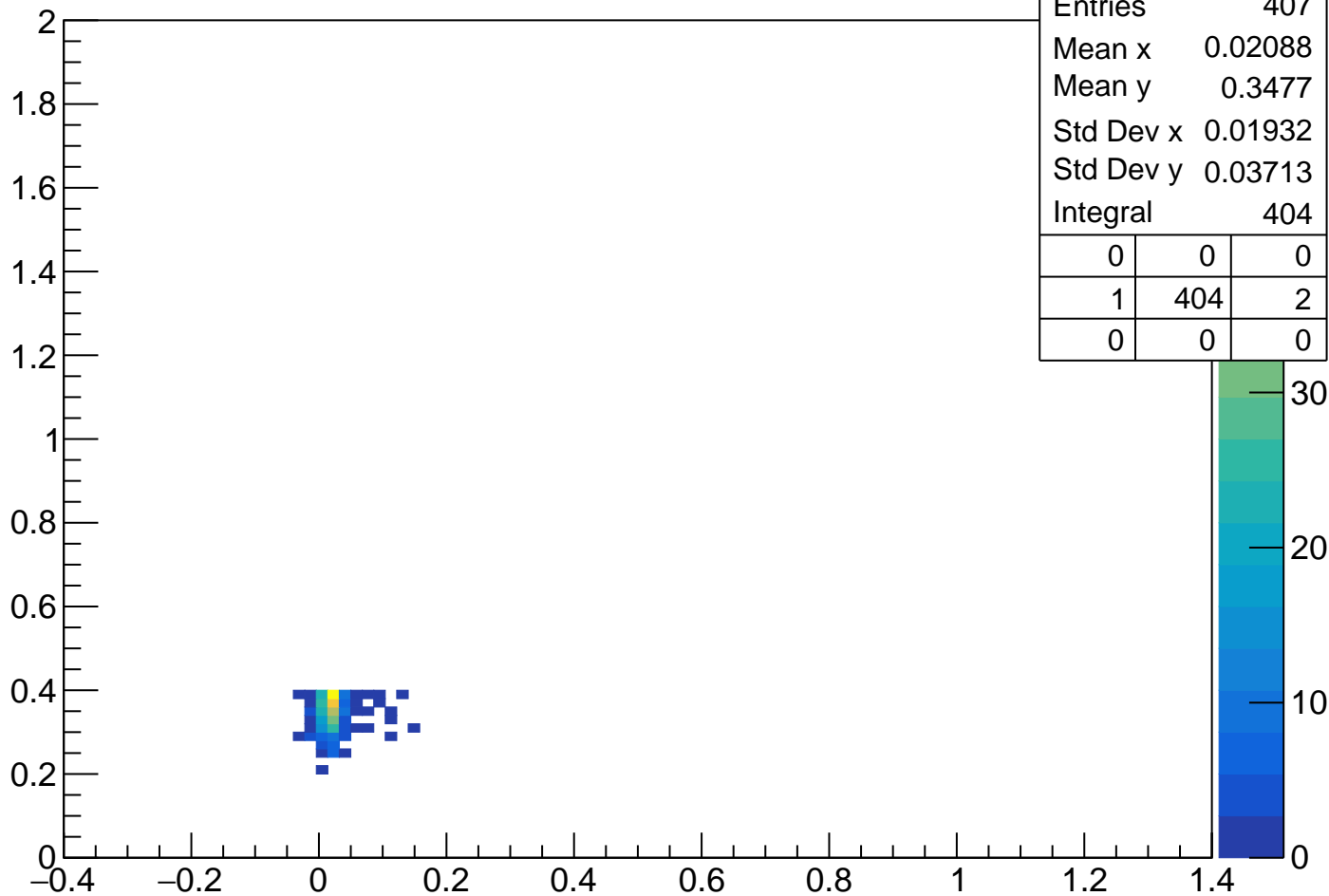
tofsegKurama[0] vs vpseg[1] Cut3 0<pKurama[0]<0.2



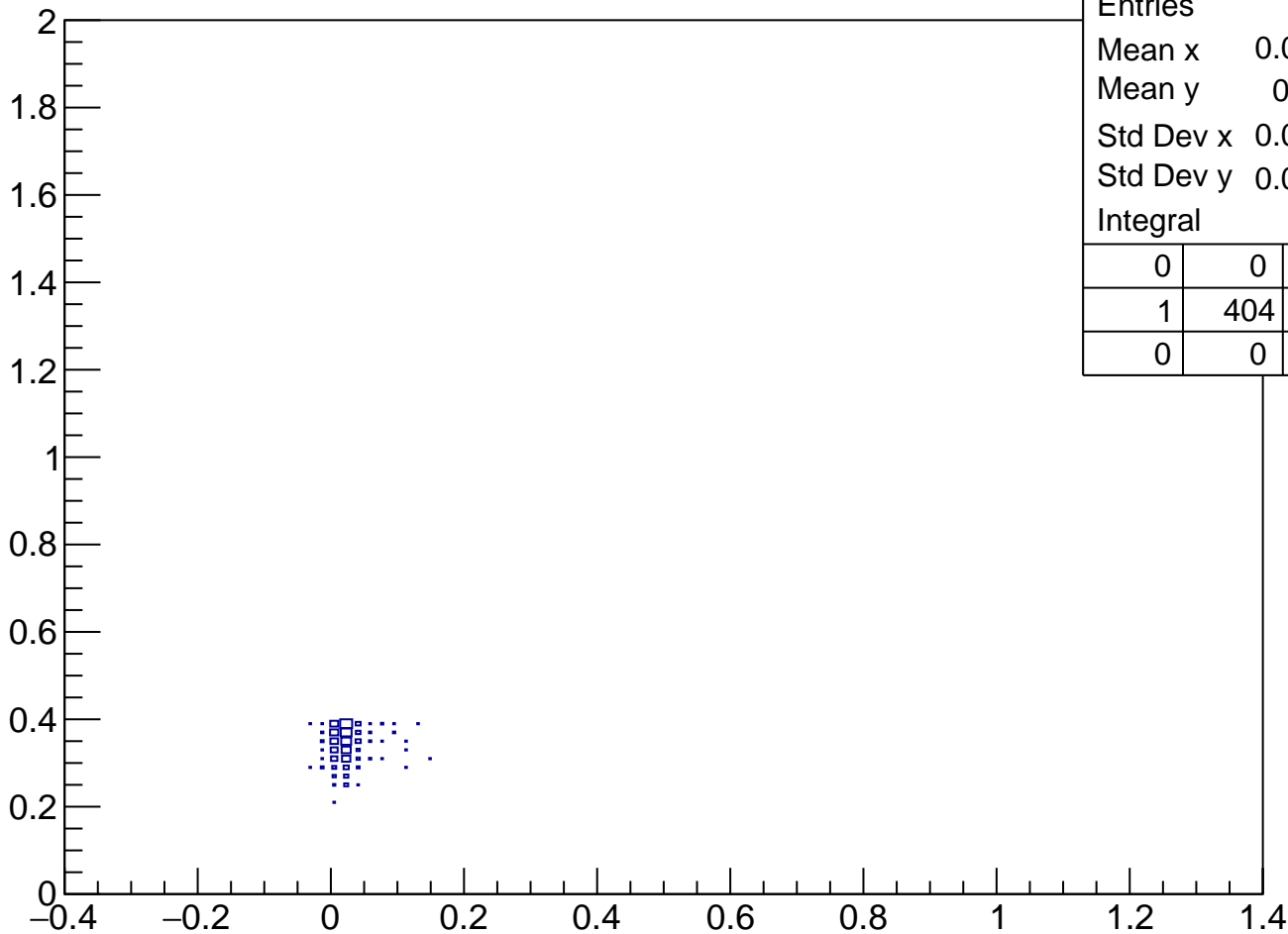
tofsegKurama[0] vs vpseg[1] Cut3 0<pKurama[0]<0.2



# pKurama vs m2 Cut3 $0.2 < \text{pKurama}[0] < 0.4$

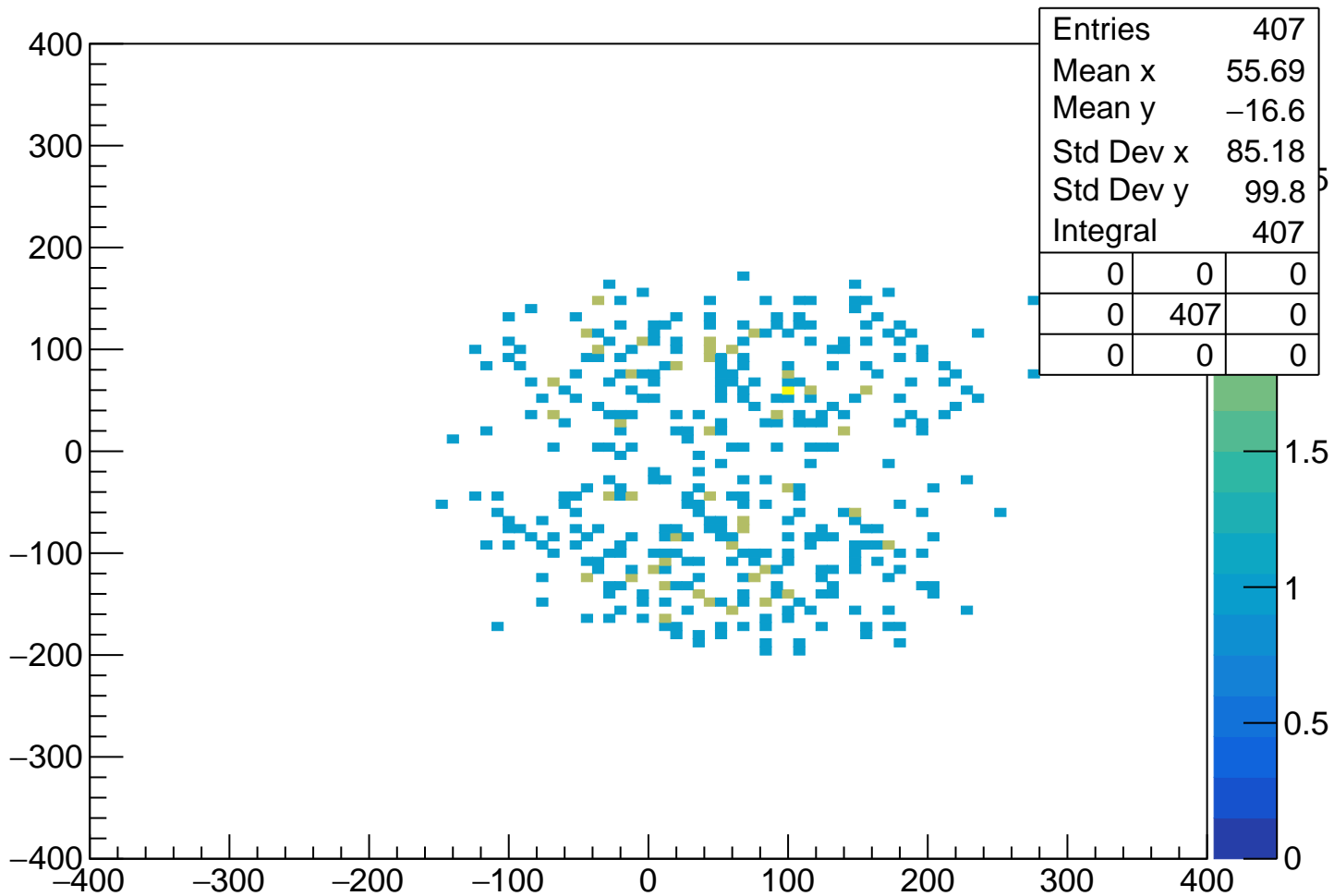


# pKurama vs m2 Cut3 $0.2 < \text{pKurama}[0] < 0.4$

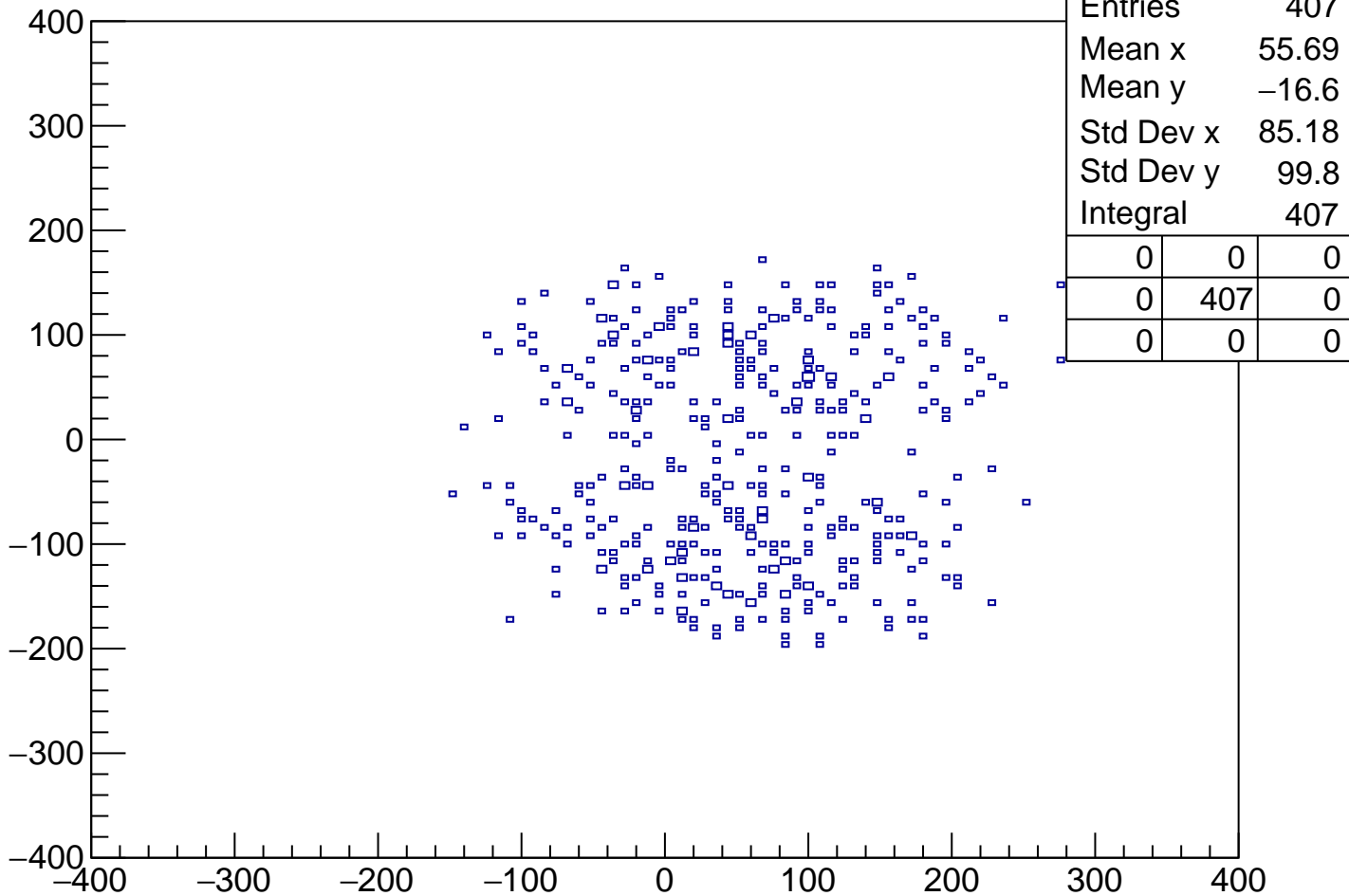


Entries	407	
Mean x	0.02088	
Mean y	0.3477	
Std Dev x	0.01932	
Std Dev y	0.03713	
Integral	404	
0	0	0
1	404	2
0	0	0

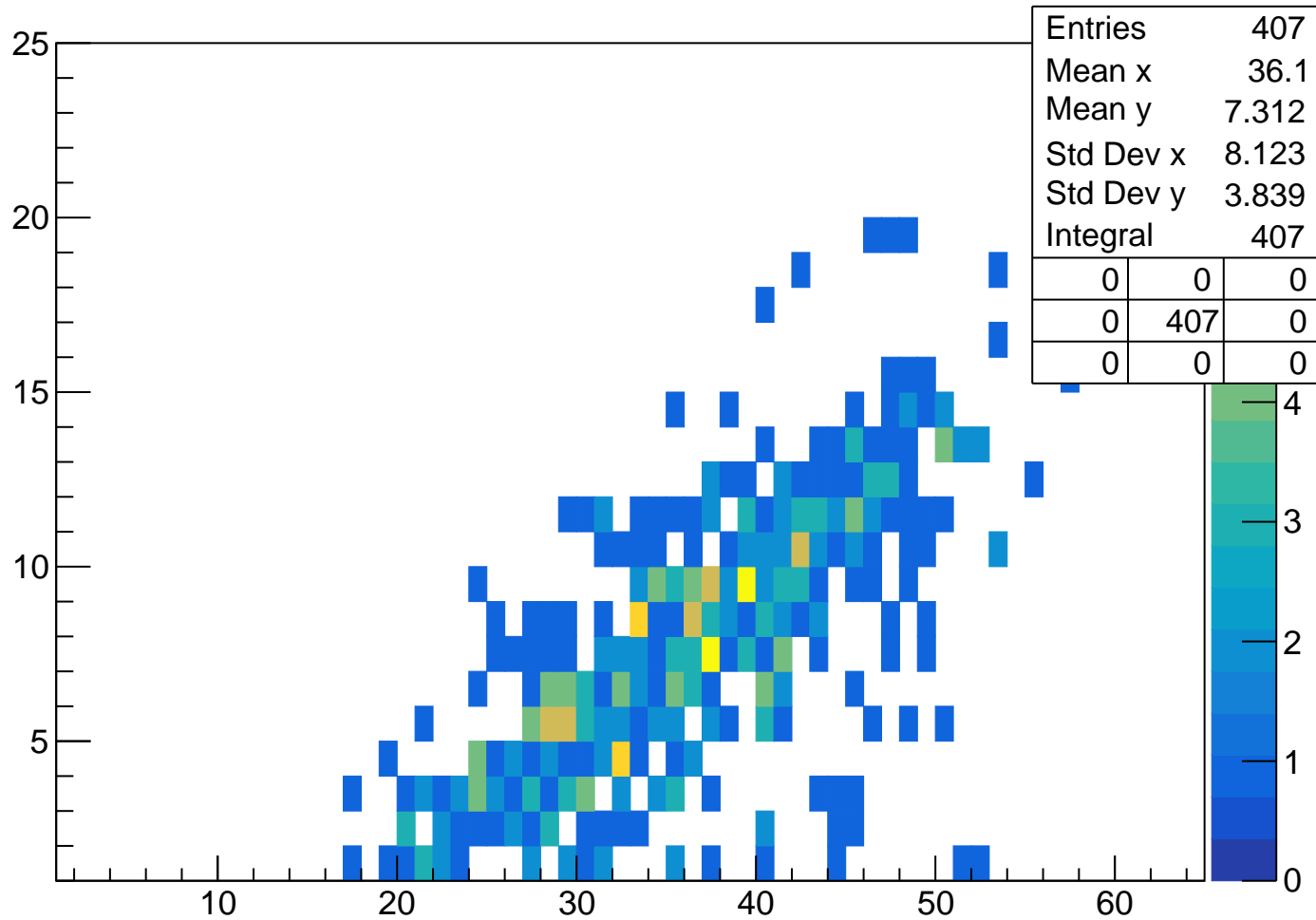
vpy[1] vs vpx[1]      Cut3 0.2<pKurama[0]<0.4



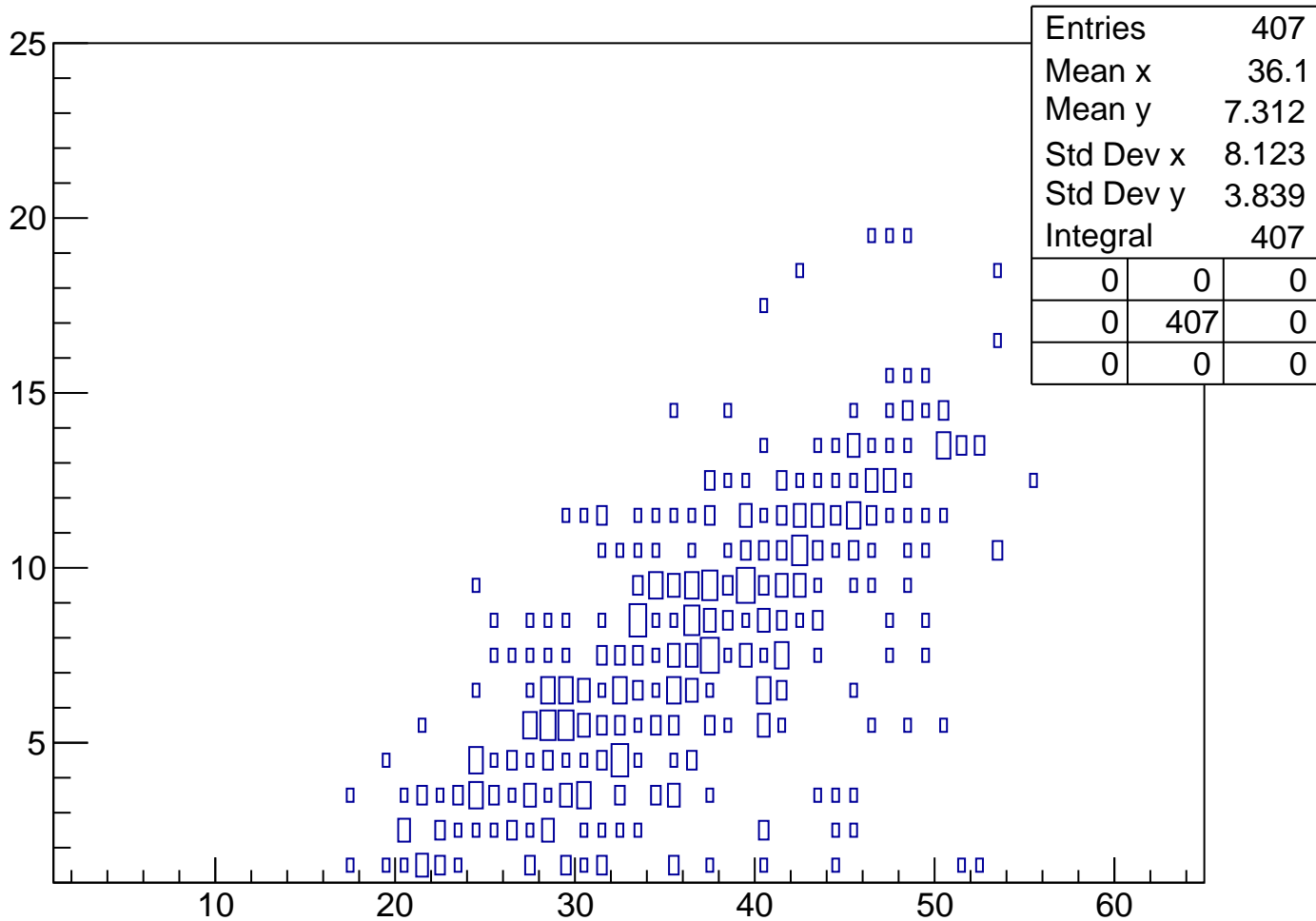
vpy[1] vs vpx[1]      Cut3 0.2<pKurama[0]<0.4



TofSeg[0] vs vpseg[1] Cut3 0.2<pKurama[0]<0.4

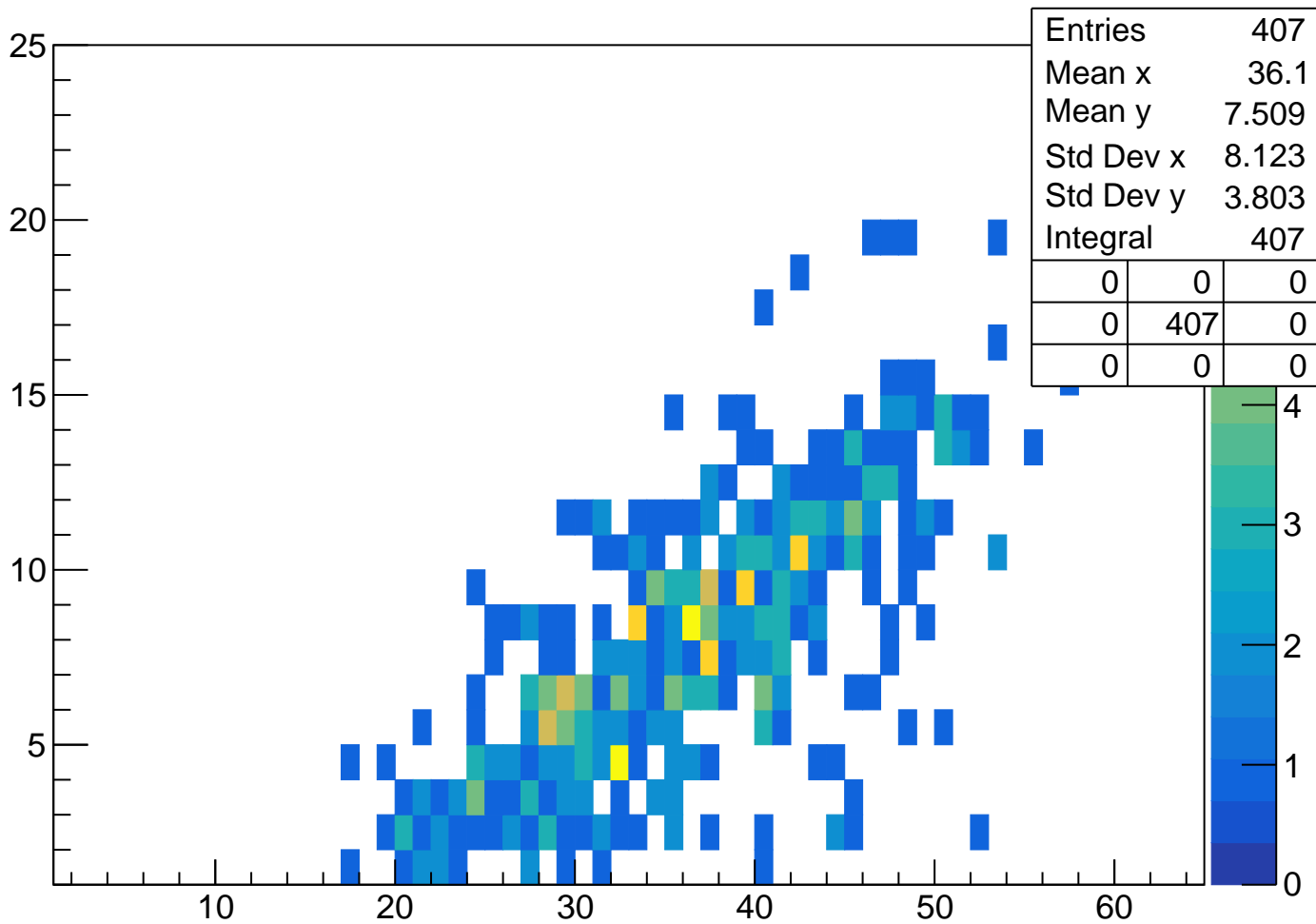


TofSeg[0] vs vpseg[1] Cut3 0.2<pKurama[0]<0.4

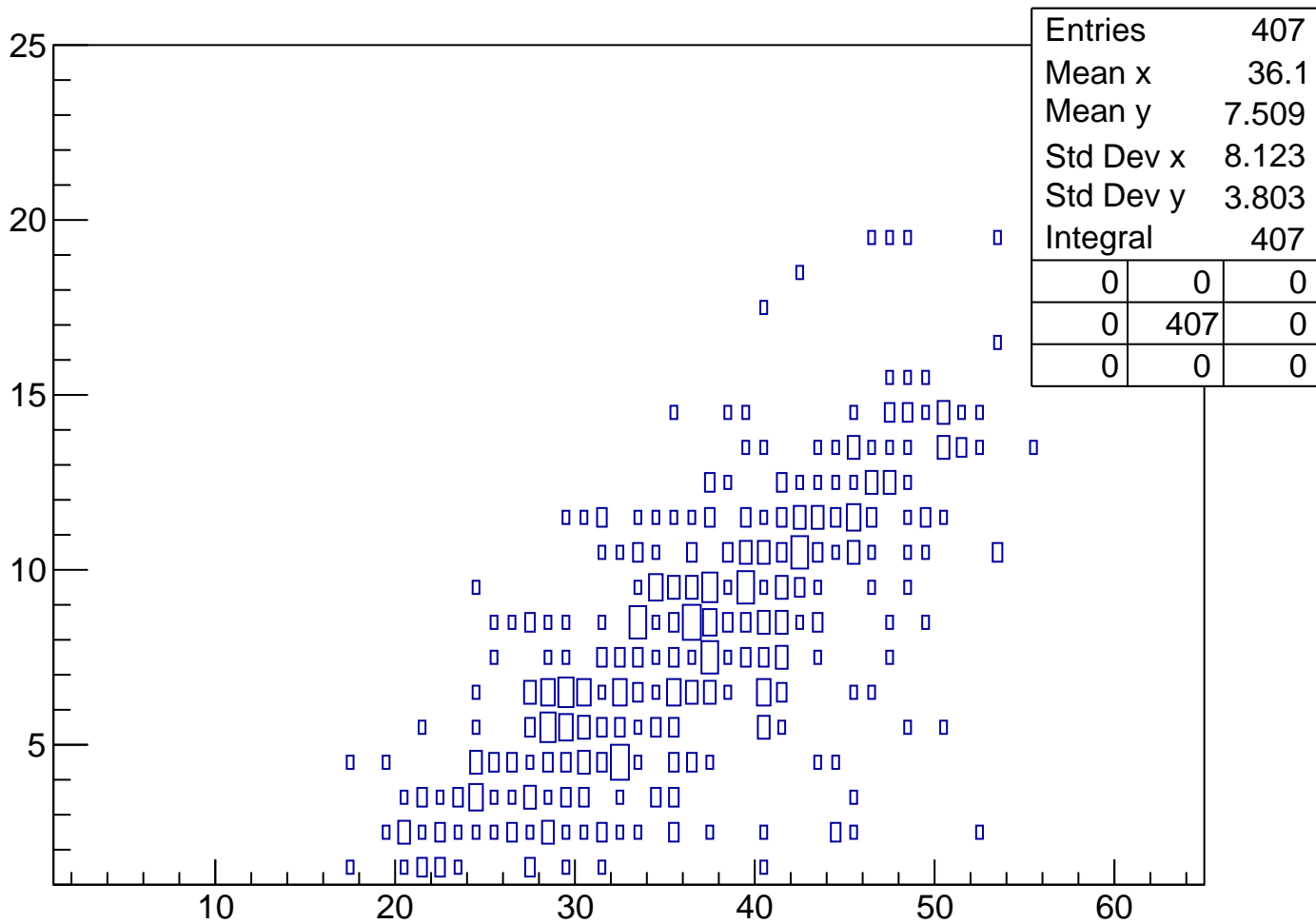




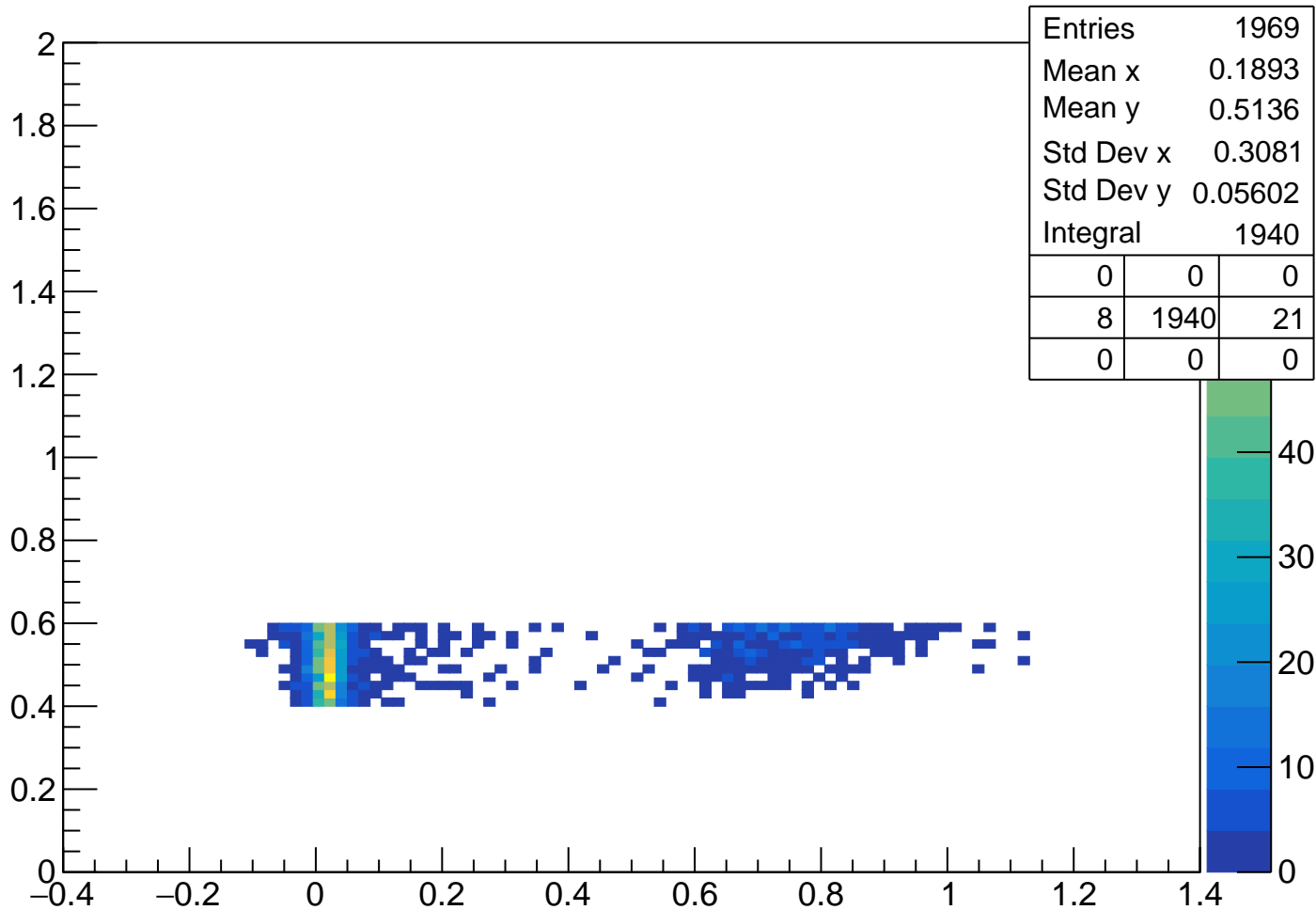
tofsegKurama[0] vs vpseg[1] Cut3  $0.2 < p_{\text{Kurama}[0]} < 0.4$



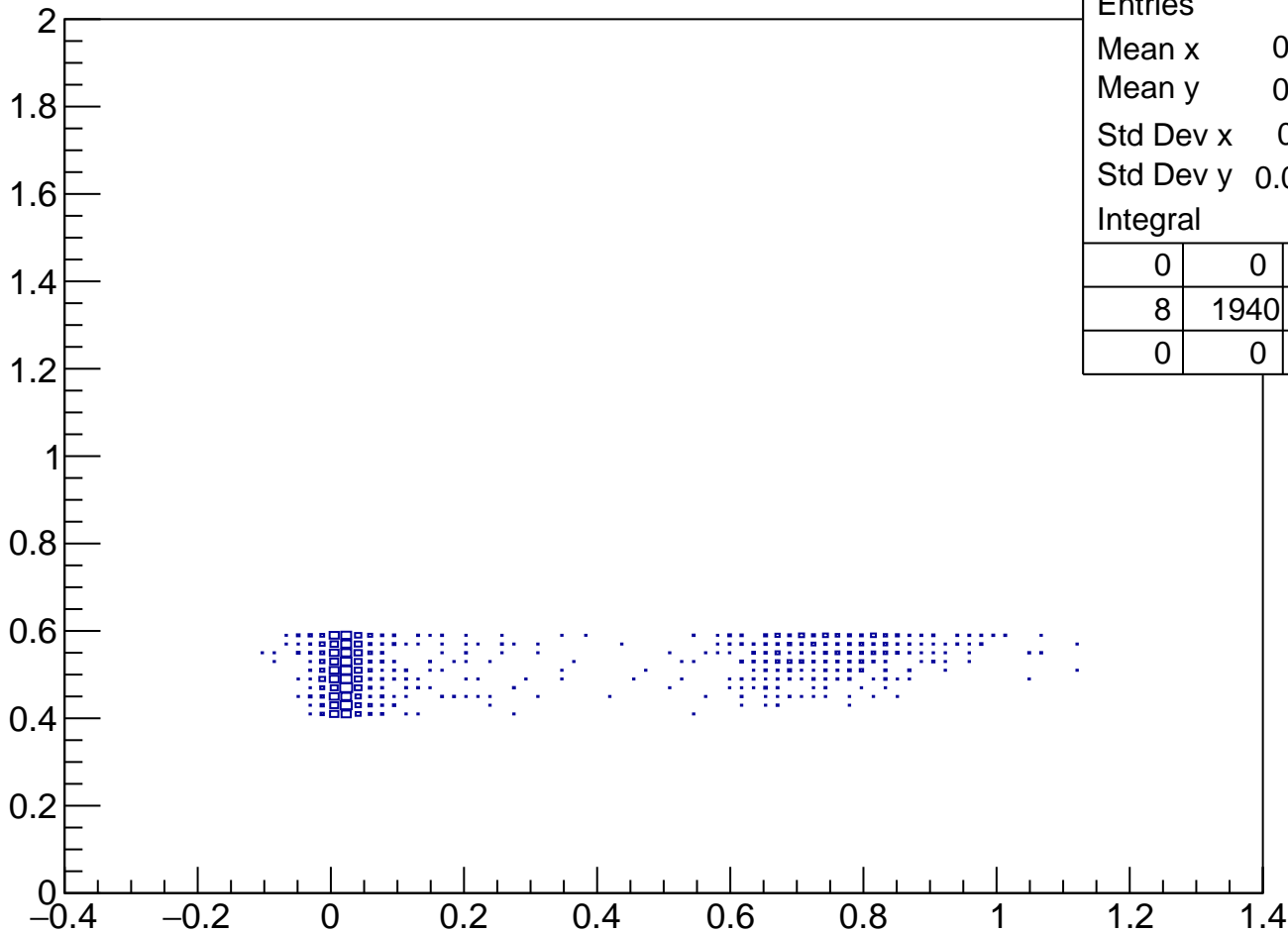
tofsegKurama[0] vs vpseg[1] Cut3 0.2<pKurama[0]<0.4



# pKurama vs m2 Cut3 $0.4 < \text{pKurama}[0] < 0.6$

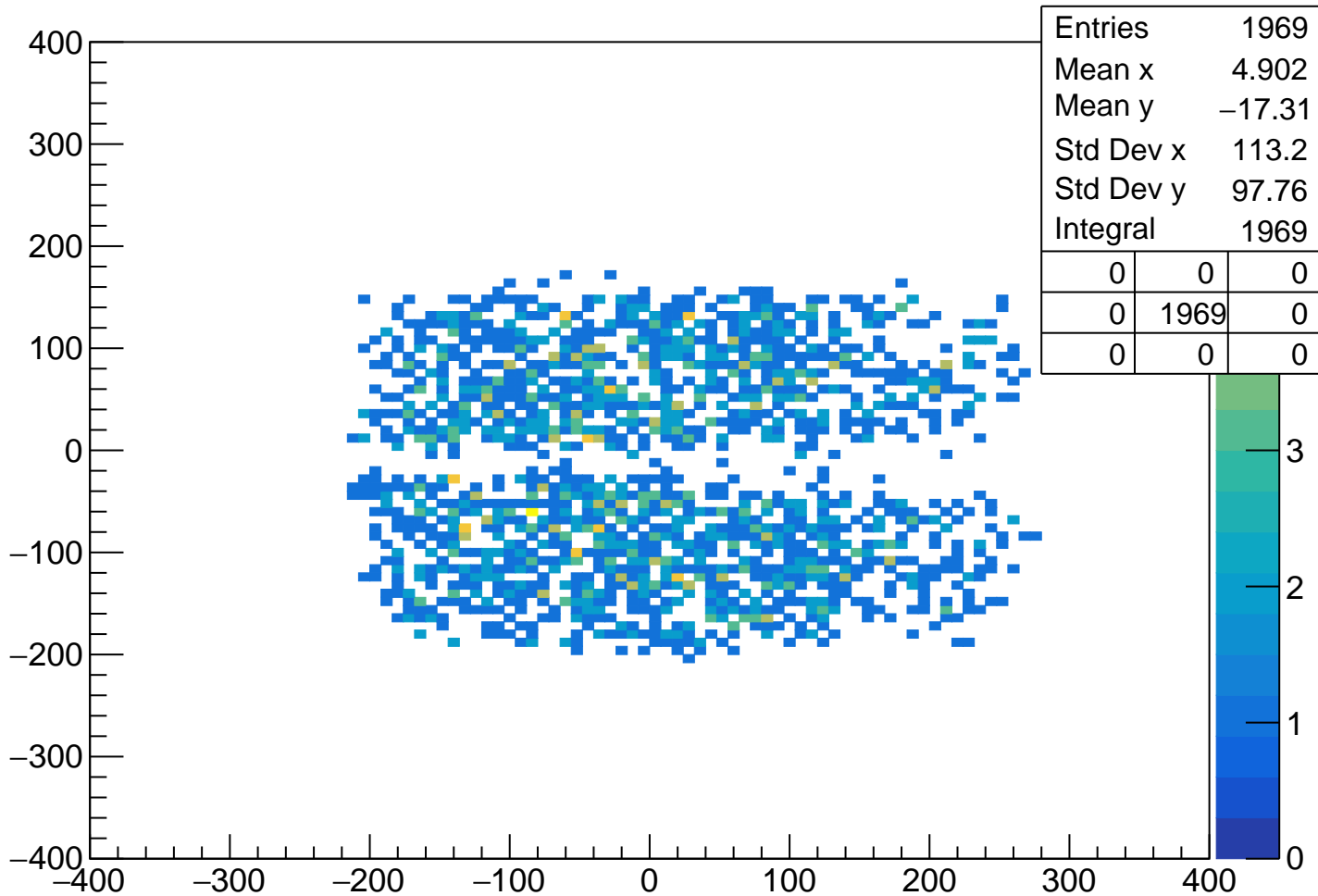


# pKurama vs m2 Cut3 $0.4 < \text{pKurama}[0] < 0.6$

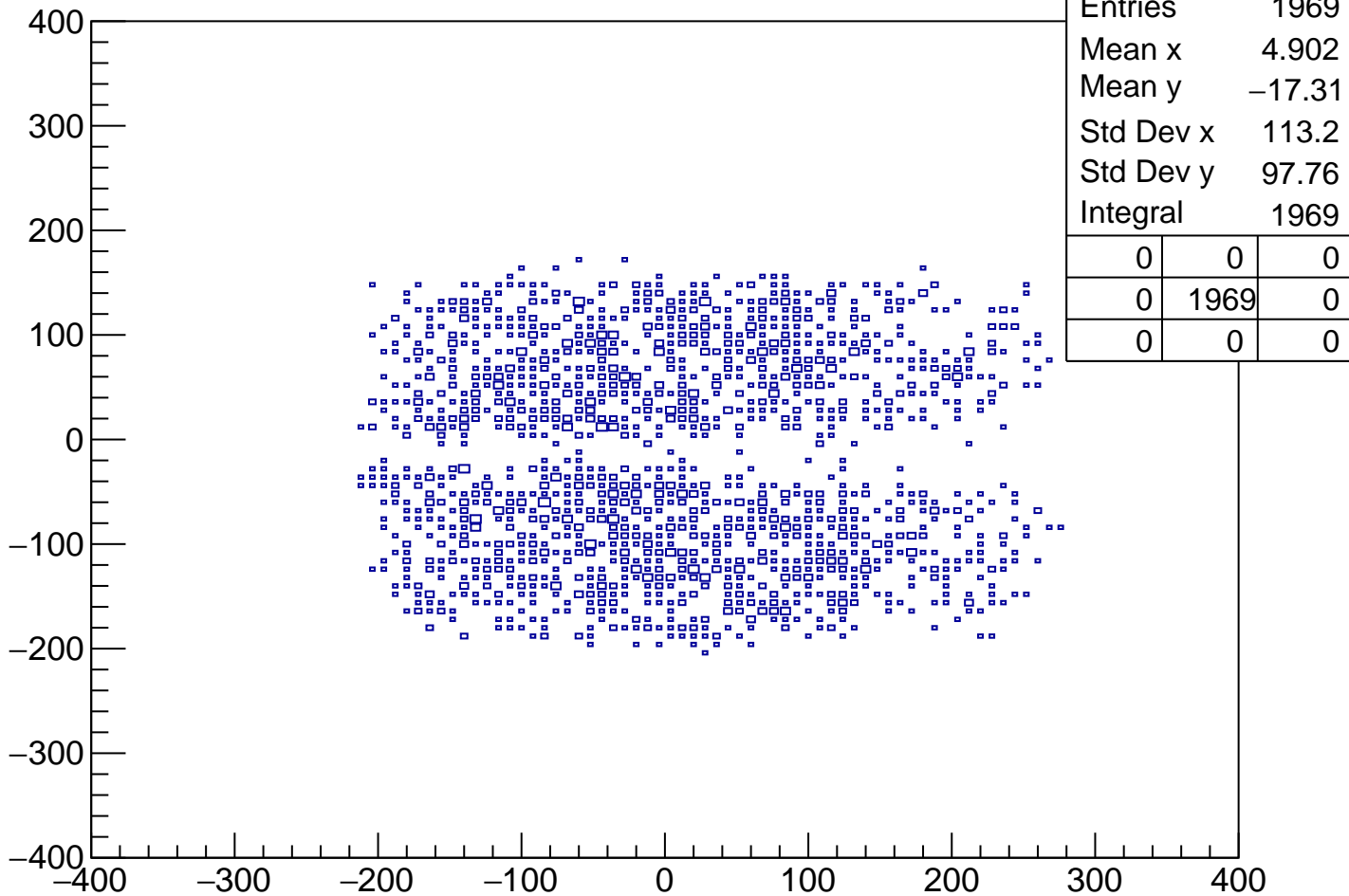


Entries		1969
Mean x		0.1893
Mean y		0.5136
Std Dev x		0.3081
Std Dev y		0.05602
Integral		1940
0	0	0
8	1940	21
0	0	0

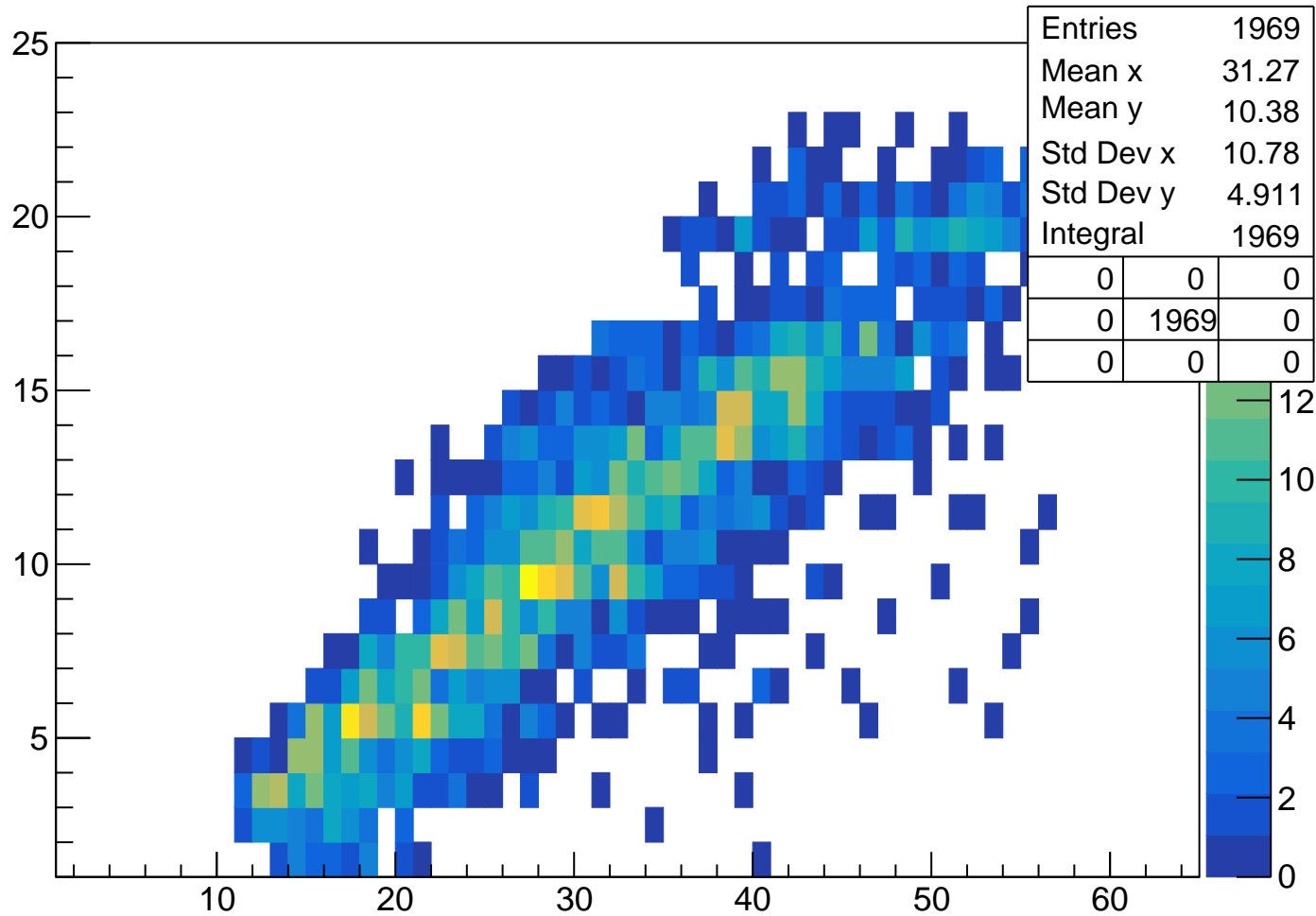
vpy[1] vs vpx[1]      Cut3 0.4<pKurama[0]<0.6



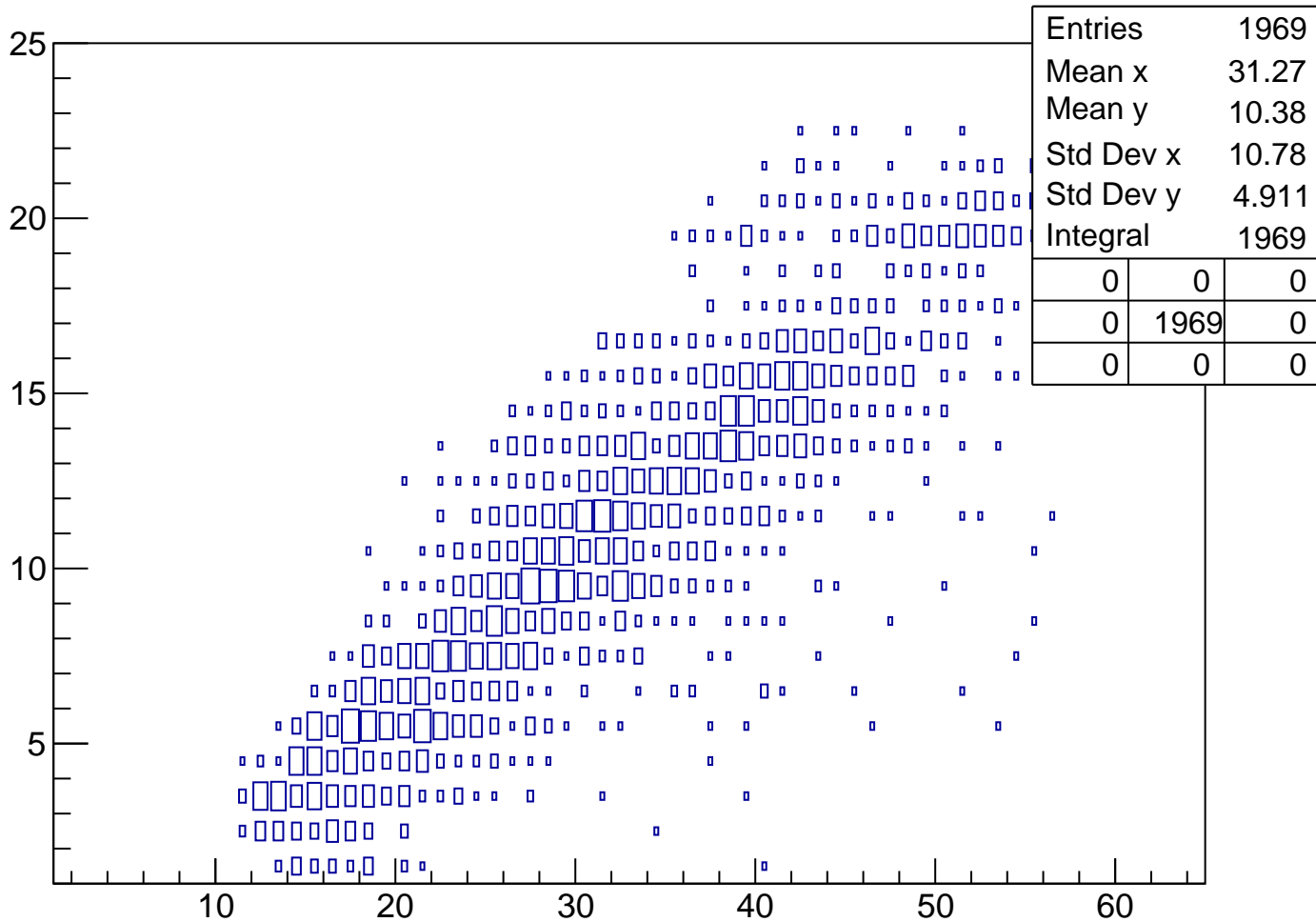
vpy[1] vs vpx[1]      Cut3 0.4<pKurama[0]<0.6



TofSeg[0] vs vpseg[1] Cut3 0.4<pKurama[0]<0.6

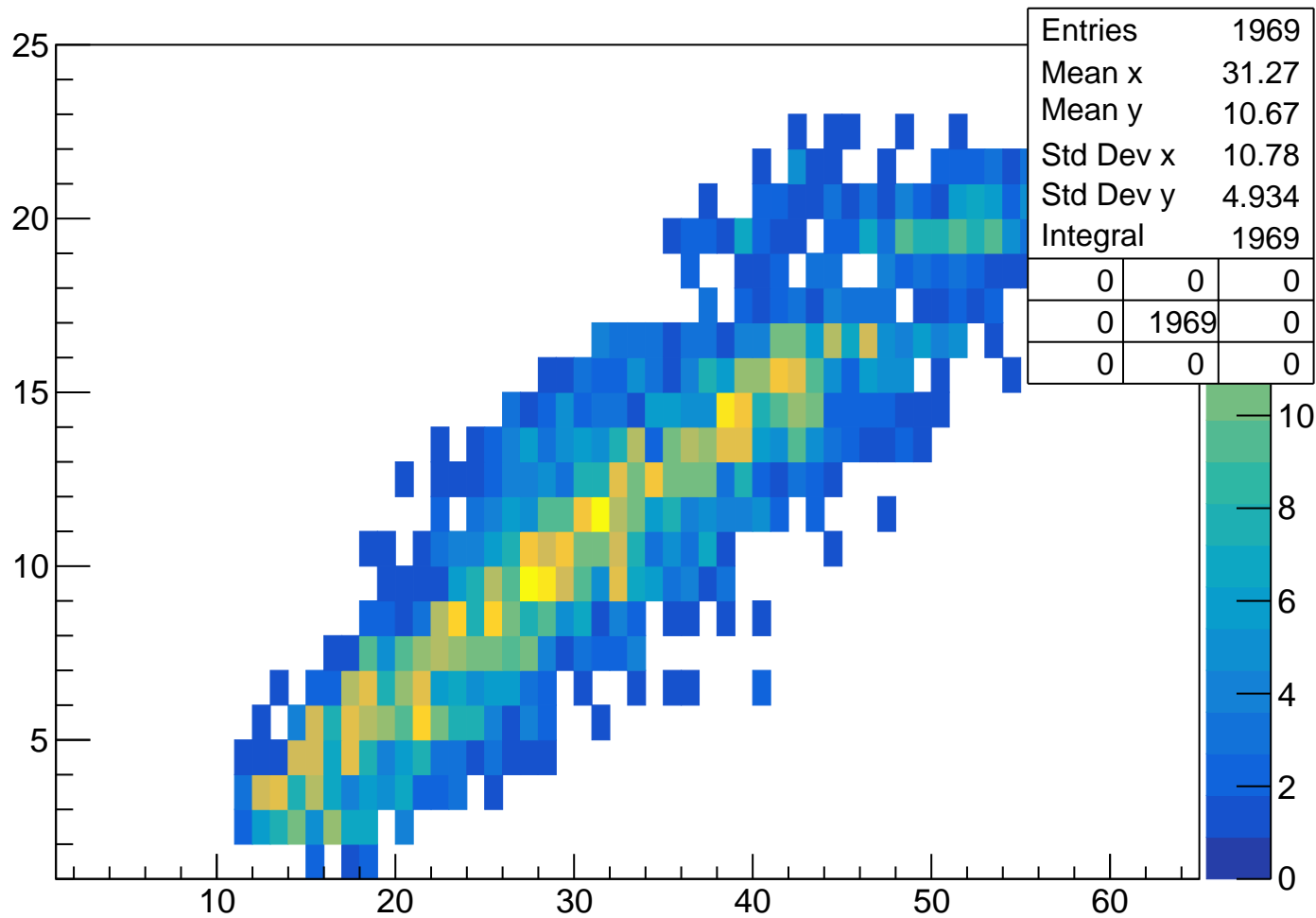


TofSeg[0] vs vpseg[1] Cut3 0.4<pKurama[0]<0.6

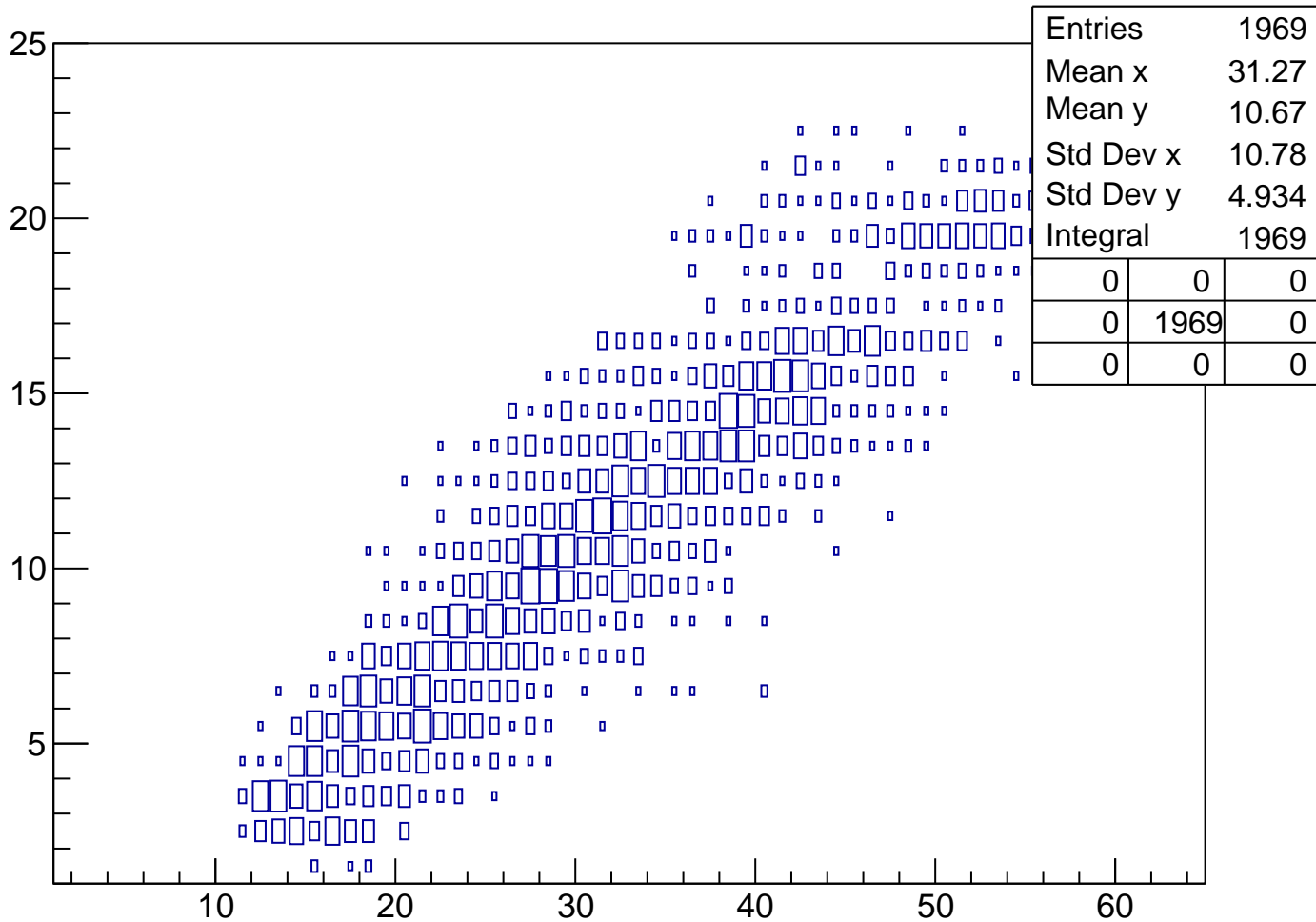




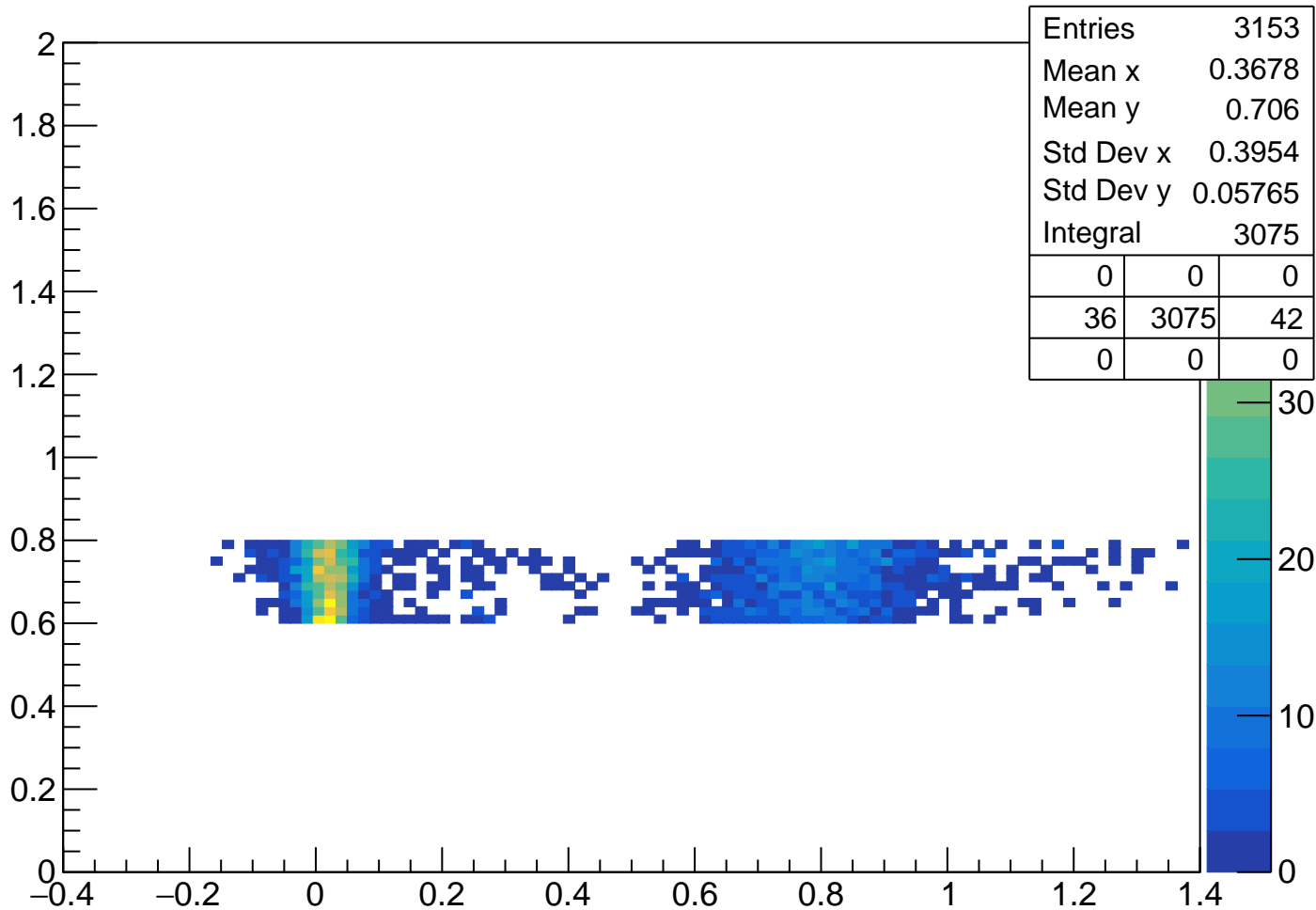
tofsegKurama[0] vs vpseg[1] Cut3  $0.4 < p_{\text{Kurama}[0]} < 0.6$



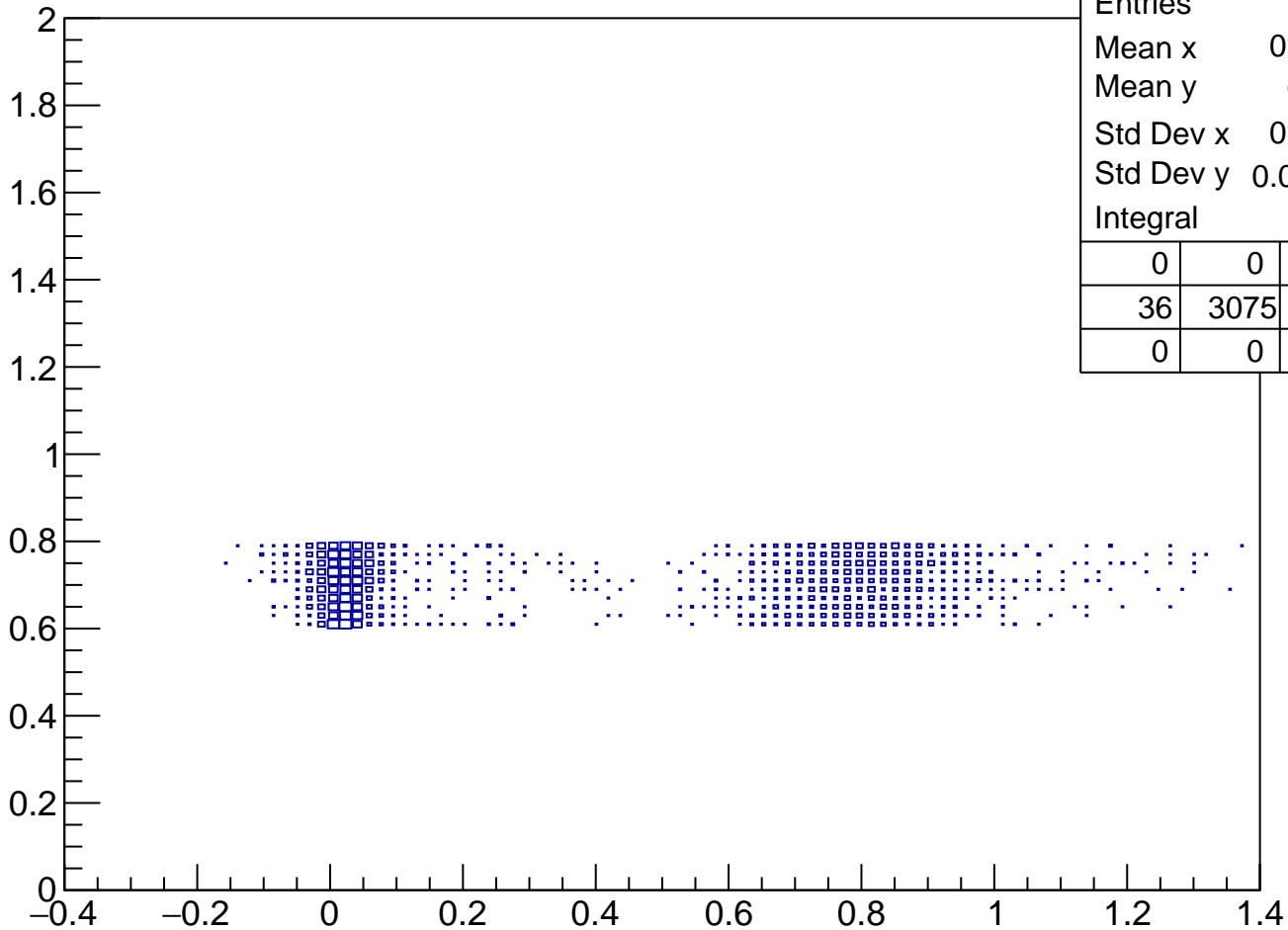
tofsegKurama[0] vs vpseg[1] Cut3 0.4<pKurama[0]<0.6



pKurama vs m2 Cut3  $0.6 < \text{pKurama}[0] < 0.8$

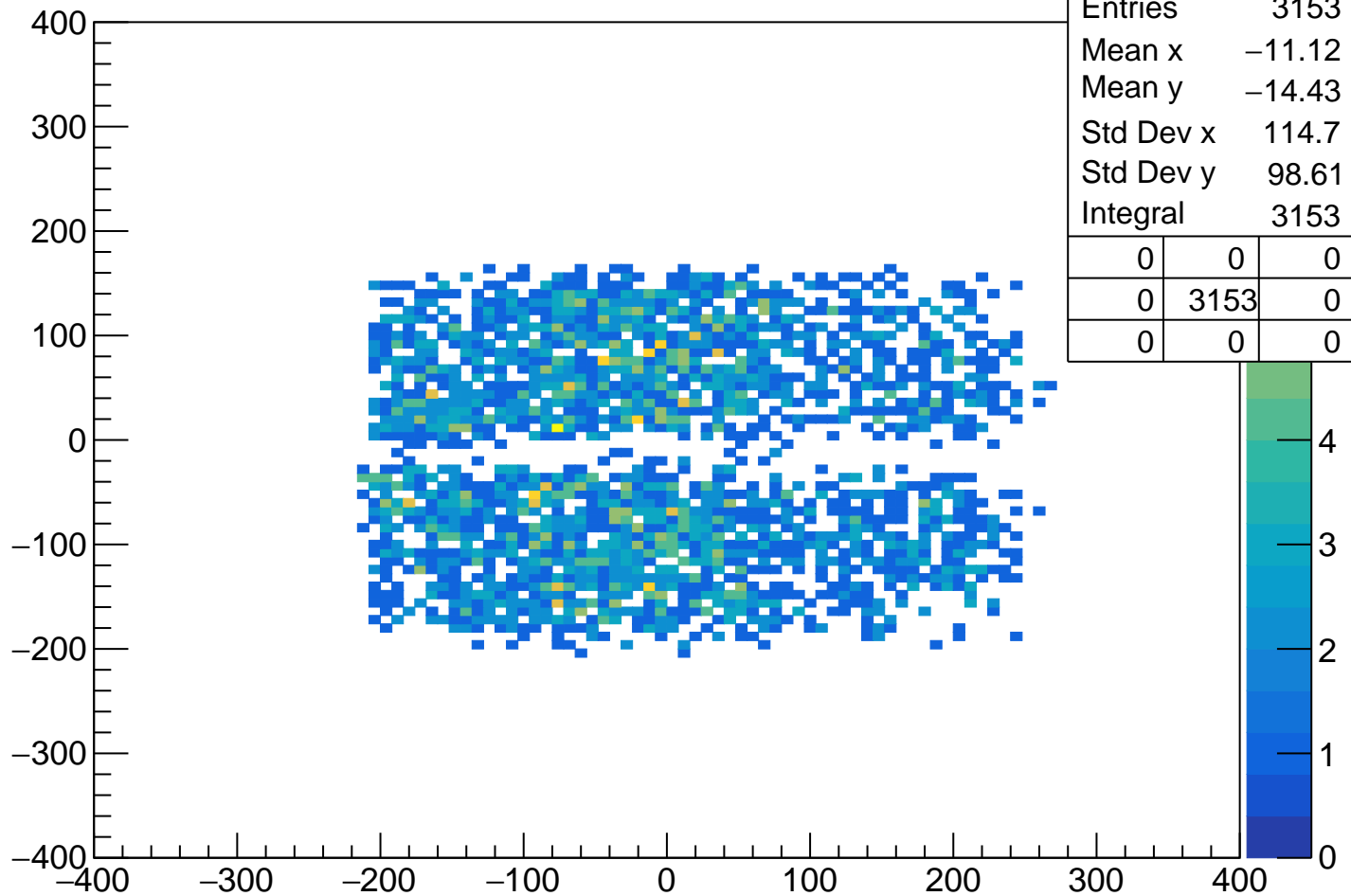


# pKurama vs m2 Cut3 $0.6 < \text{pKurama}[0] < 0.8$

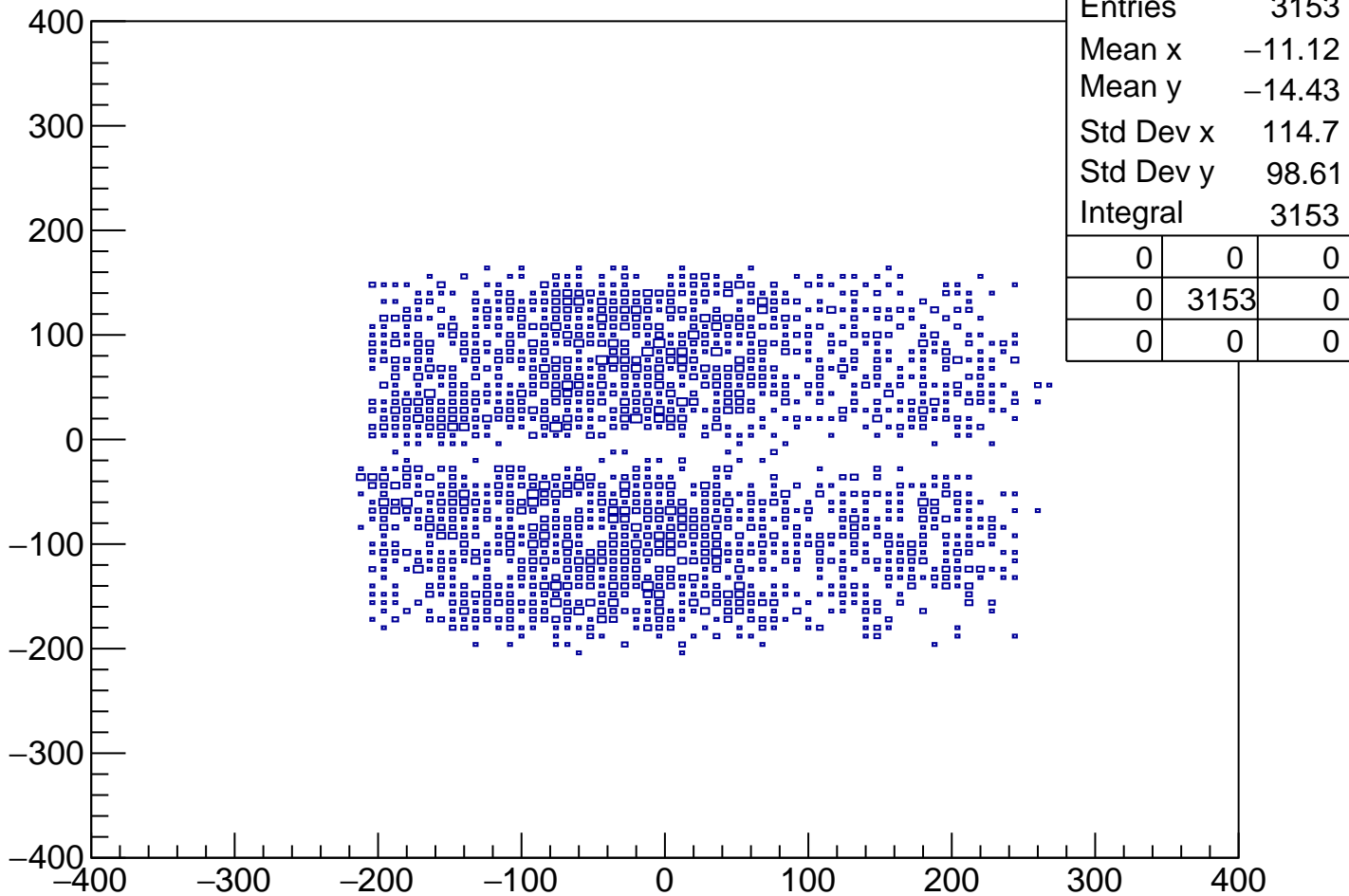


Entries	3153		
Mean x	0.3678		
Mean y	0.706		
Std Dev x	0.3954		
Std Dev y	0.05765		
Integral	3075		
	0	0	0
	36	3075	42
	0	0	0

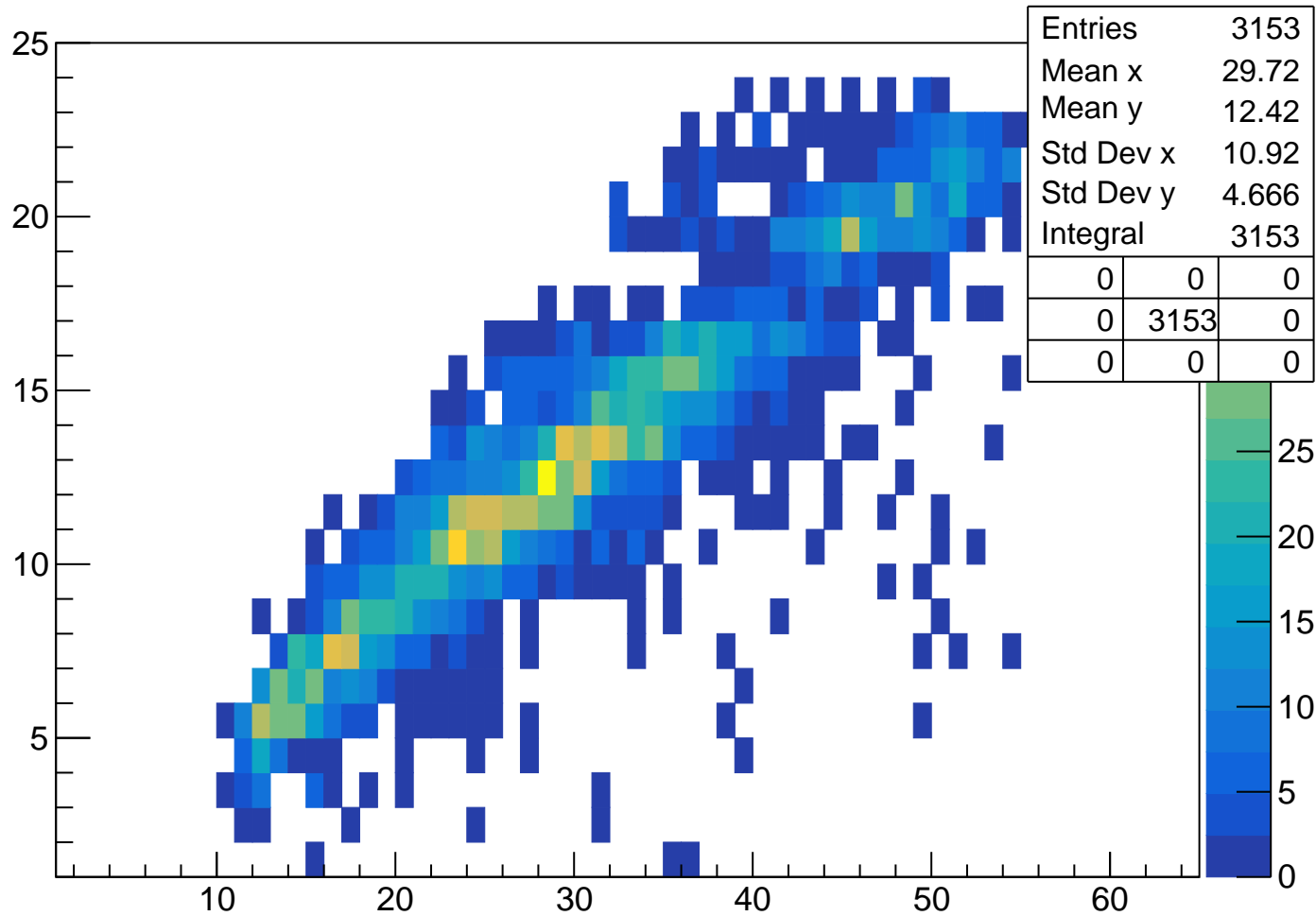
vpy[1] vs vpx[1]      Cut3 0.6<pKurama[0]<0.8



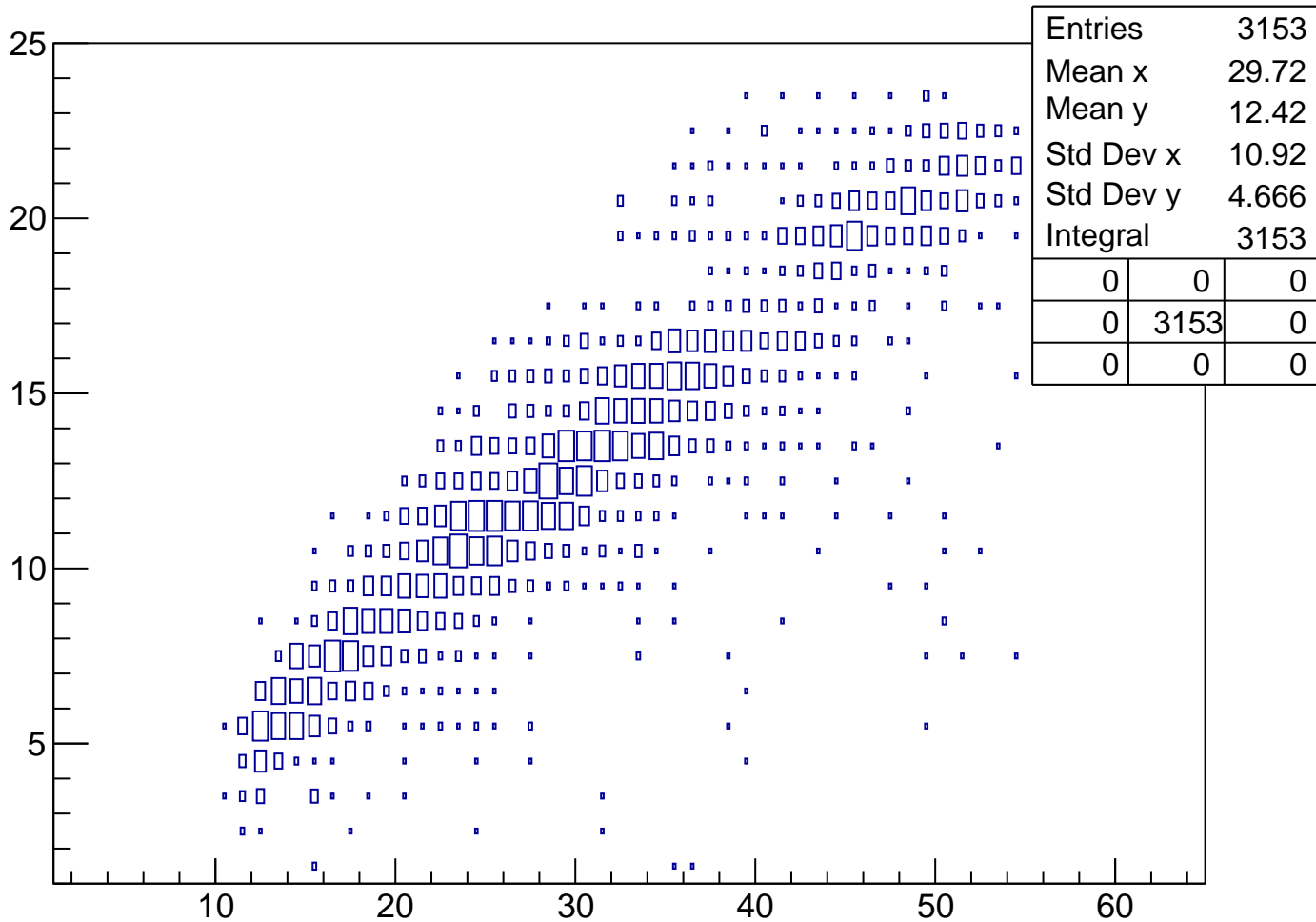
vpy[1] vs vpx[1]      Cut3 0.6<pKurama[0]<0.8



TofSeg[0] vs vpseg[1] Cut3 0.6<pKurama[0]<0.8

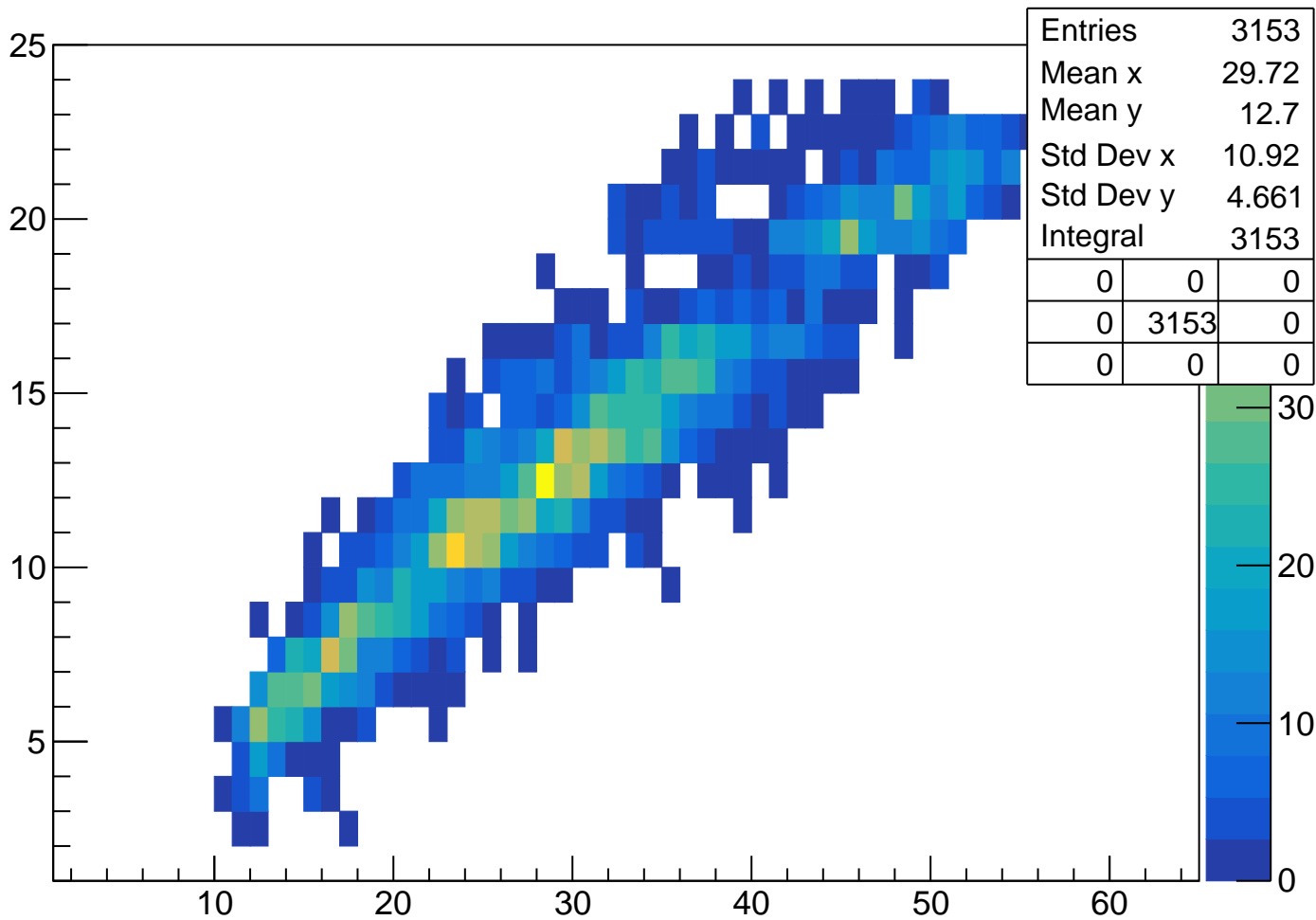


TofSeg[0] vs vpseg[1] Cut3 0.6<pKurama[0]<0.8

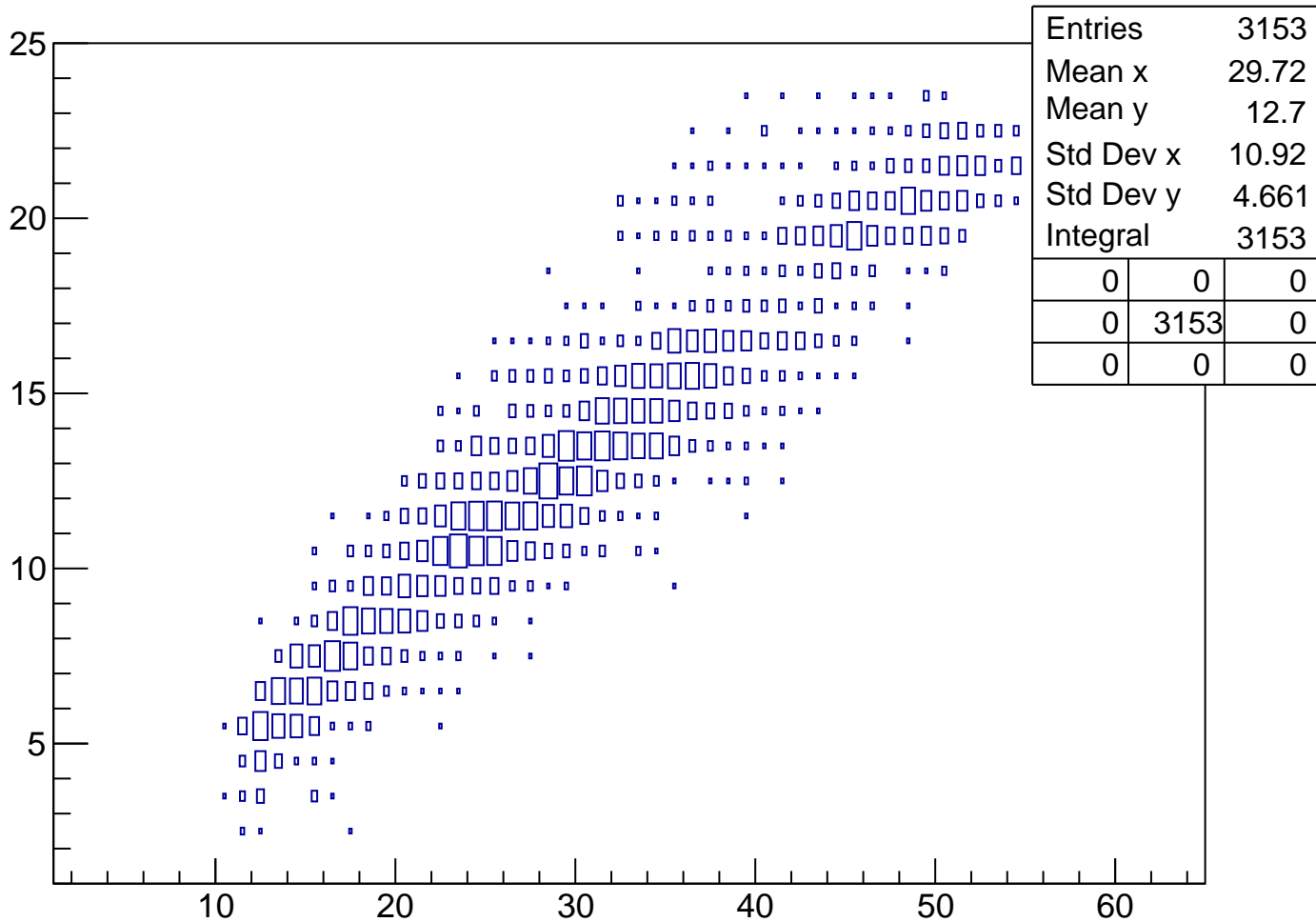




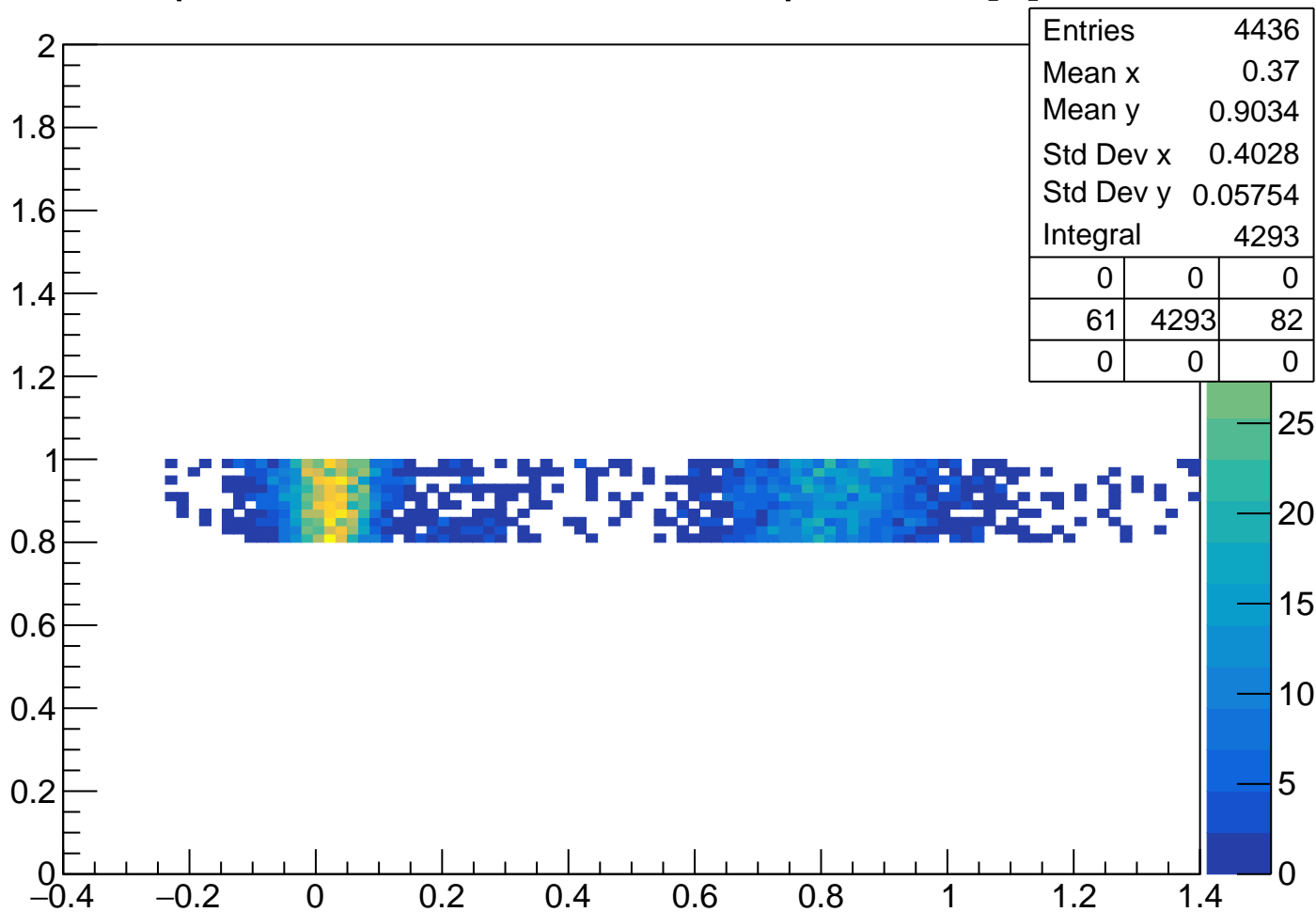
tofsegKurama[0] vs vpseg[1] Cut3 0.6<pKurama[0]<0.8



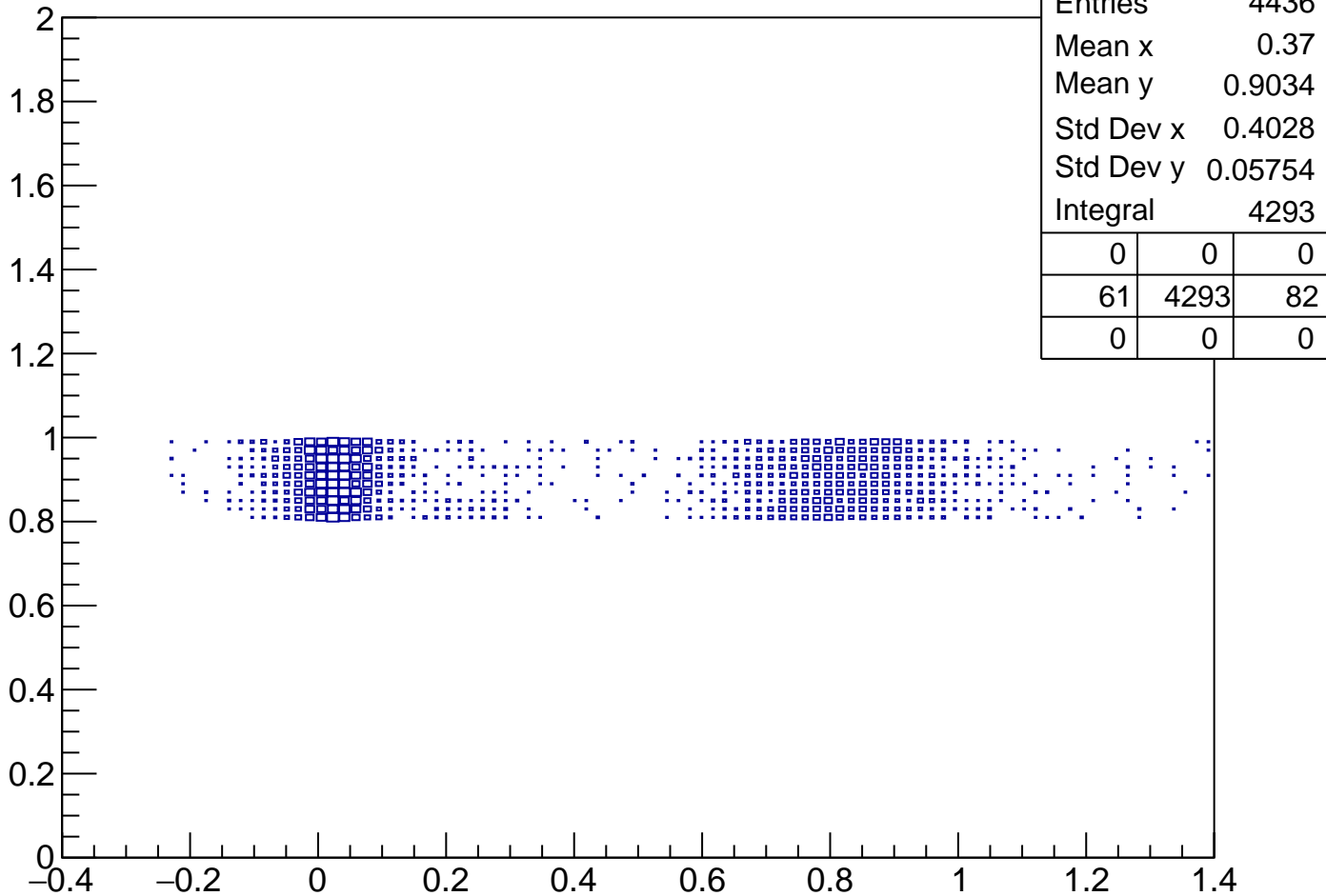
tofsegKurama[0] vs vpseg[1] Cut3  $0.6 < p_{\text{Kurama}[0]} < 0.8$



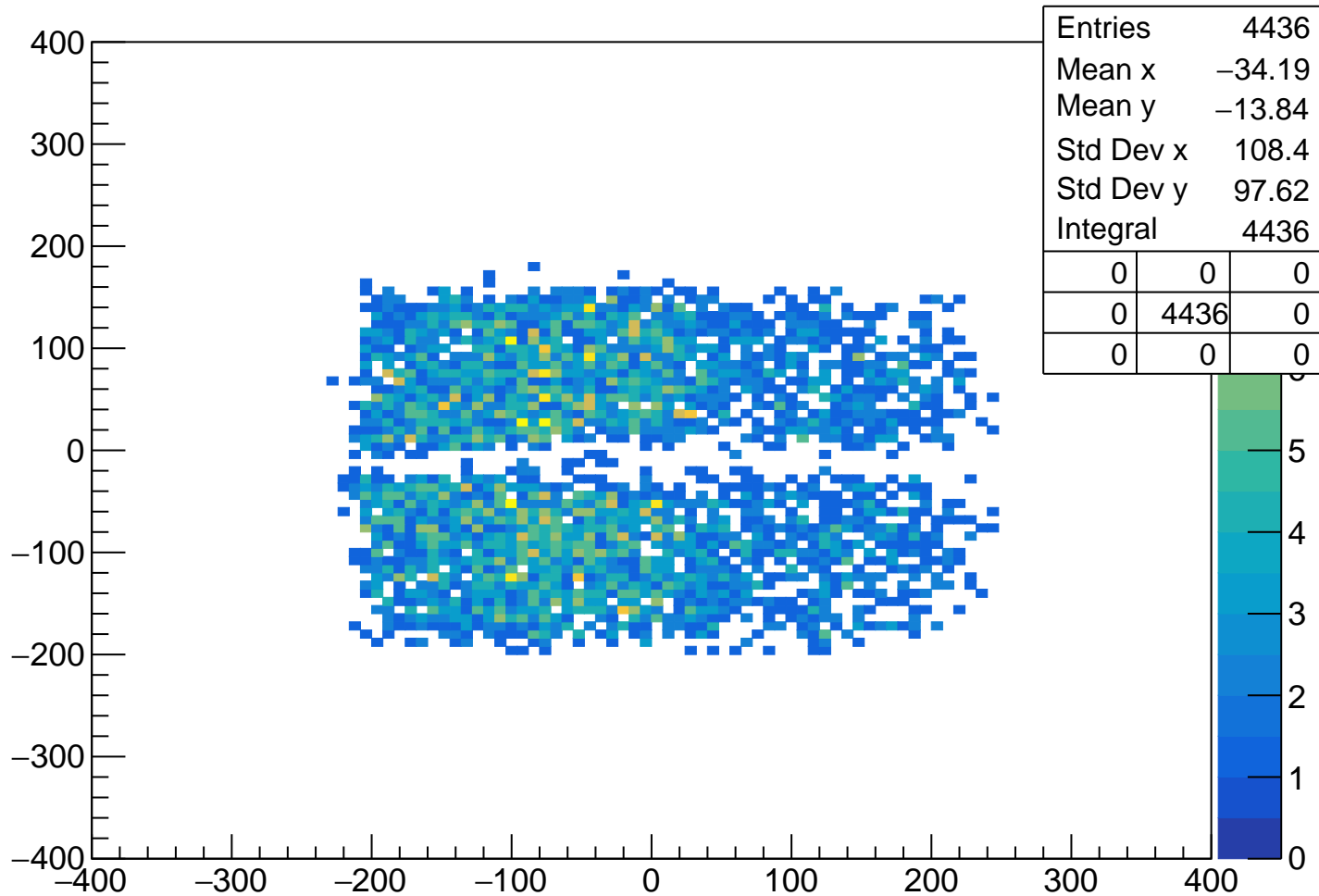
# pKurama vs m2 Cut3 $0.8 < p_{Kurama}[0] < 1$



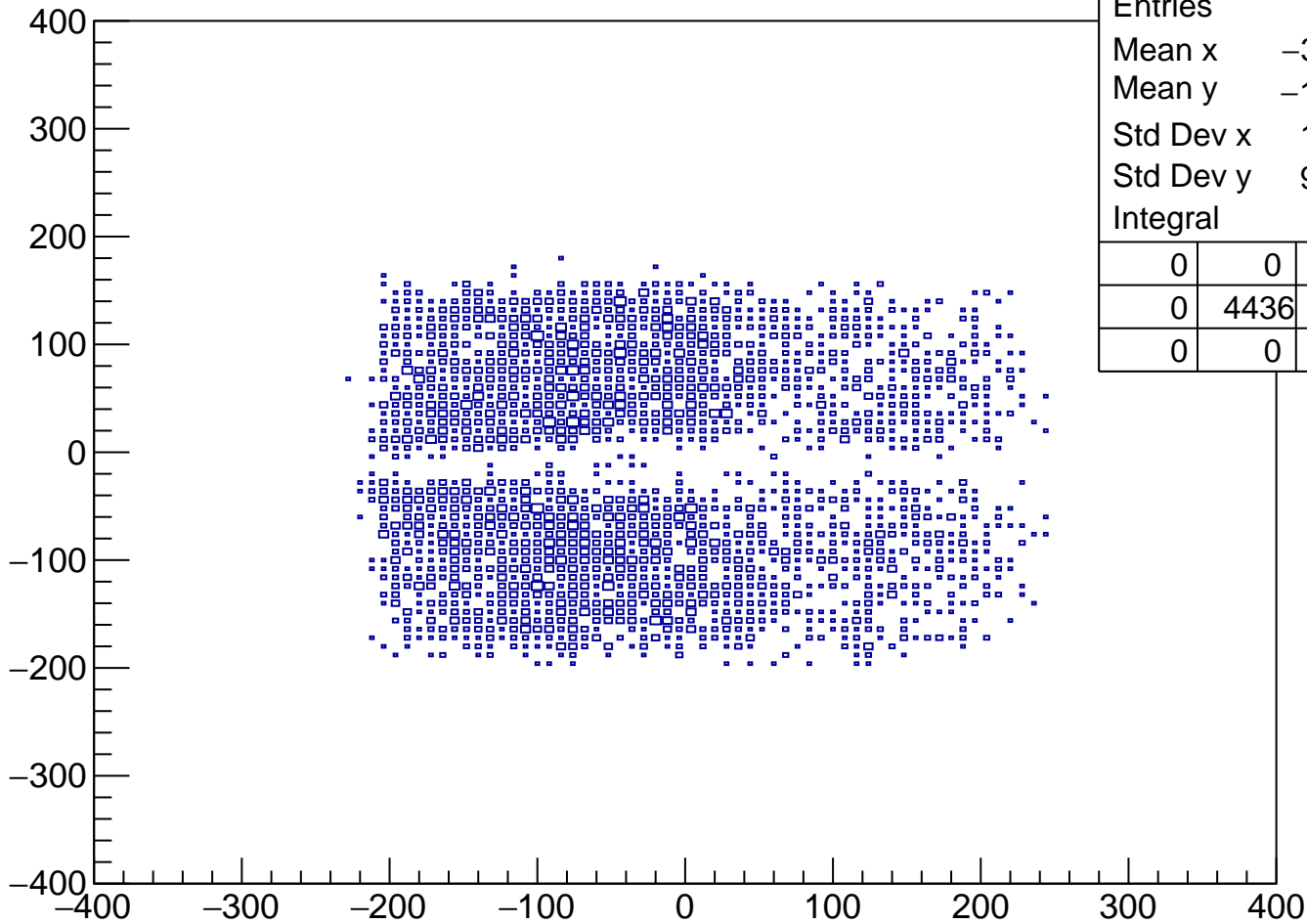
# pKurama vs m2 Cut3 0.8<pKurama[0]<1



vpy[1] vs vpx[1]      Cut3 0.8<pKurama[0]<1

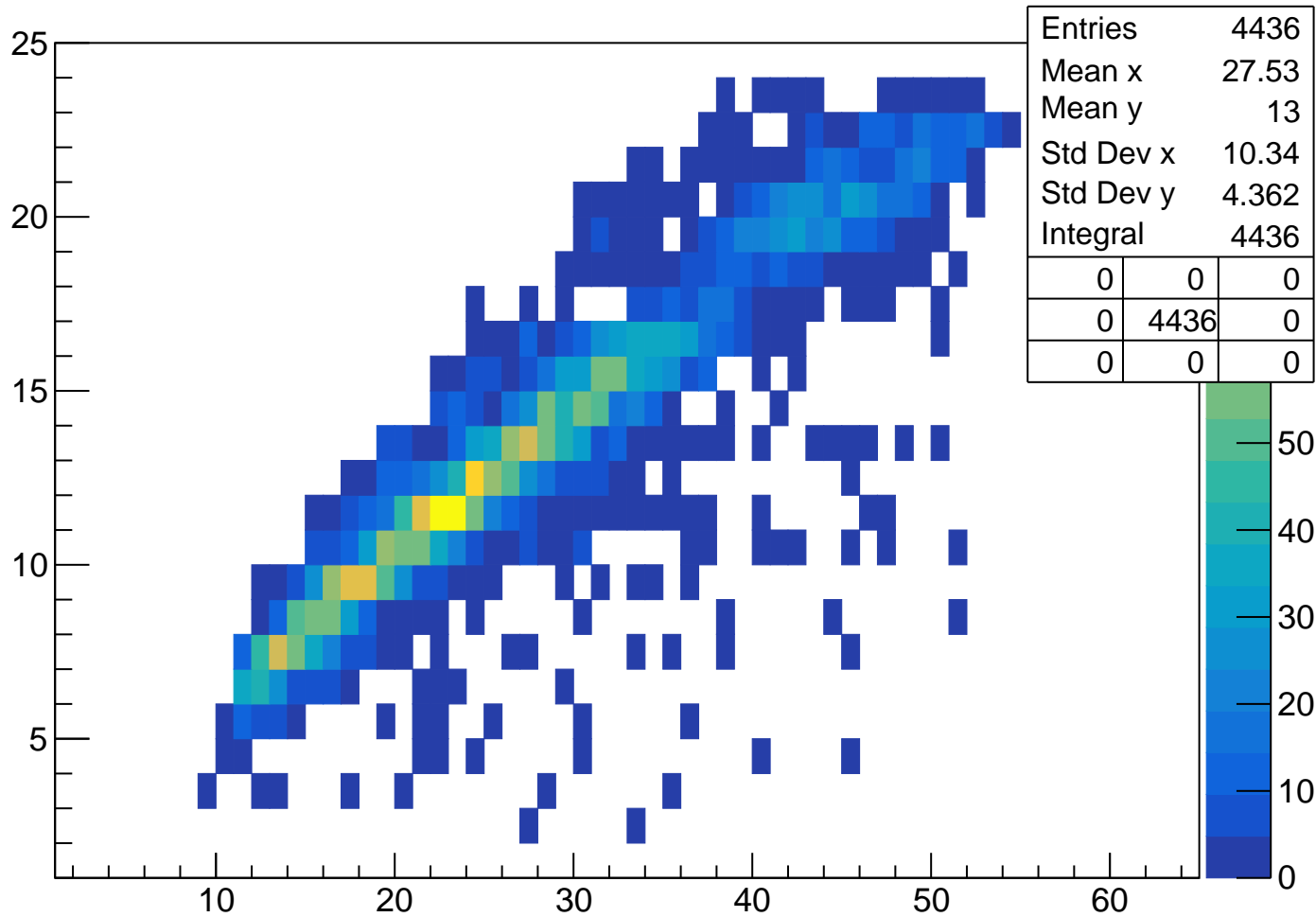


# vpy[1] vs vpx[1]      Cut3 0.8<pKurama[0]<1

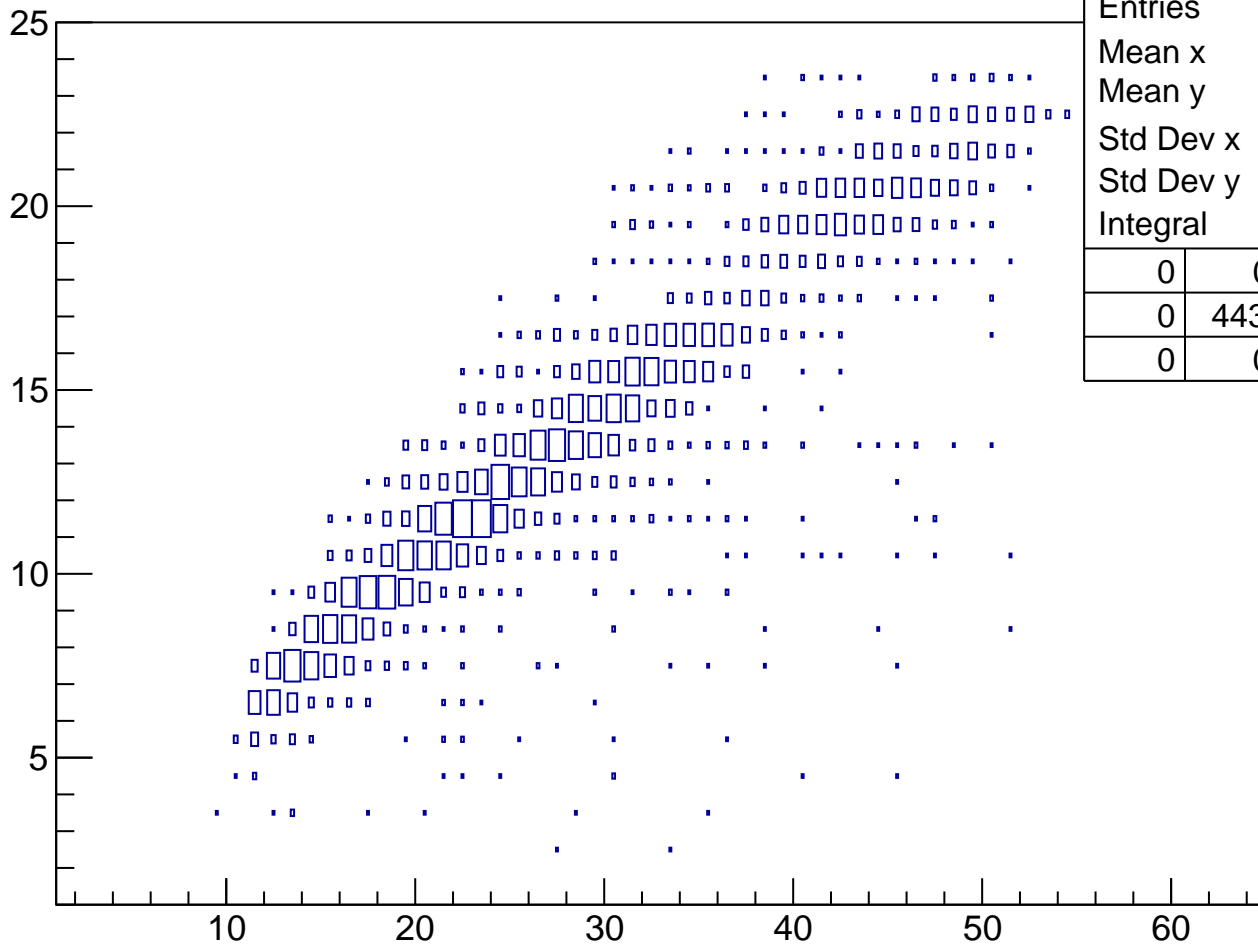


Entries	4436		
Mean x	-34.19		
Mean y	-13.84		
Std Dev x	108.4		
Std Dev y	97.62		
Integral	4436		
	0	0	0
	0	4436	0
	0	0	0

TofSeg[0] vs vpseg[1] Cut3 0.8<pKurama[0]<1



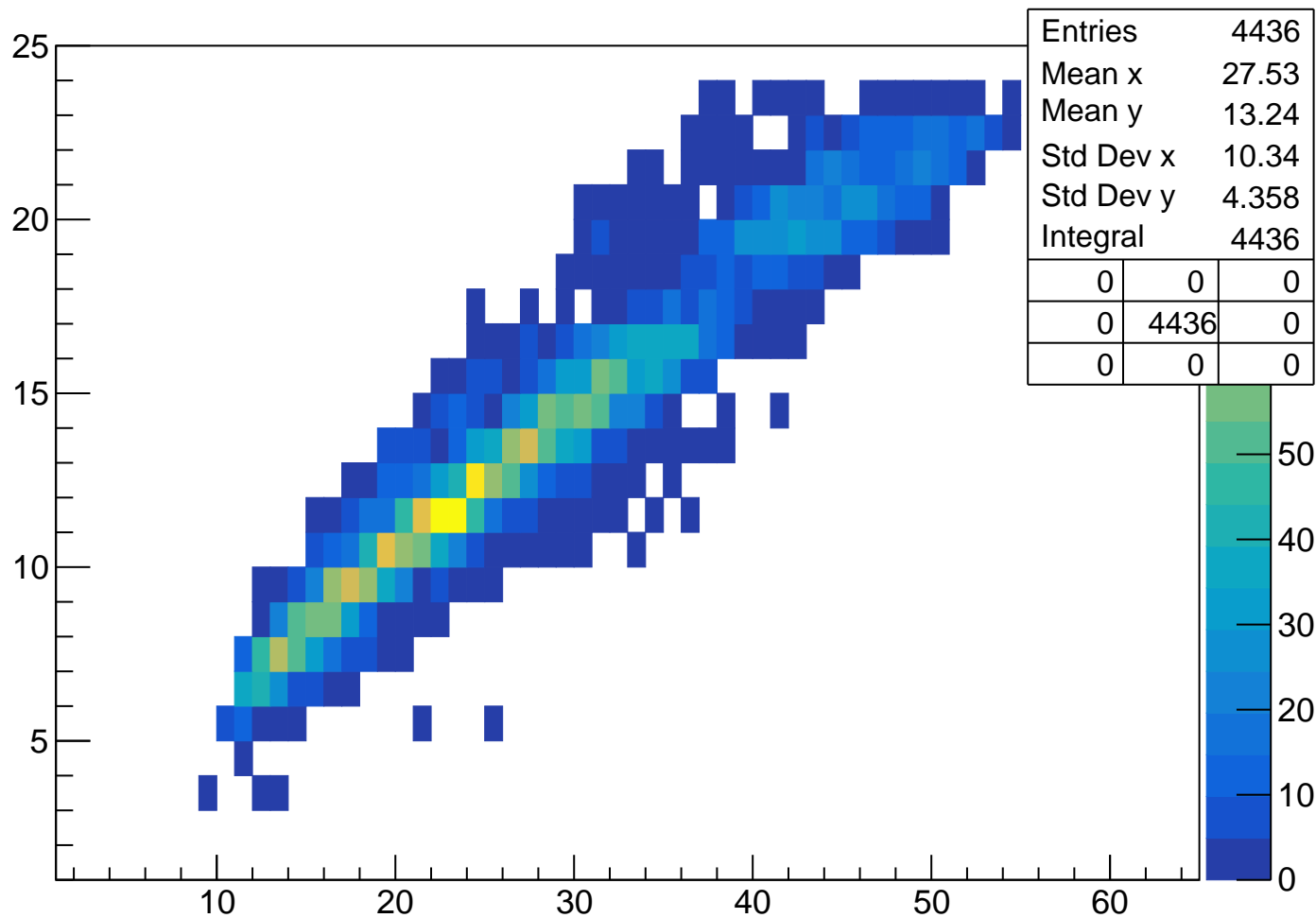
TofSeg[0] vs vpseg[1] Cut3 0.8<pKurama[0]<1



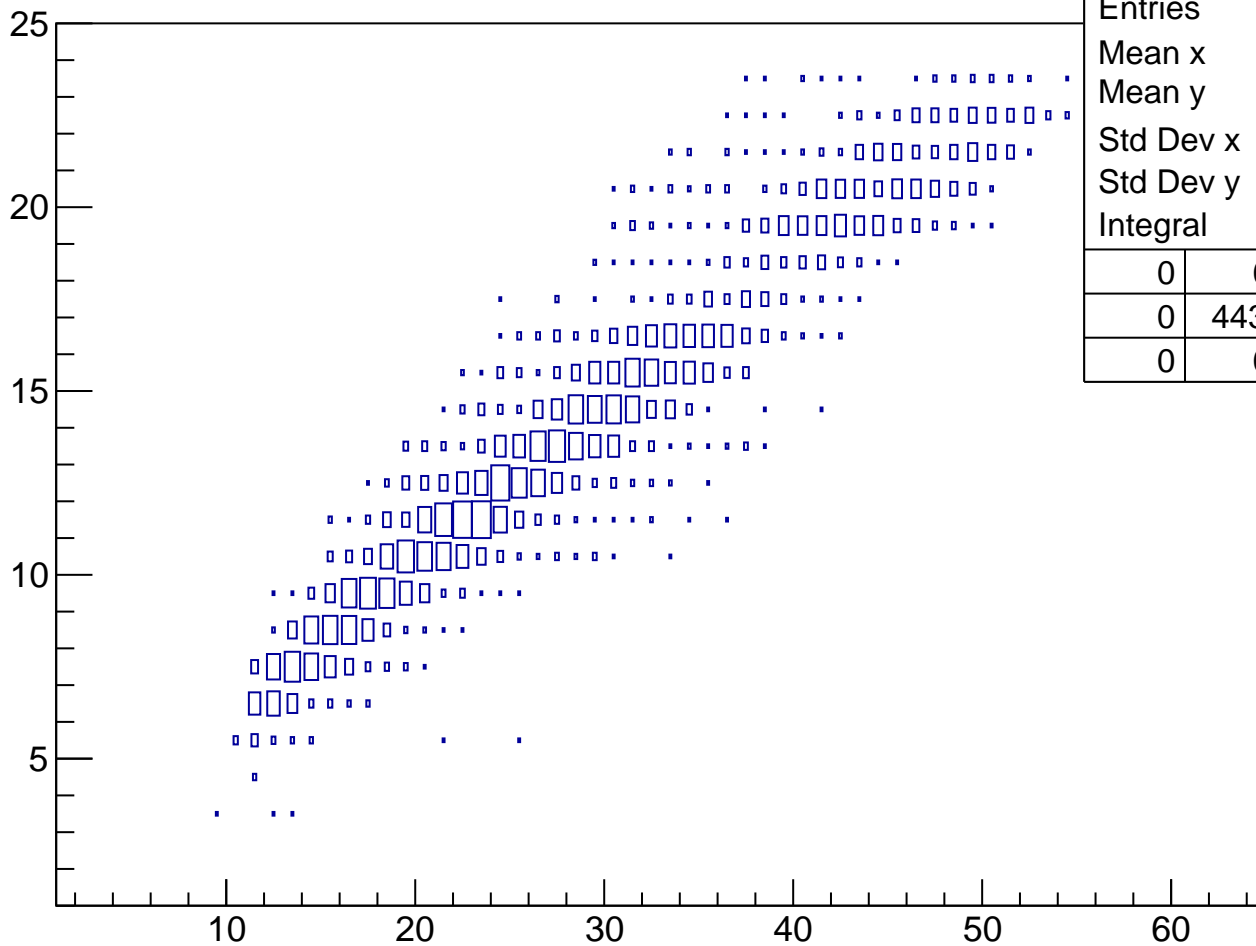
Entries	4436	
Mean x	27.53	
Mean y	13	
Std Dev x	10.34	
Std Dev y	4.362	
Integral	4436	
	0	0
	0	4436
	0	0



tofsegKurama[0] vs vpseg[1] Cut3 0.8<pKurama[0]<1

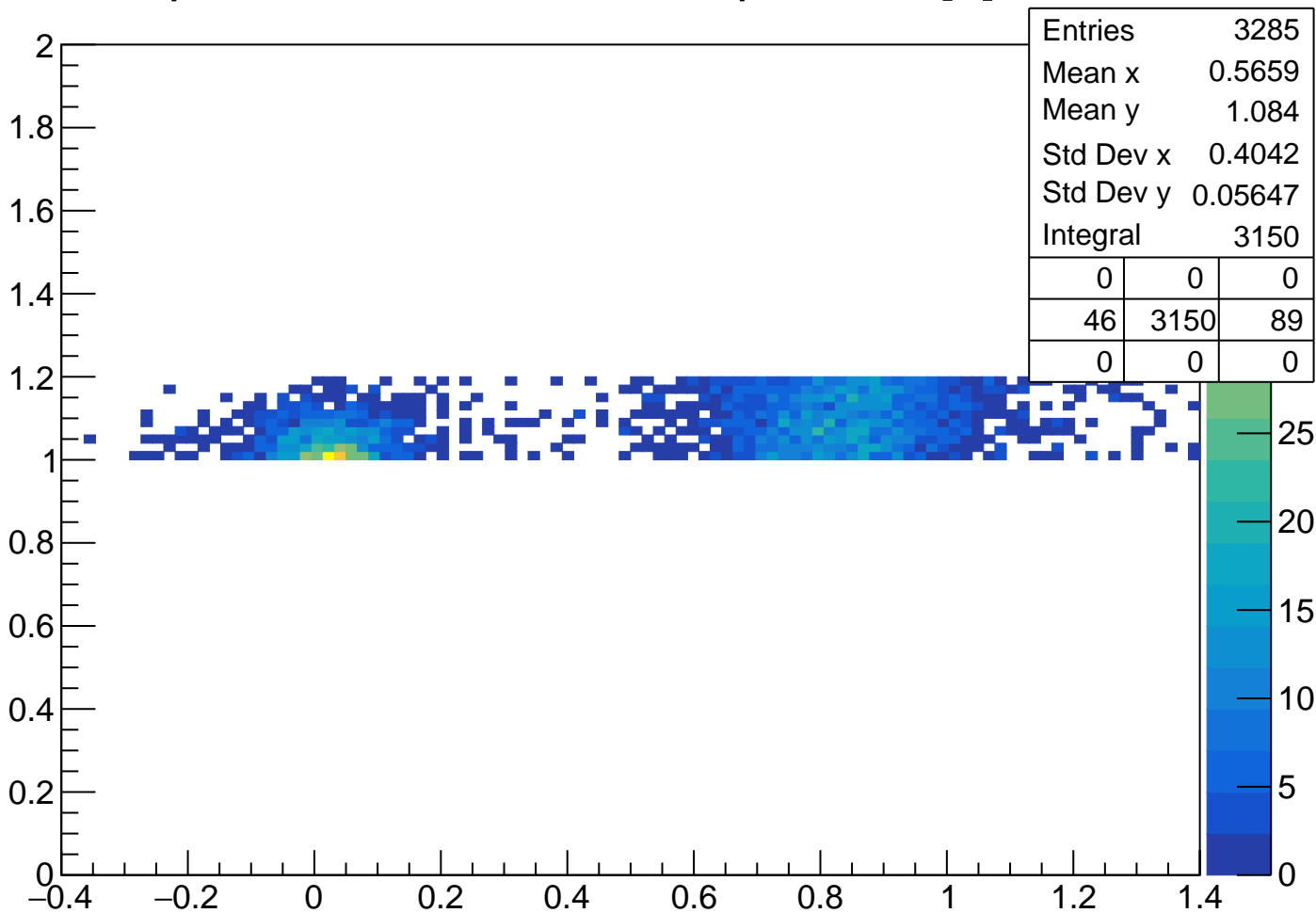


tofsegKurama[0] vs vpseg[1] Cut3 0.8<pKurama[0]<1

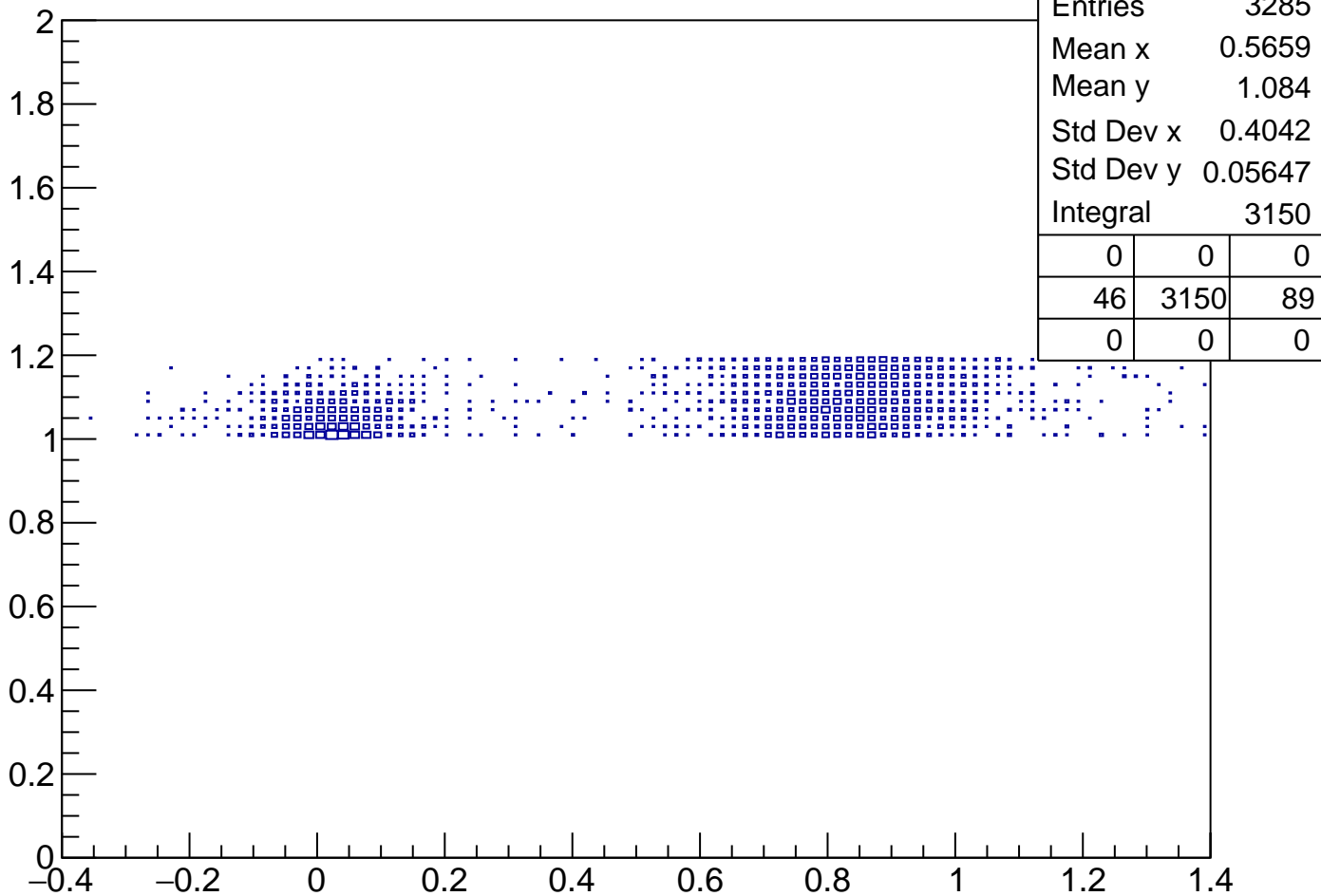


Entries	4436	
Mean x	27.53	
Mean y	13.24	
Std Dev x	10.34	
Std Dev y	4.358	
Integral	4436	
	0	0
	0	4436
	0	0

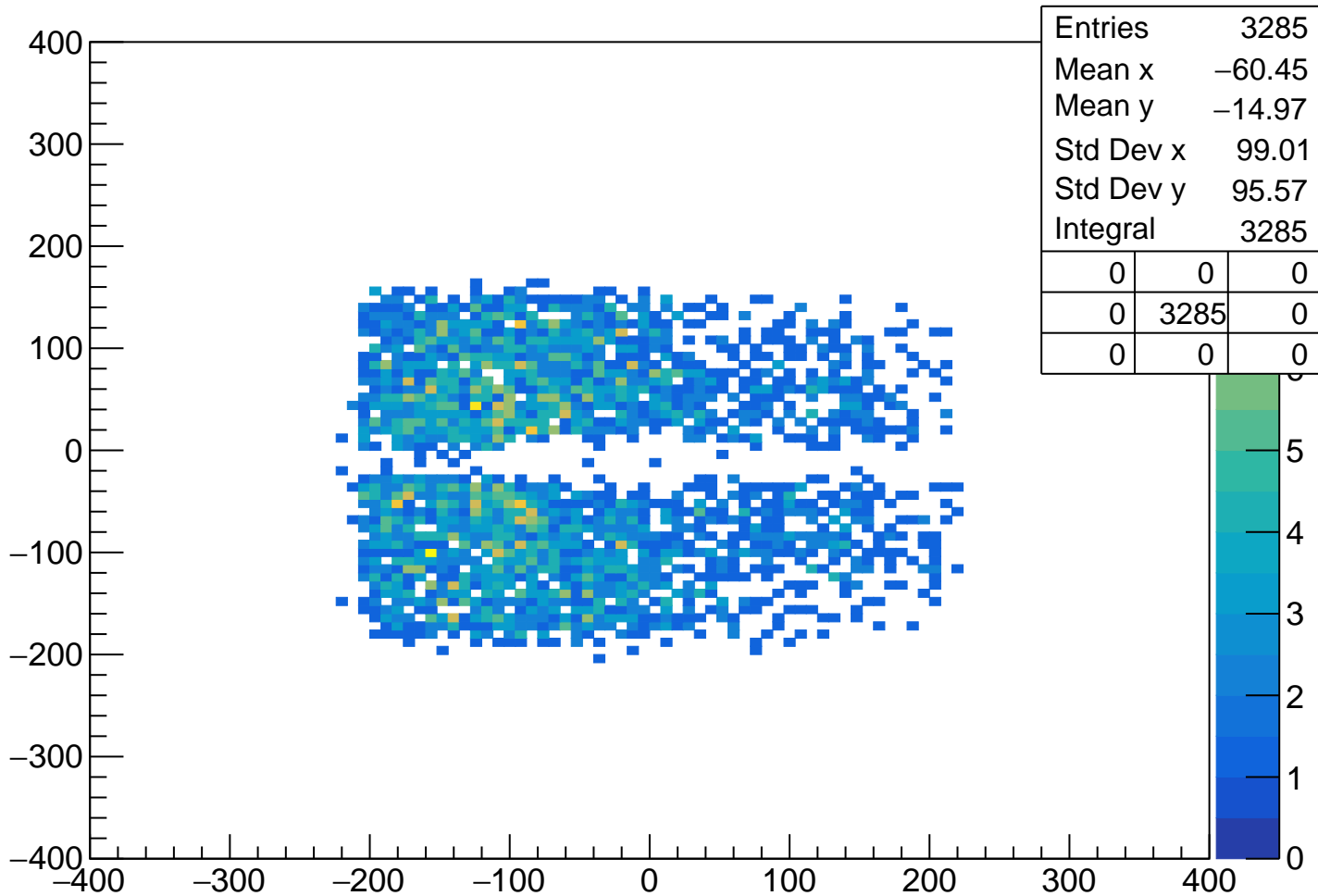
# pKurama vs m2 Cut3 $1 < \text{pKurama}[0] < 1.2$



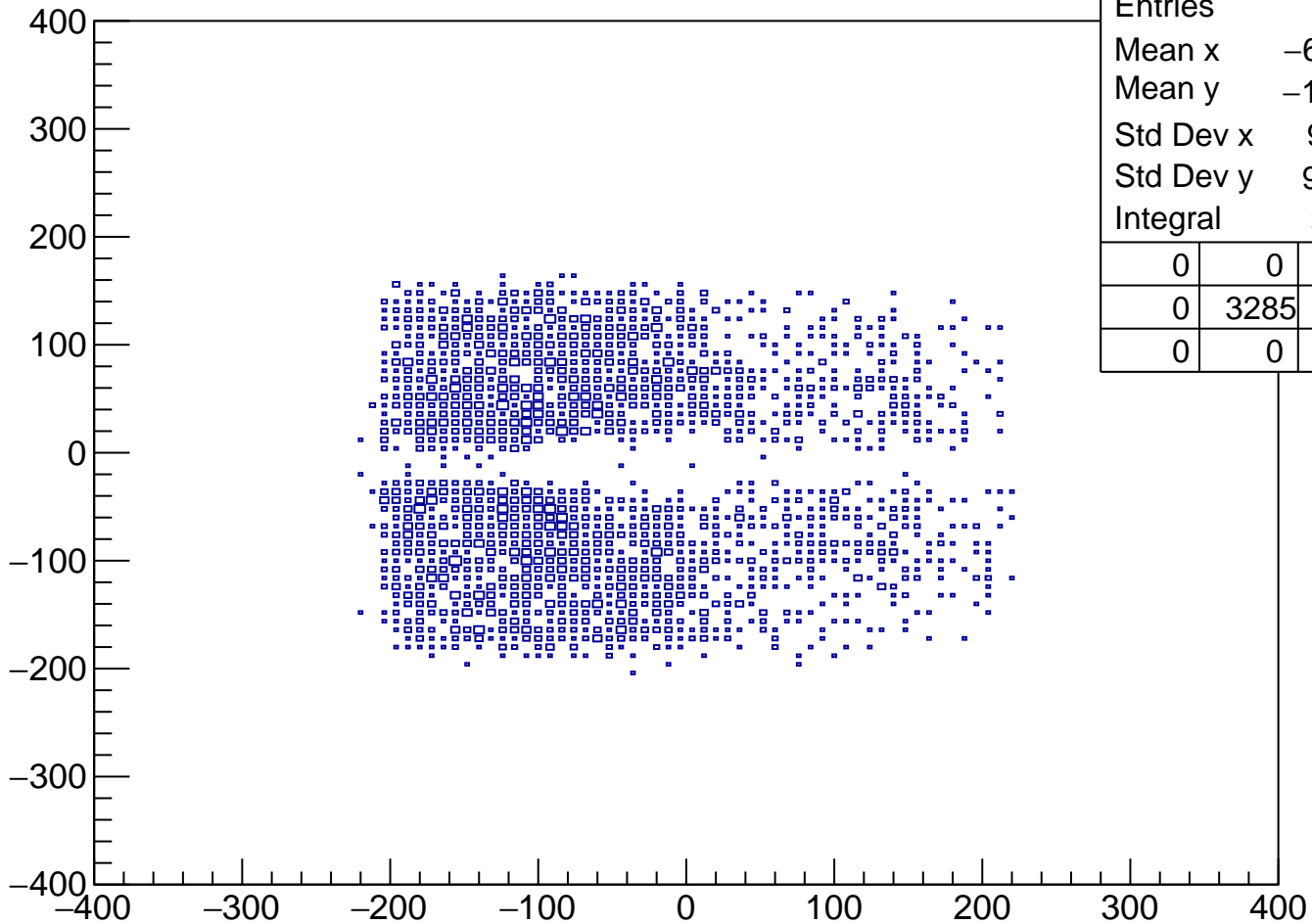
# pKurama vs m2 Cut3 $1 < \text{pKurama}[0] < 1.2$



vpy[1] vs vpx[1]      Cut3 1<pKurama[0]<1.2

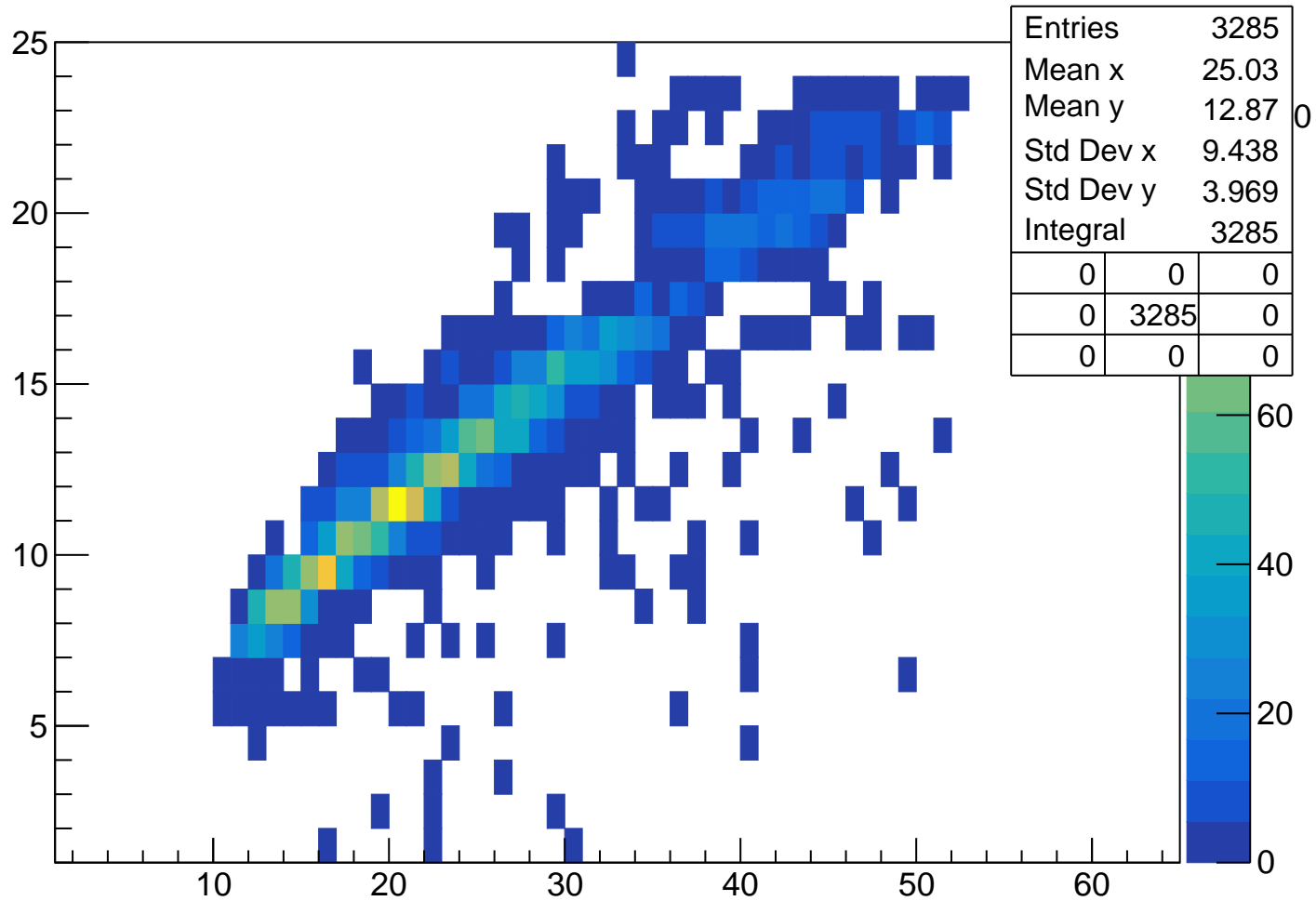


# vpy[1] vs vpx[1]      Cut3 1<pKurama[0]<1.2

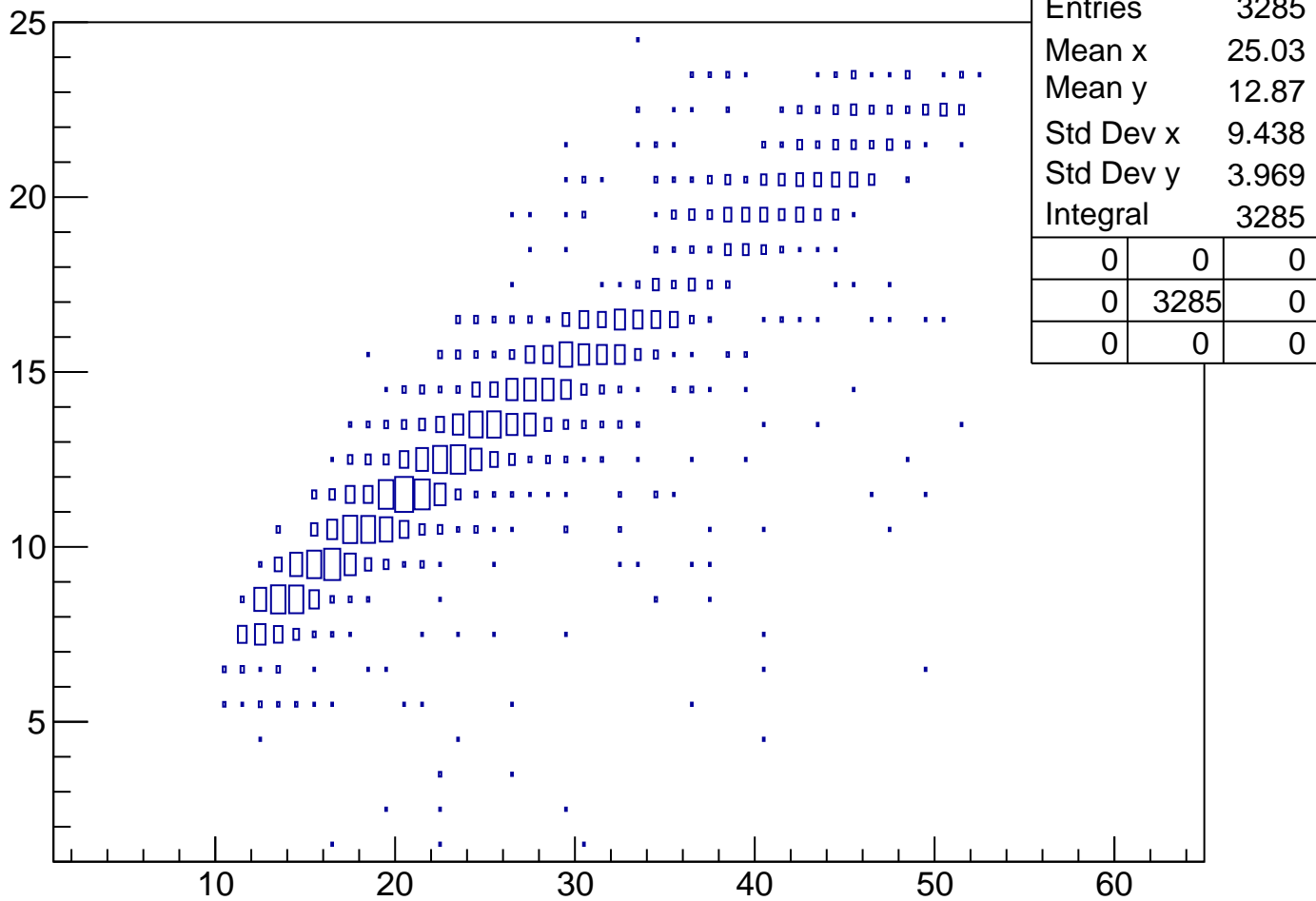


Entries	3285	
Mean x	-60.45	
Mean y	-14.97	
Std Dev x	99.01	
Std Dev y	95.57	
Integral	3285	
0	0	0
0	3285	0
0	0	0

TofSeg[0] vs vpseg[1] Cut3 1<pKurama[0]<1.2

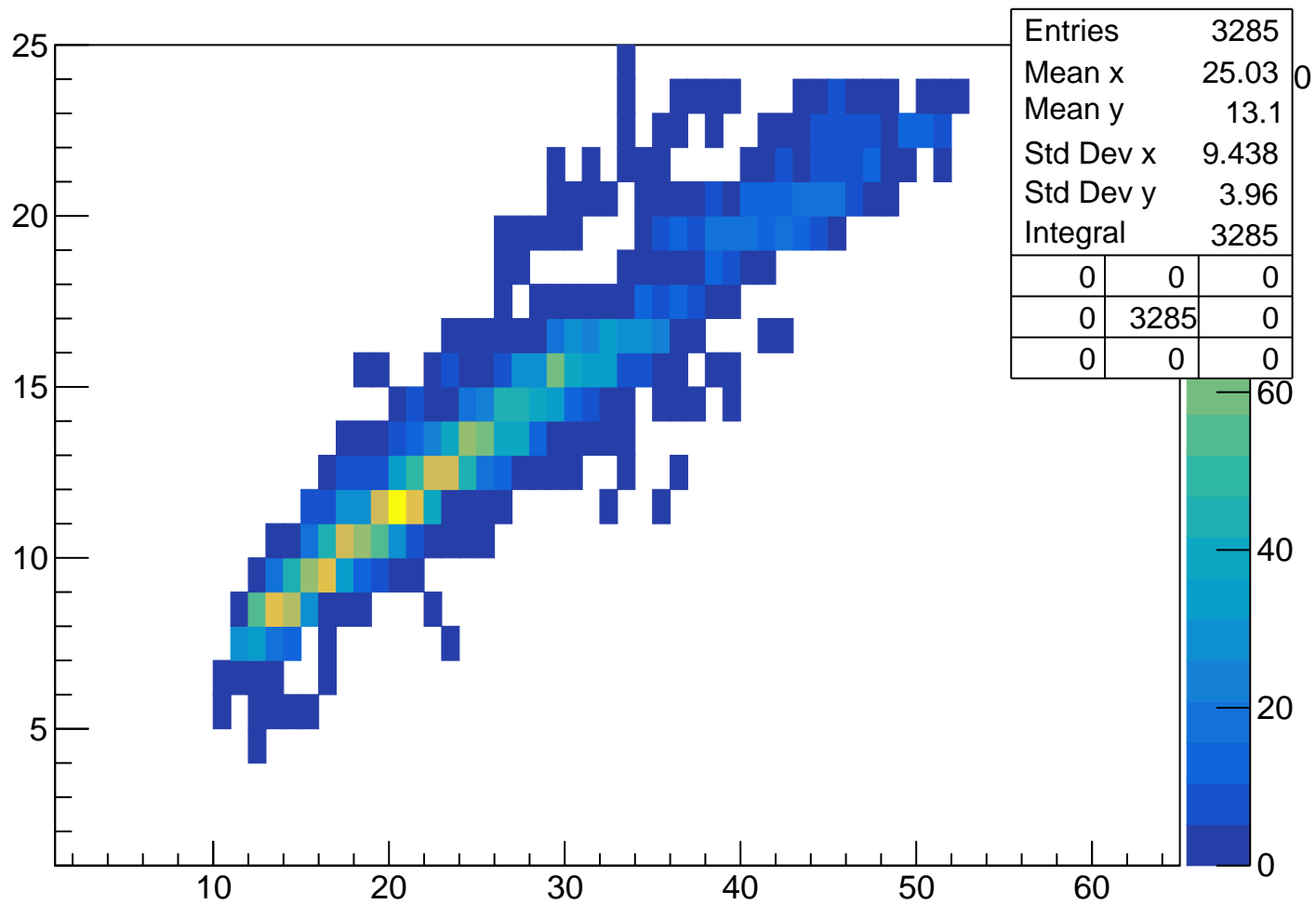


TofSeg[0] vs vpseg[1] Cut3 1<pKurama[0]<1.2

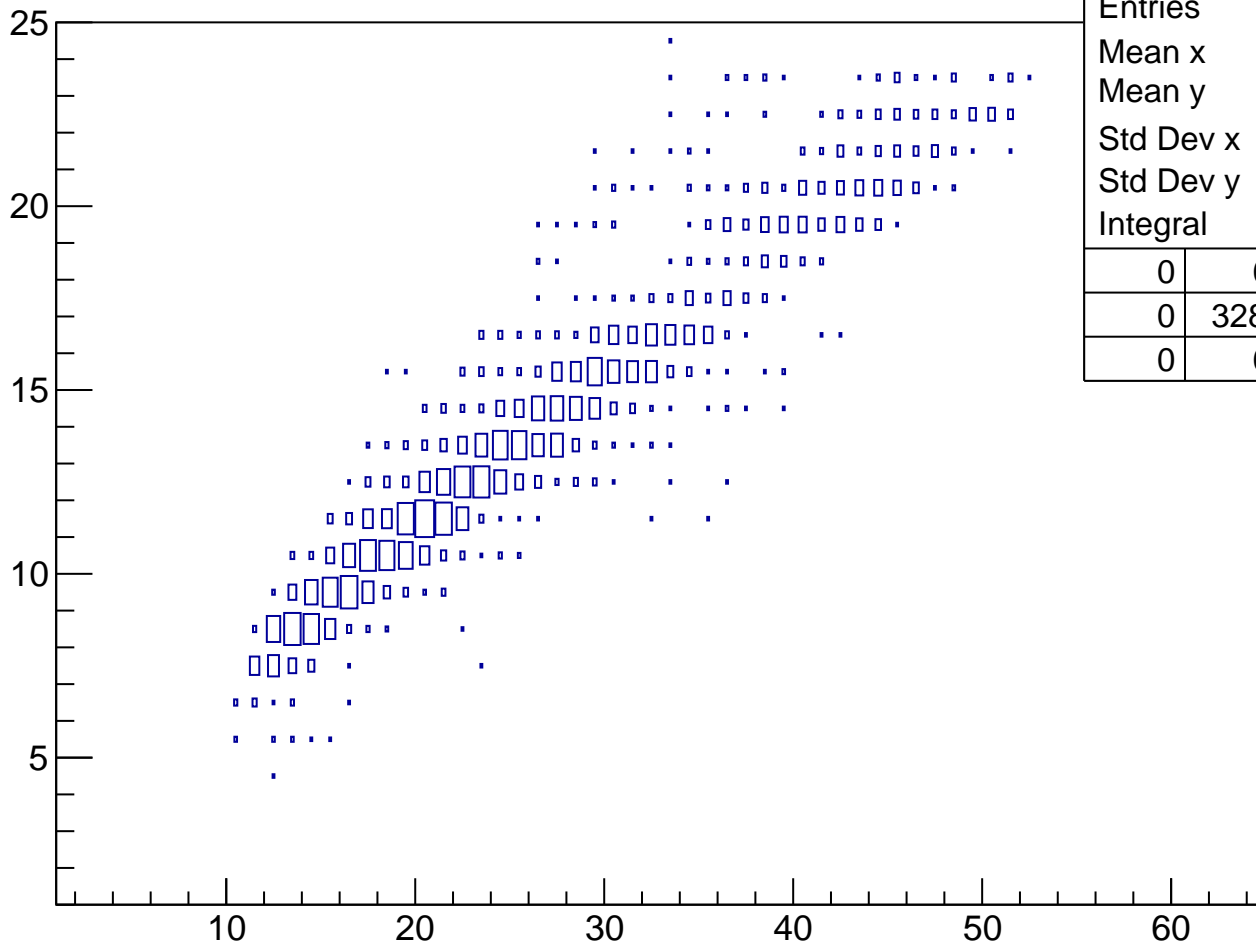




tofsegKurama[0] vs vpseg[1] Cut3 1<pKurama[0]<1.2

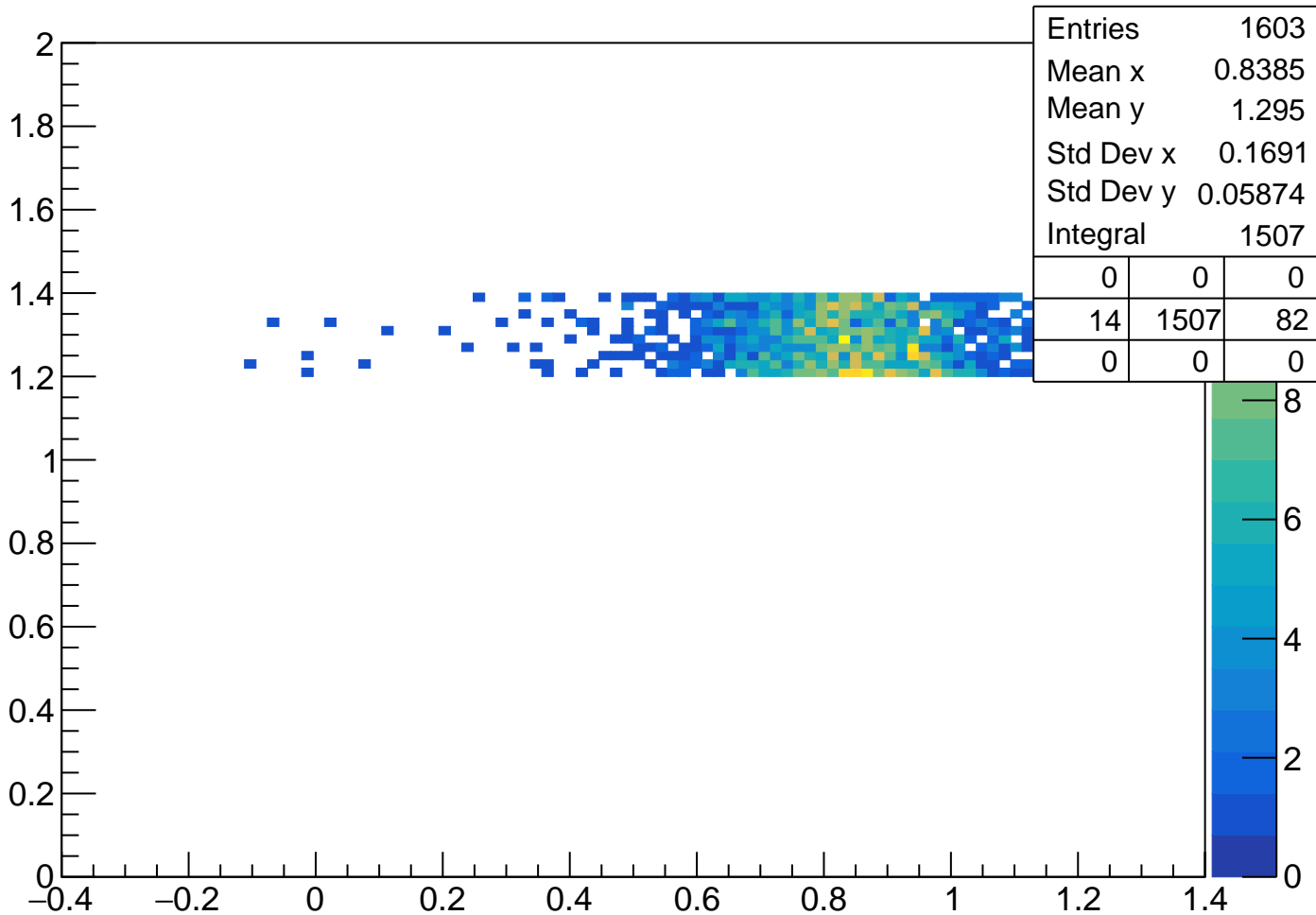


tofsegKurama[0] vs vpseg[1] Cut3 1<pKurama[0]<1.2

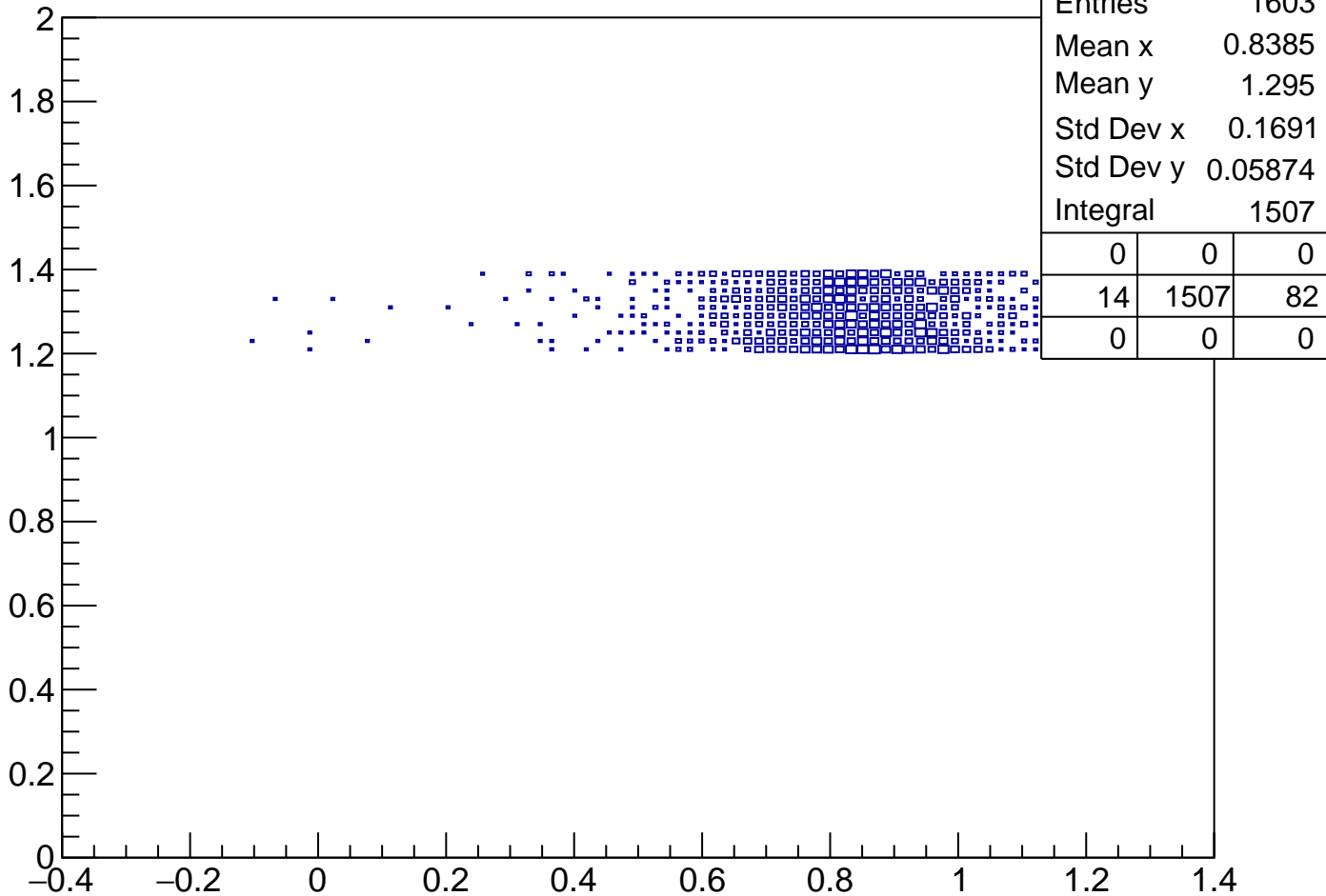


Entries	3285	
Mean x	25.03	
Mean y	13.1	
Std Dev x	9.438	
Std Dev y	3.96	
Integral	3285	
0	0	0
0	3285	0
0	0	0

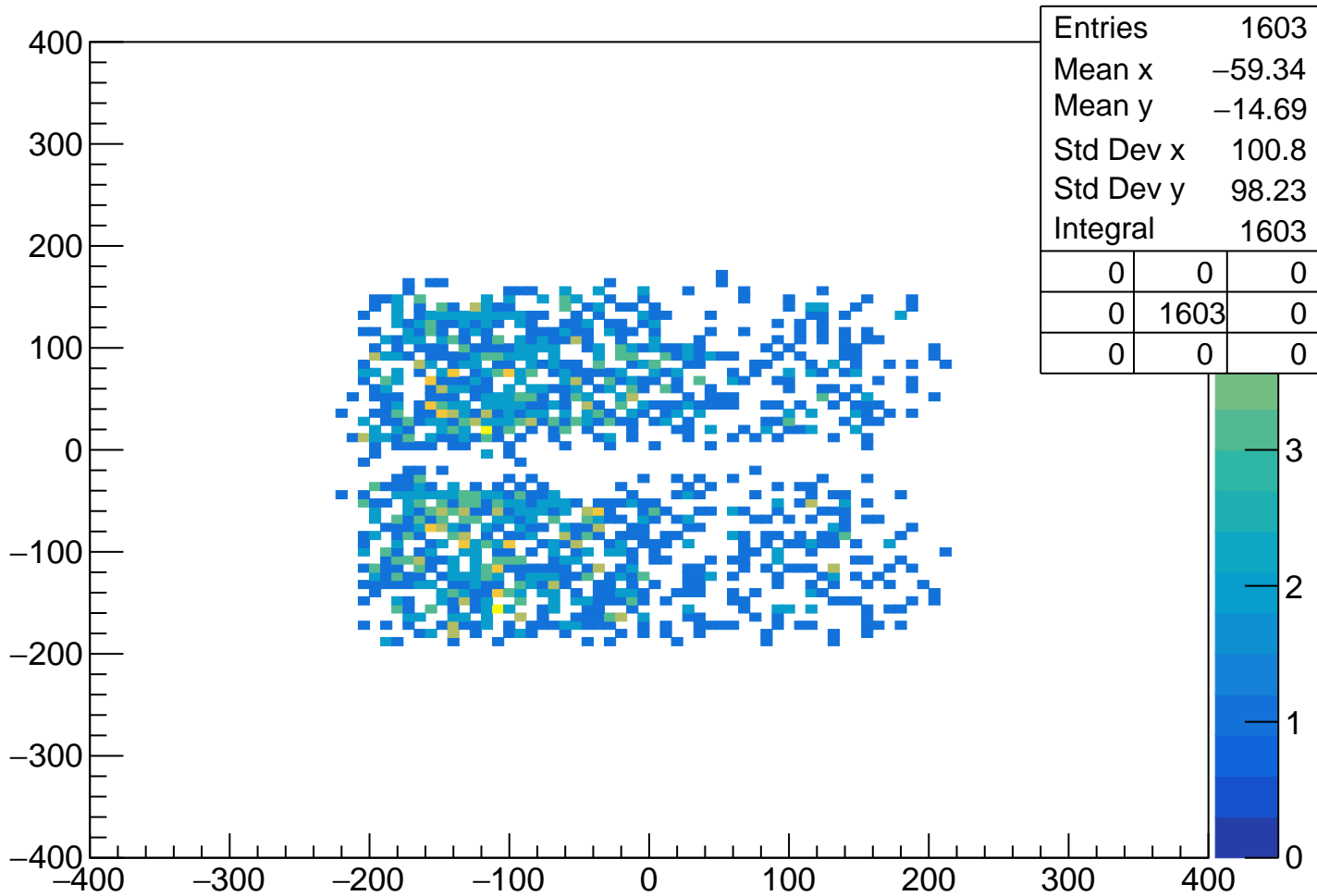
pKurama vs m2 Cut3  $1.2 < \text{pKurama}[0] < 1.4$



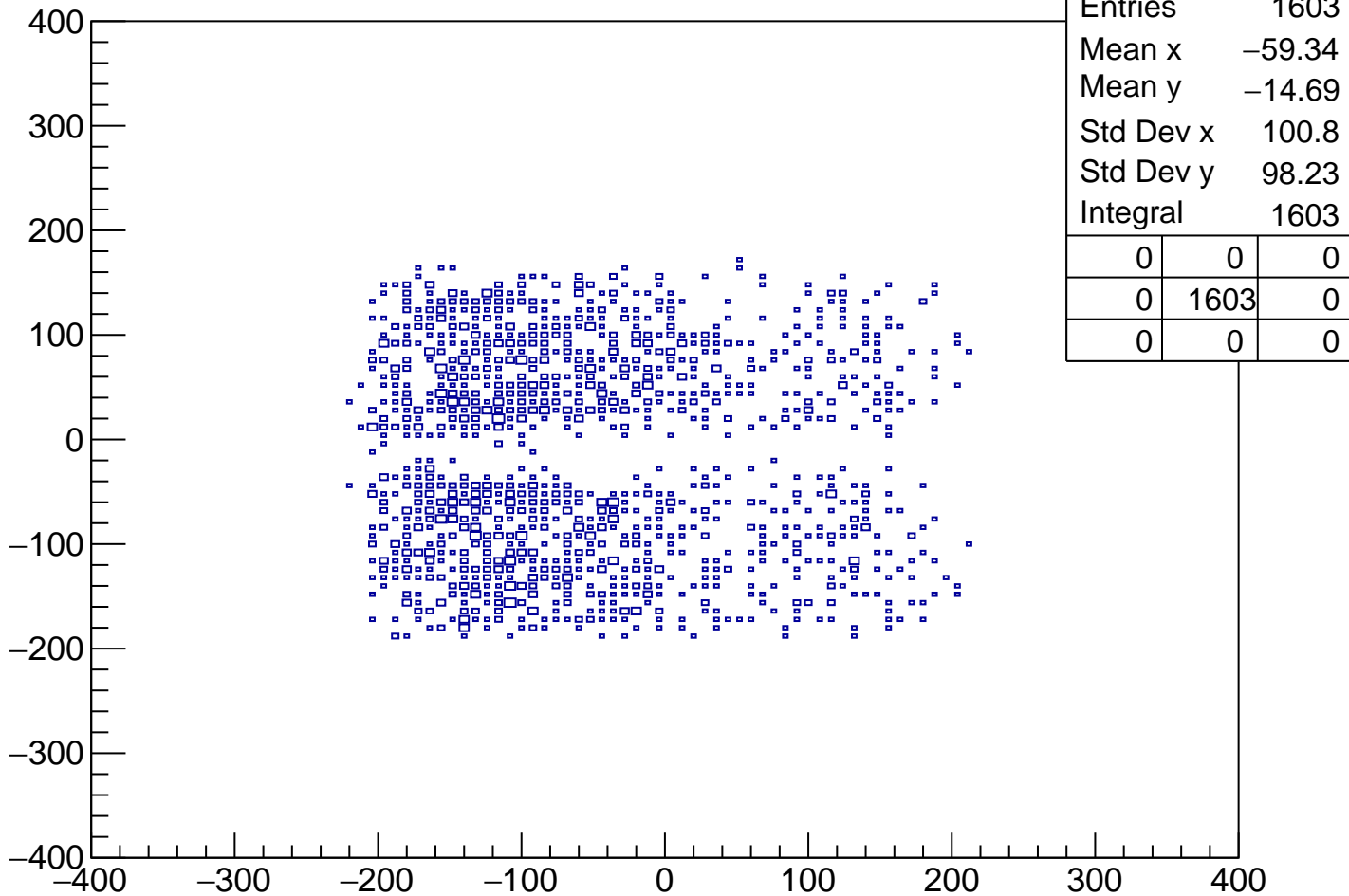
# pKurama vs m2 Cut3 $1.2 < p_{\text{Kurama}}[0] < 1.4$



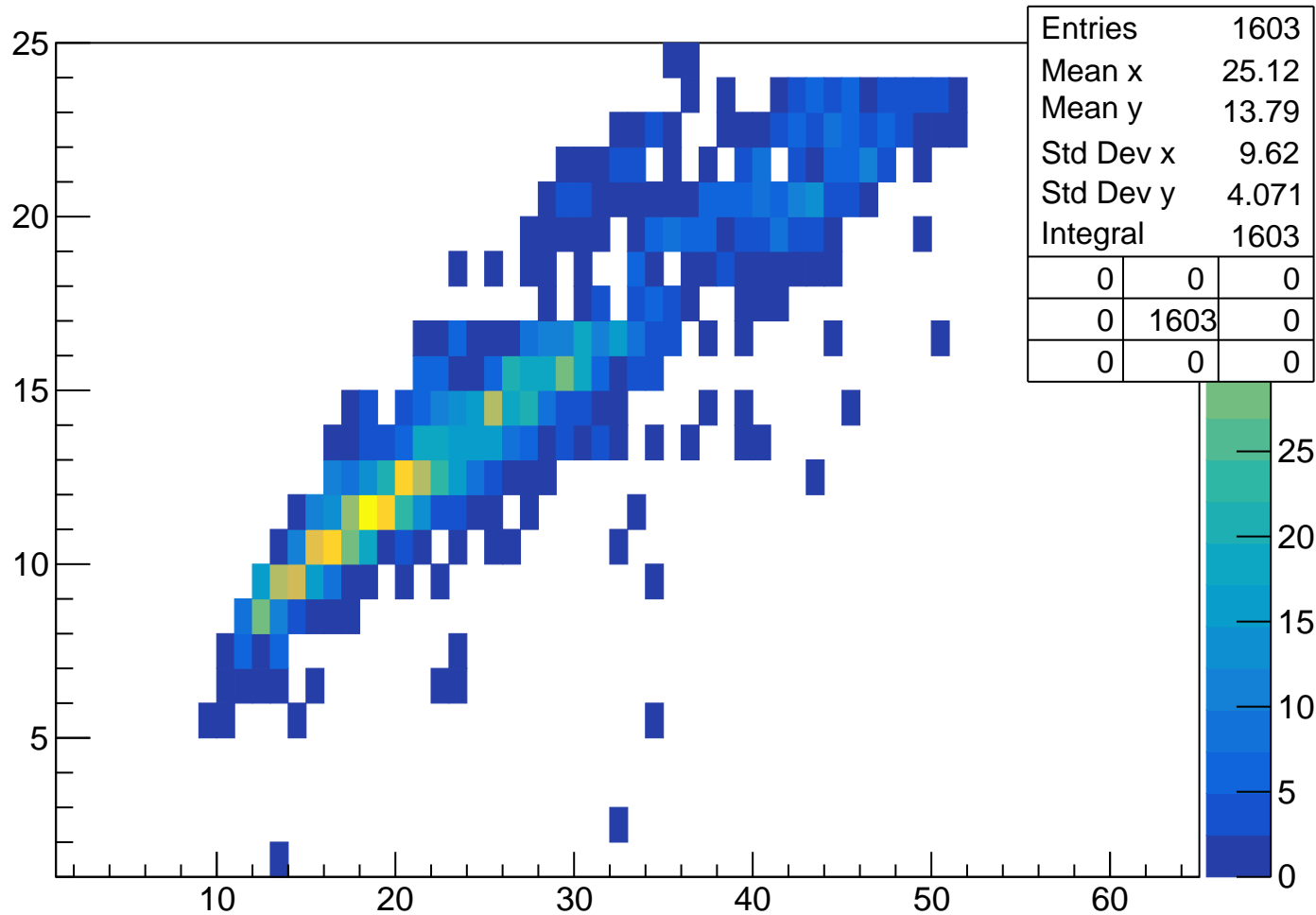
vpy[1] vs vpx[1]      Cut3 1.2<pKurama[0]<1.4



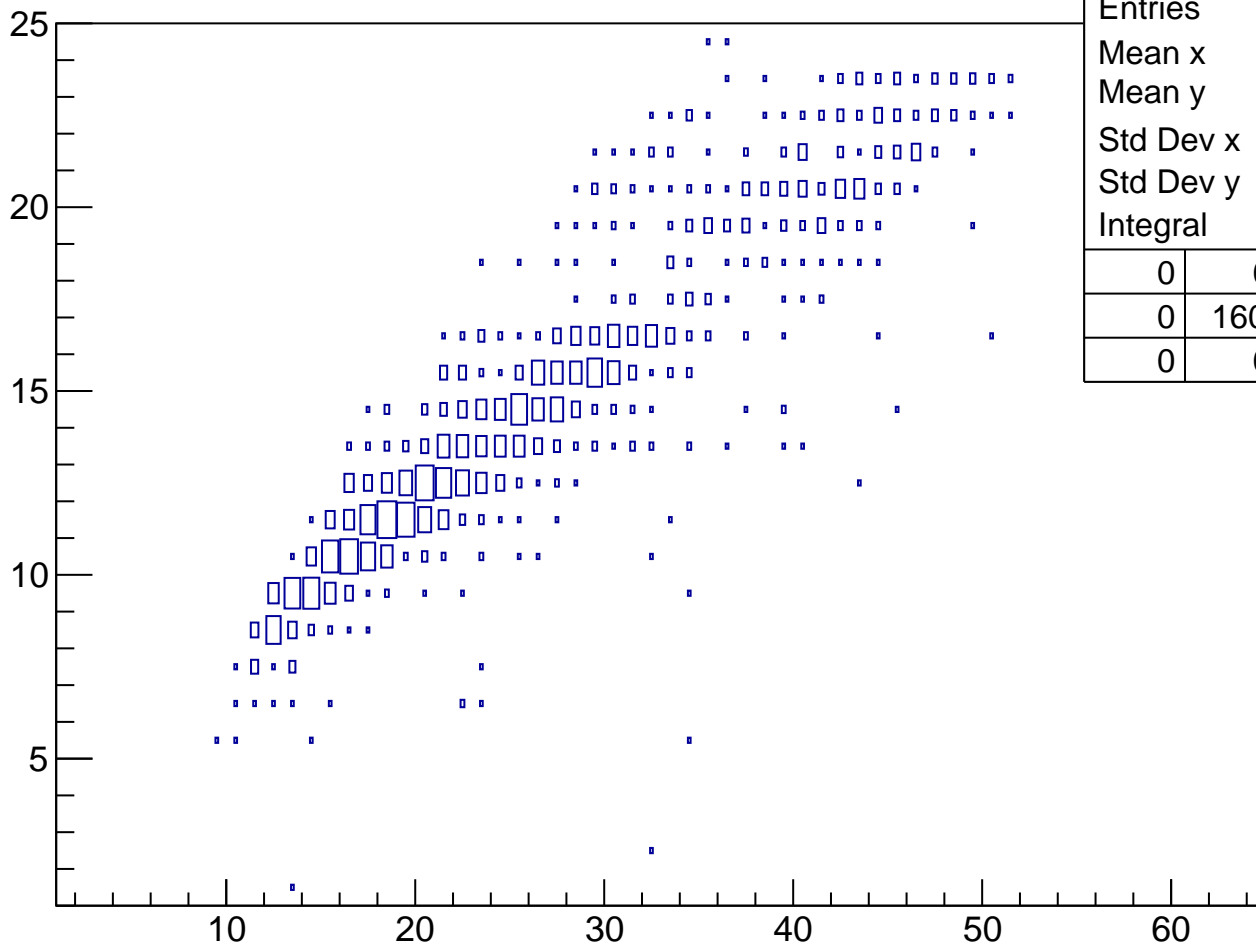
vpy[1] vs vpx[1]      Cut3 1.2<pKurama[0]<1.4



TofSeg[0] vs vpseg[1] Cut3 1.2<pKurama[0]<1.4



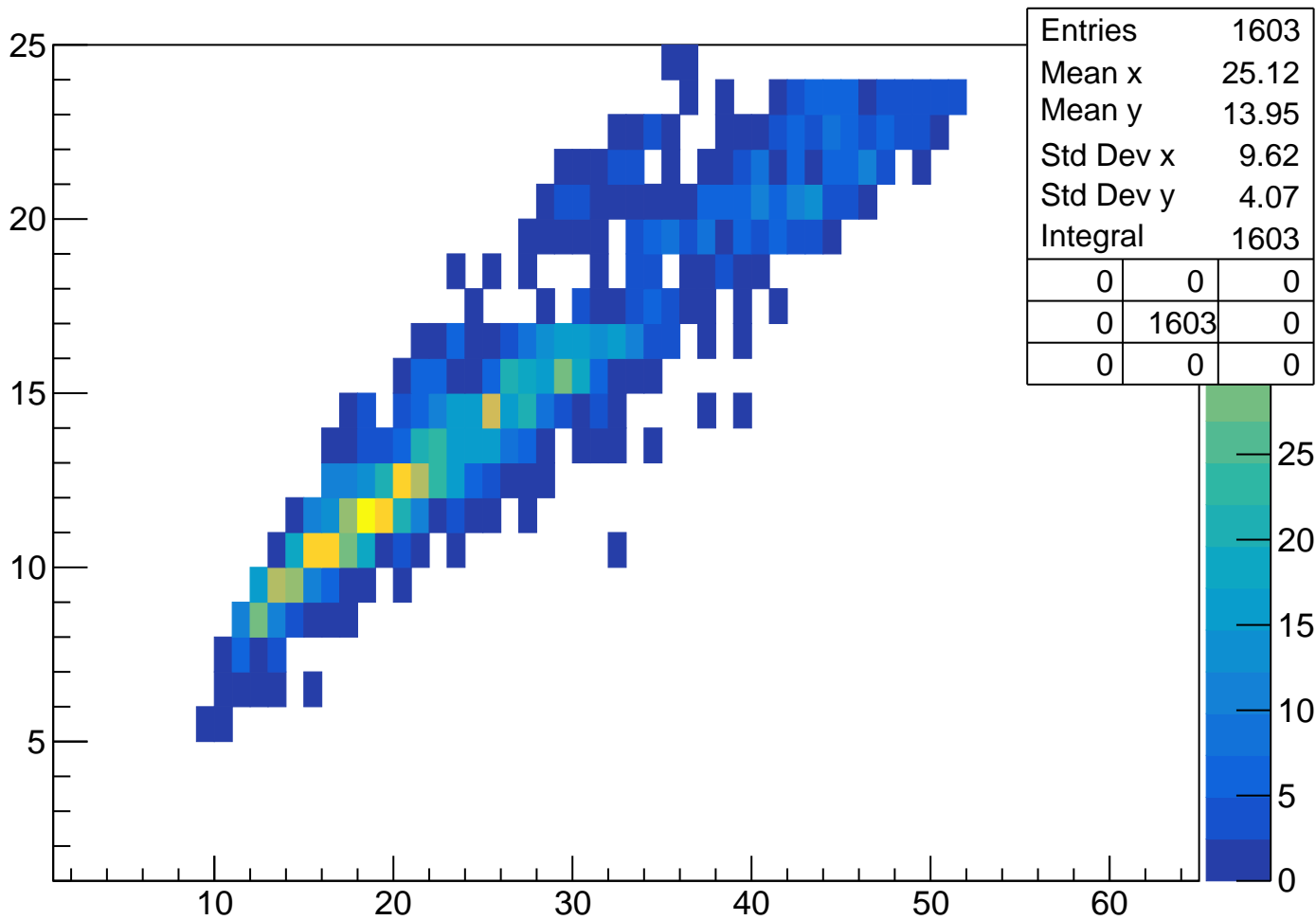
TofSeg[0] vs vpseg[1] Cut3 1.2<pKurama[0]<1.4



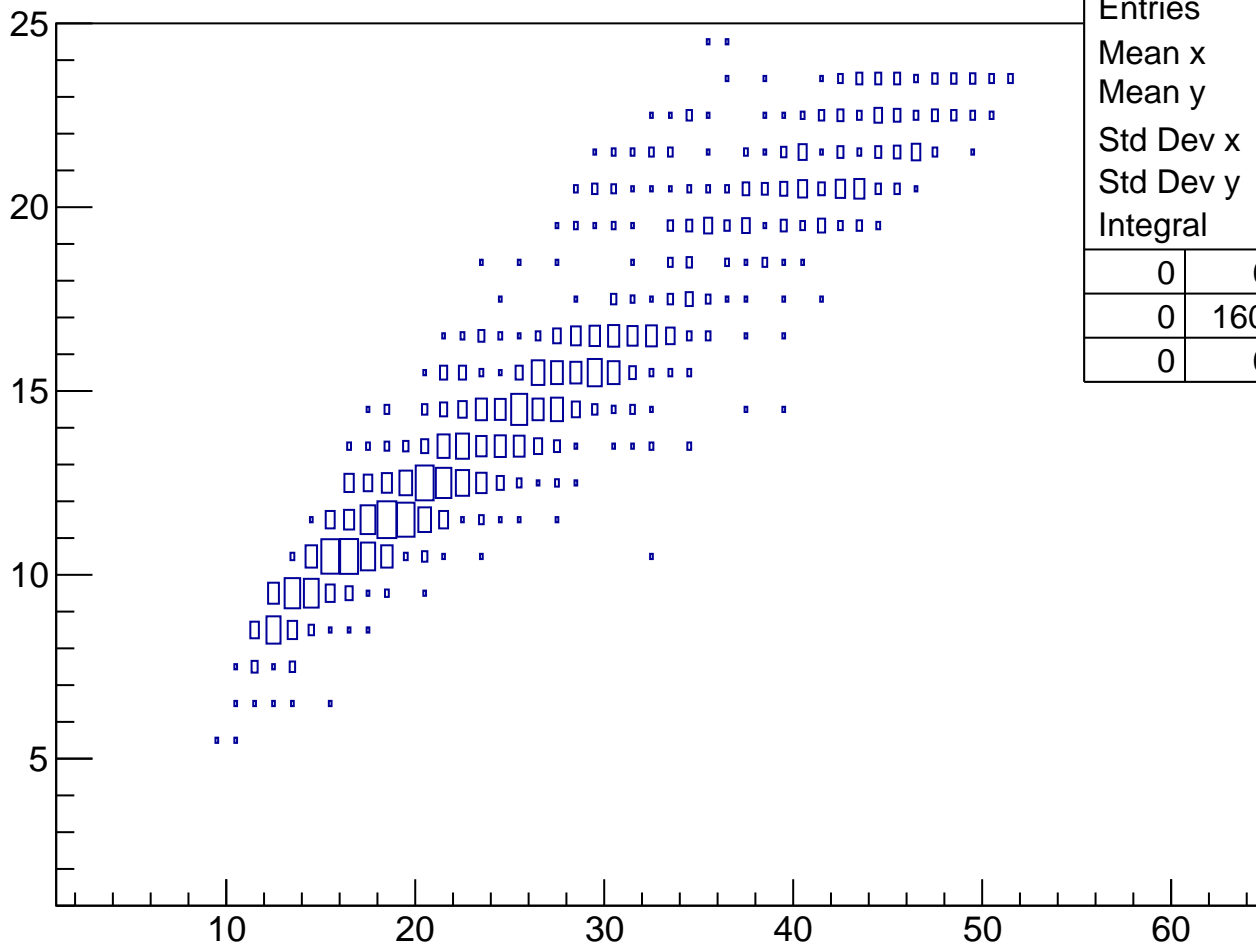
Entries	1603	
Mean x	25.12	
Mean y	13.79	
Std Dev x	9.62	
Std Dev y	4.071	
Integral	1603	
0	0	0
0	1603	0
0	0	0



tofsegKurama[0] vs vpseg[1] Cut3  $1.2 < p_{\text{Kurama}[0]} < 1.4$

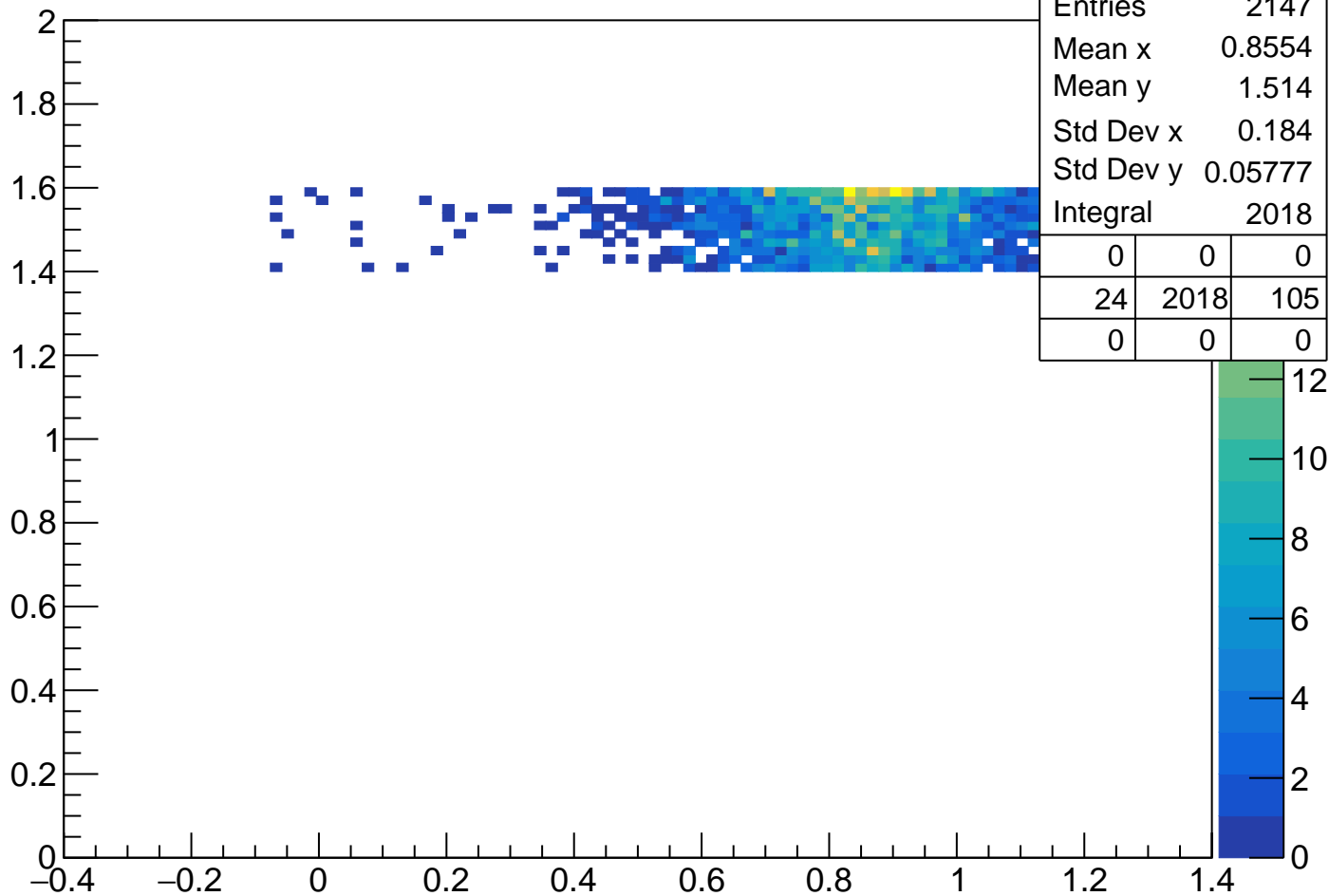


tofsegKurama[0] vs vpseg[1] Cut3 1.2<pKurama[0]<1.4

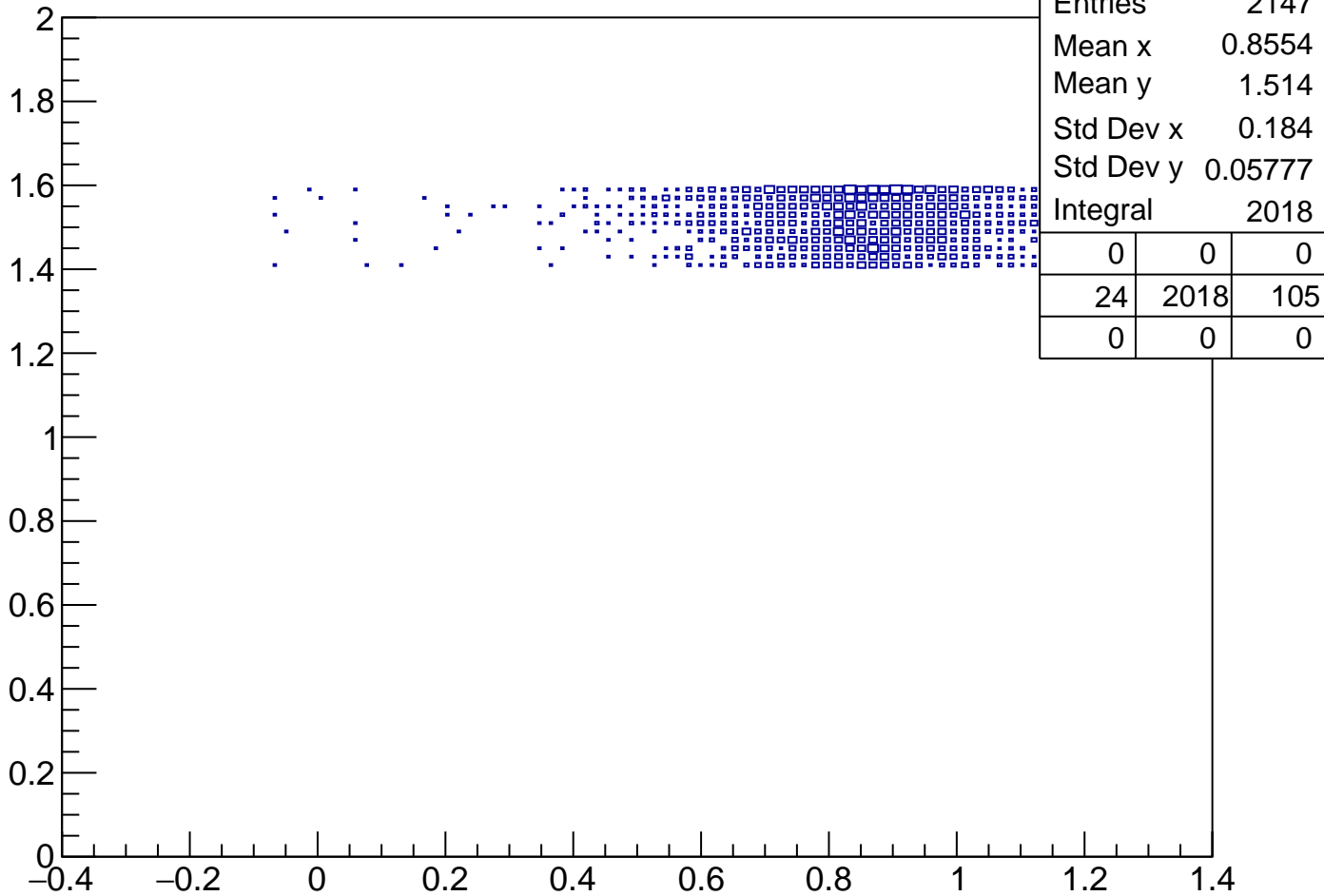


Entries	1603	
Mean x	25.12	
Mean y	13.95	
Std Dev x	9.62	
Std Dev y	4.07	
Integral	1603	
0	0	0
0	1603	0
0	0	0

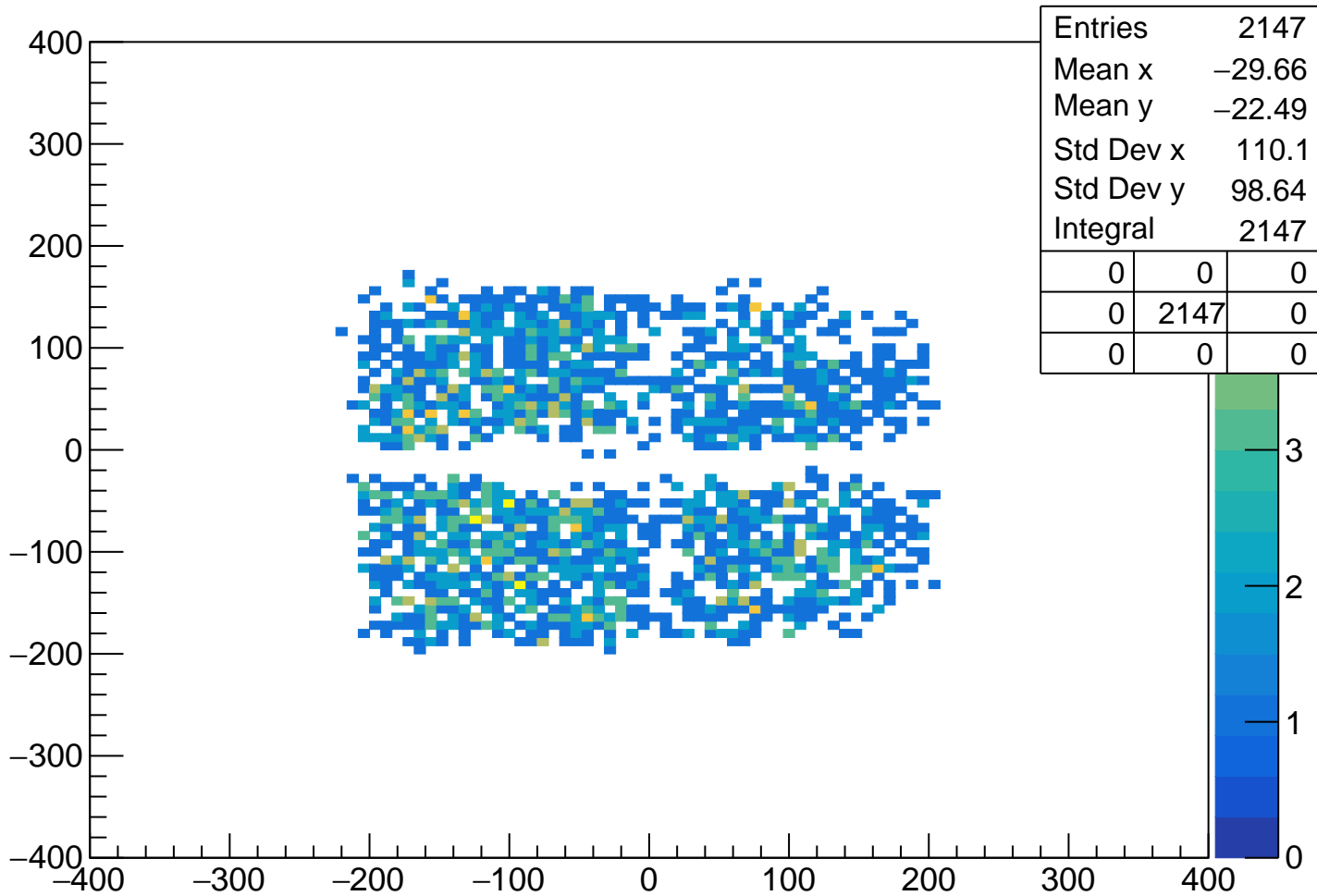
# pKurama vs m2 Cut3 $1.4 < p_{Kurama}[0] < 1.6$



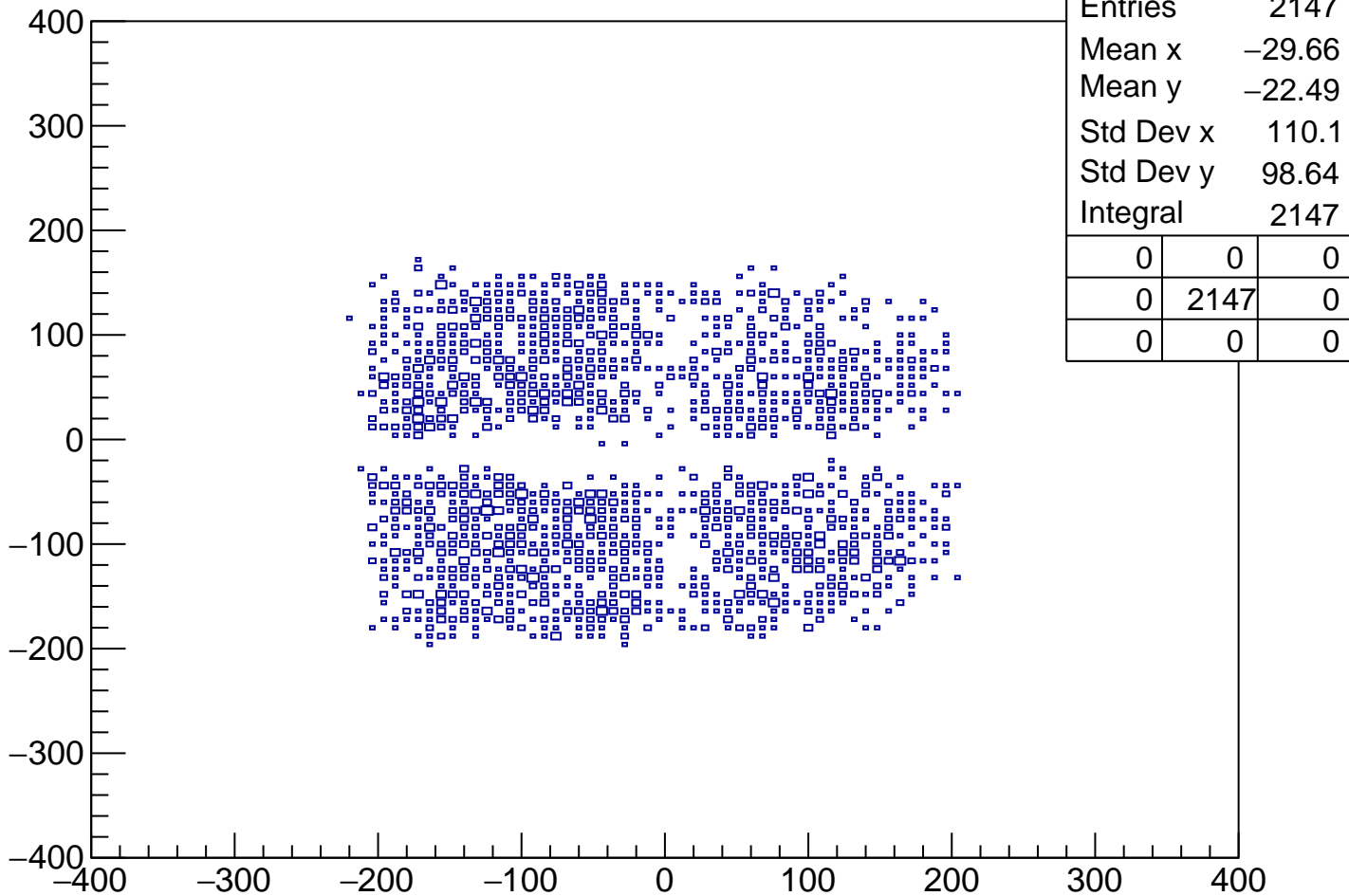
# pKurama vs m2 Cut3 $1.4 < \text{pKurama}[0] < 1.6$



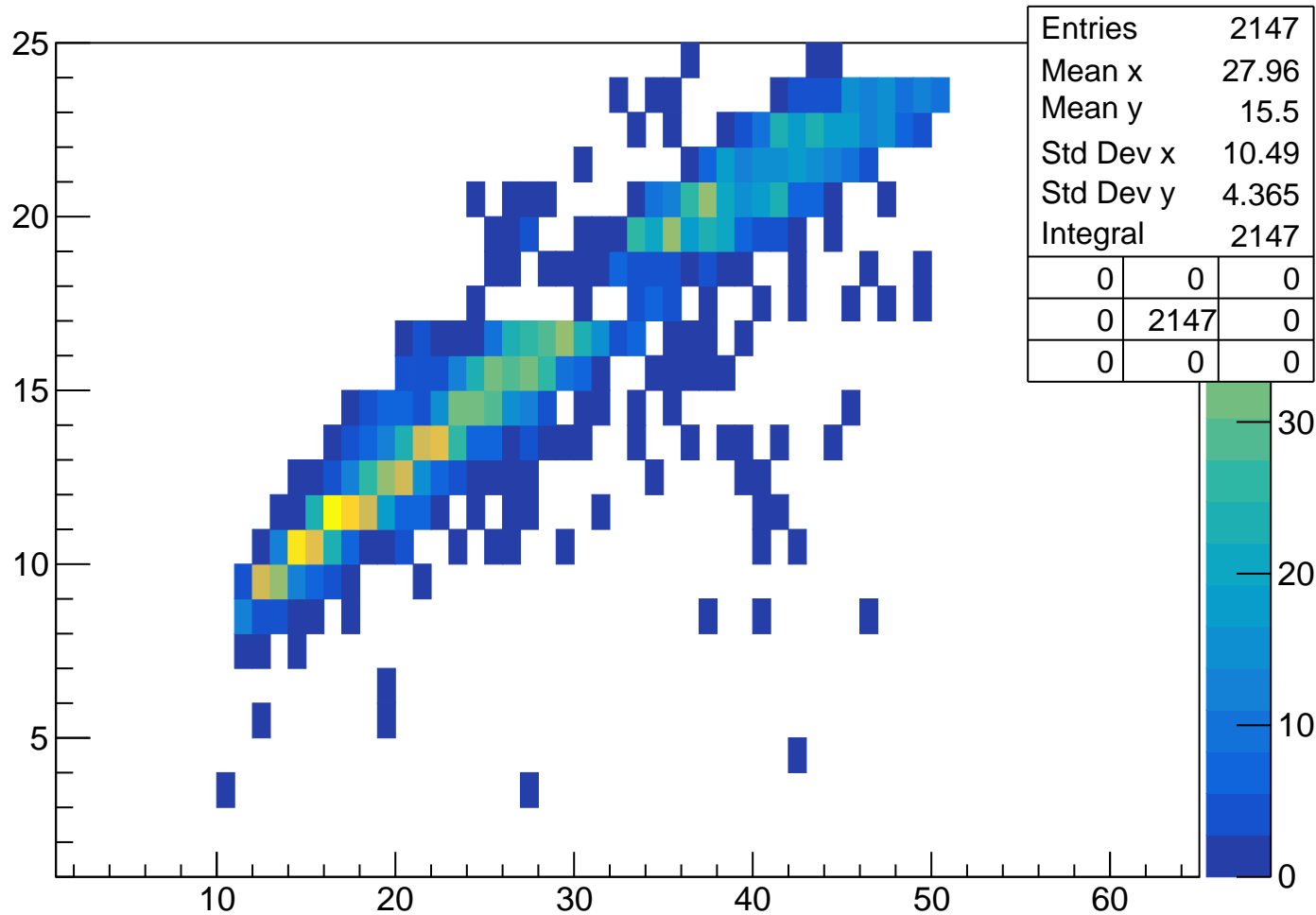
vpy[1] vs vpx[1]      Cut3 1.4<pKurama[0]<1.6



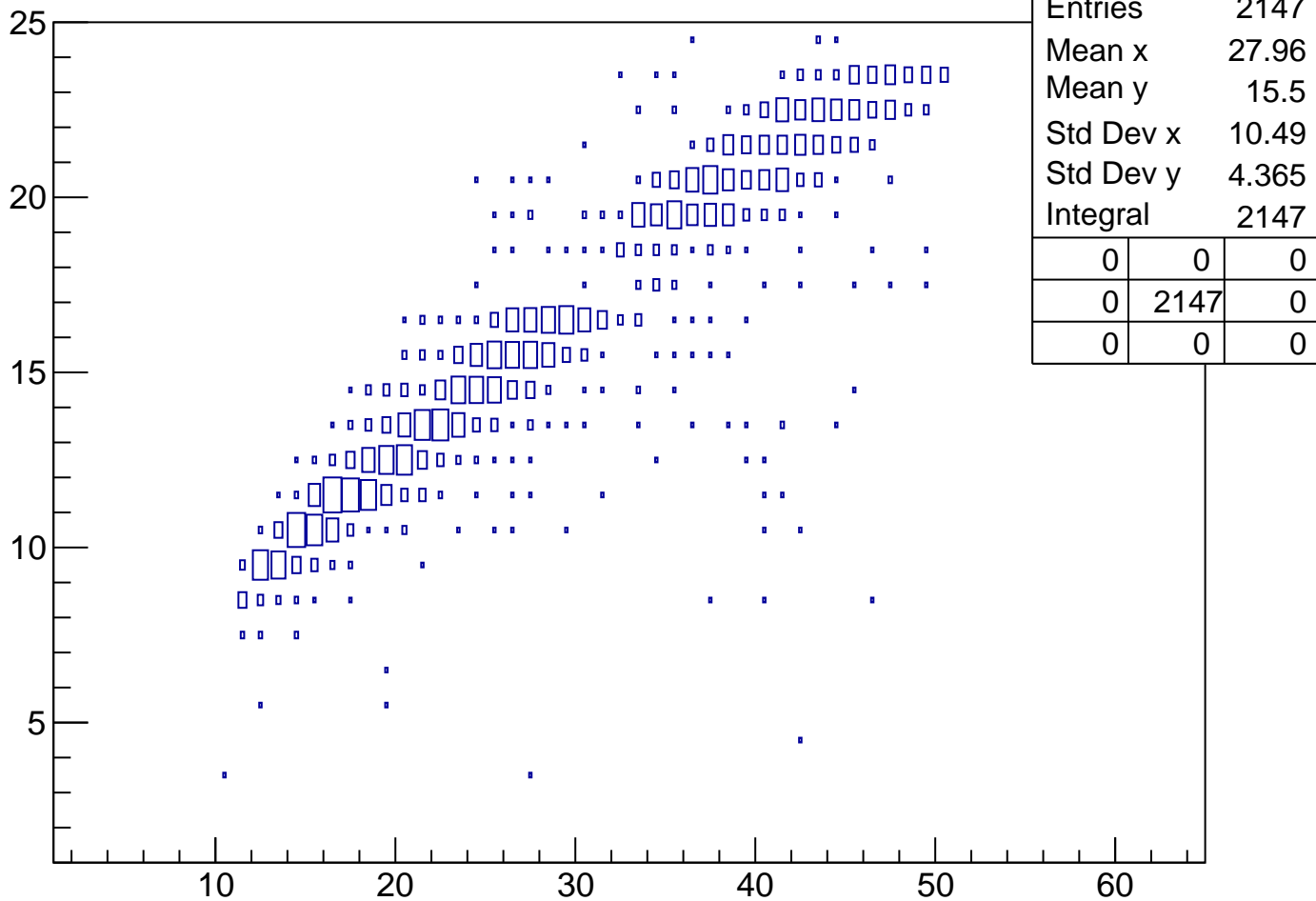
# vpy[1] vs vpx[1]      Cut3 1.4<pKurama[0]<1.6



TofSeg[0] vs vpseg[1] Cut3 1.4<pKurama[0]<1.6

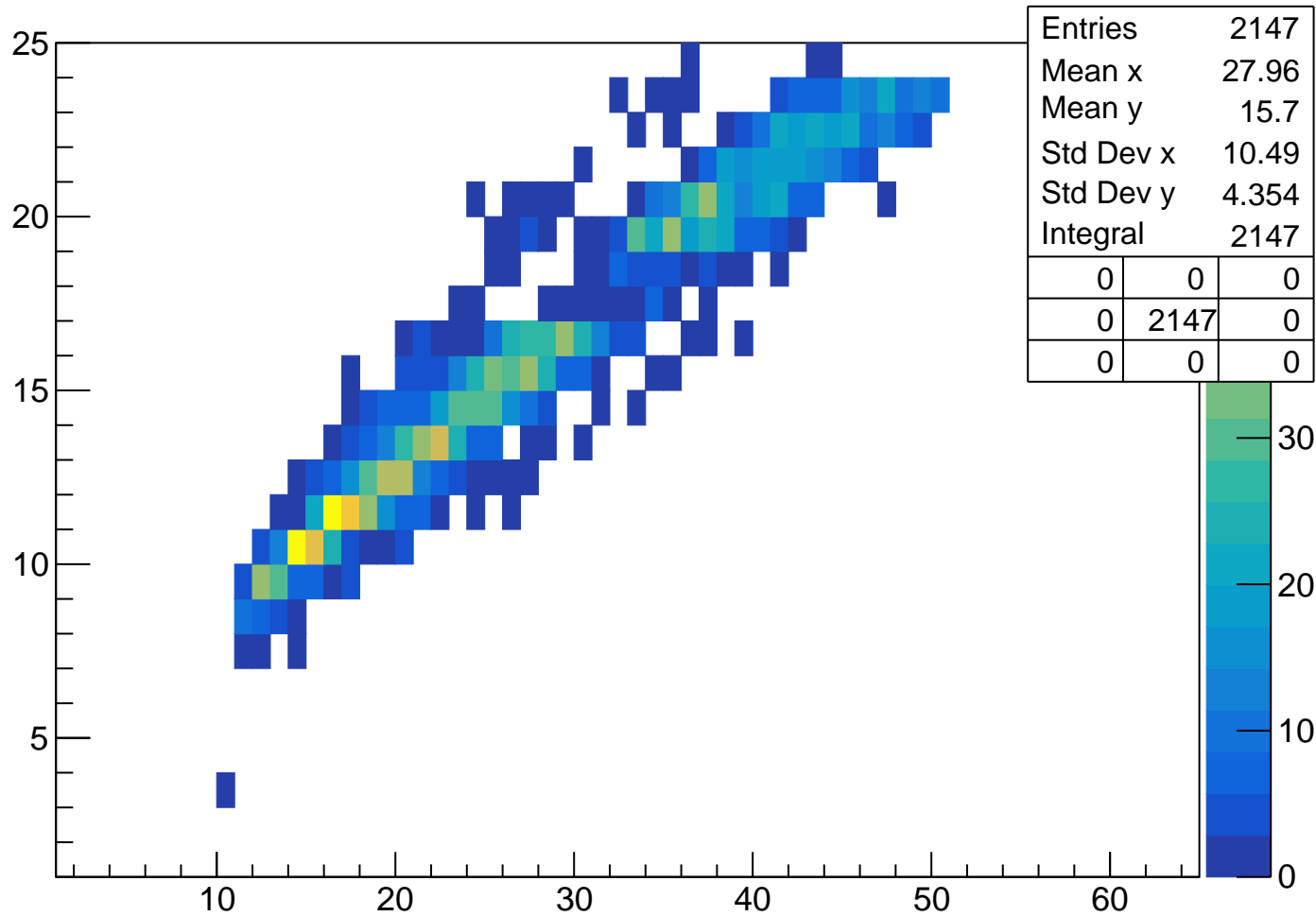


TofSeg[0] vs vpseg[1] Cut3 1.4<pKurama[0]<1.6

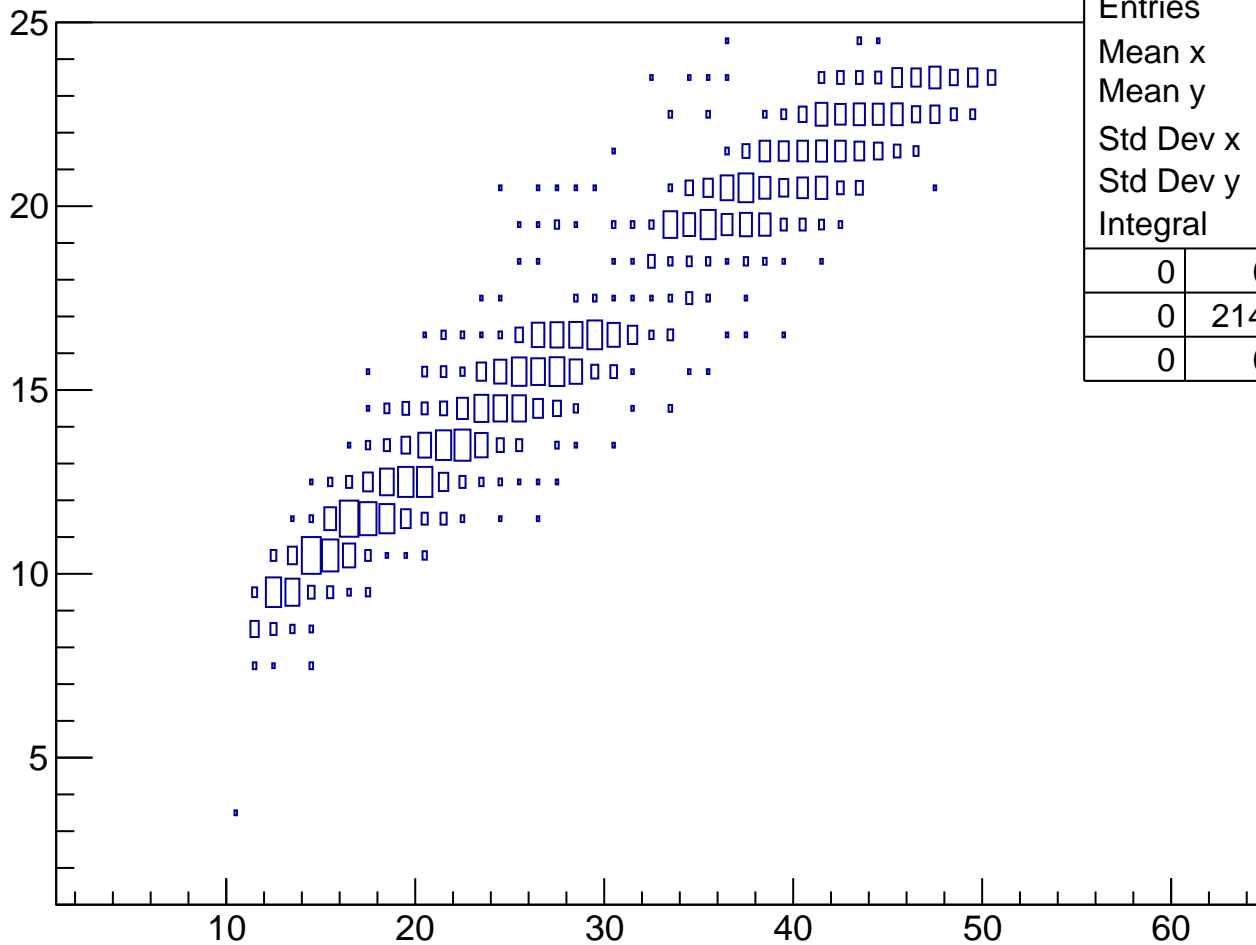




tofsegKurama[0] vs vpseg[1] Cut3  $1.4 < p_{\text{Kurama}[0]} < 1.6$

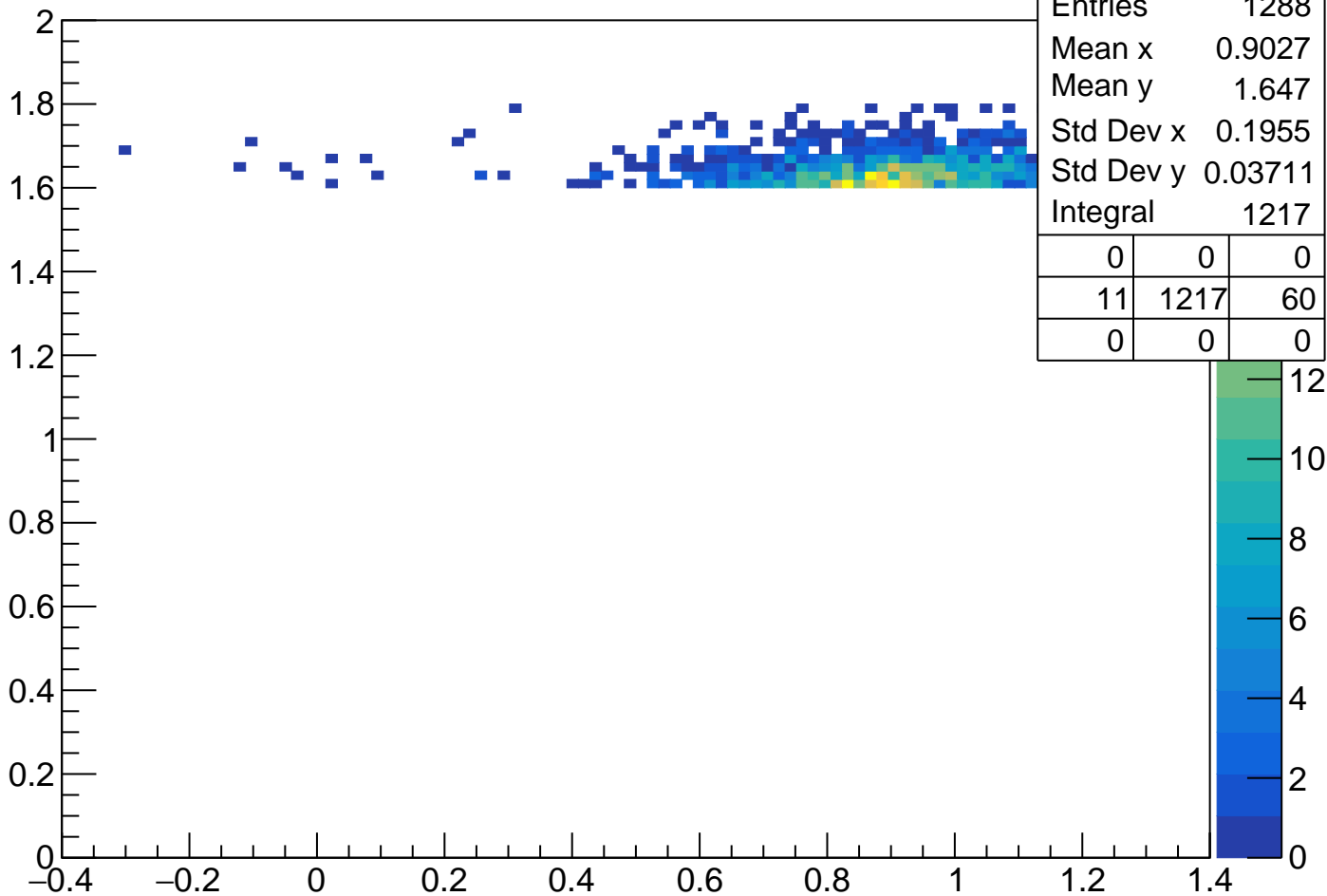


tofsegKurama[0] vs vpseg[1] Cut3 1.4<pKurama[0]<1.6

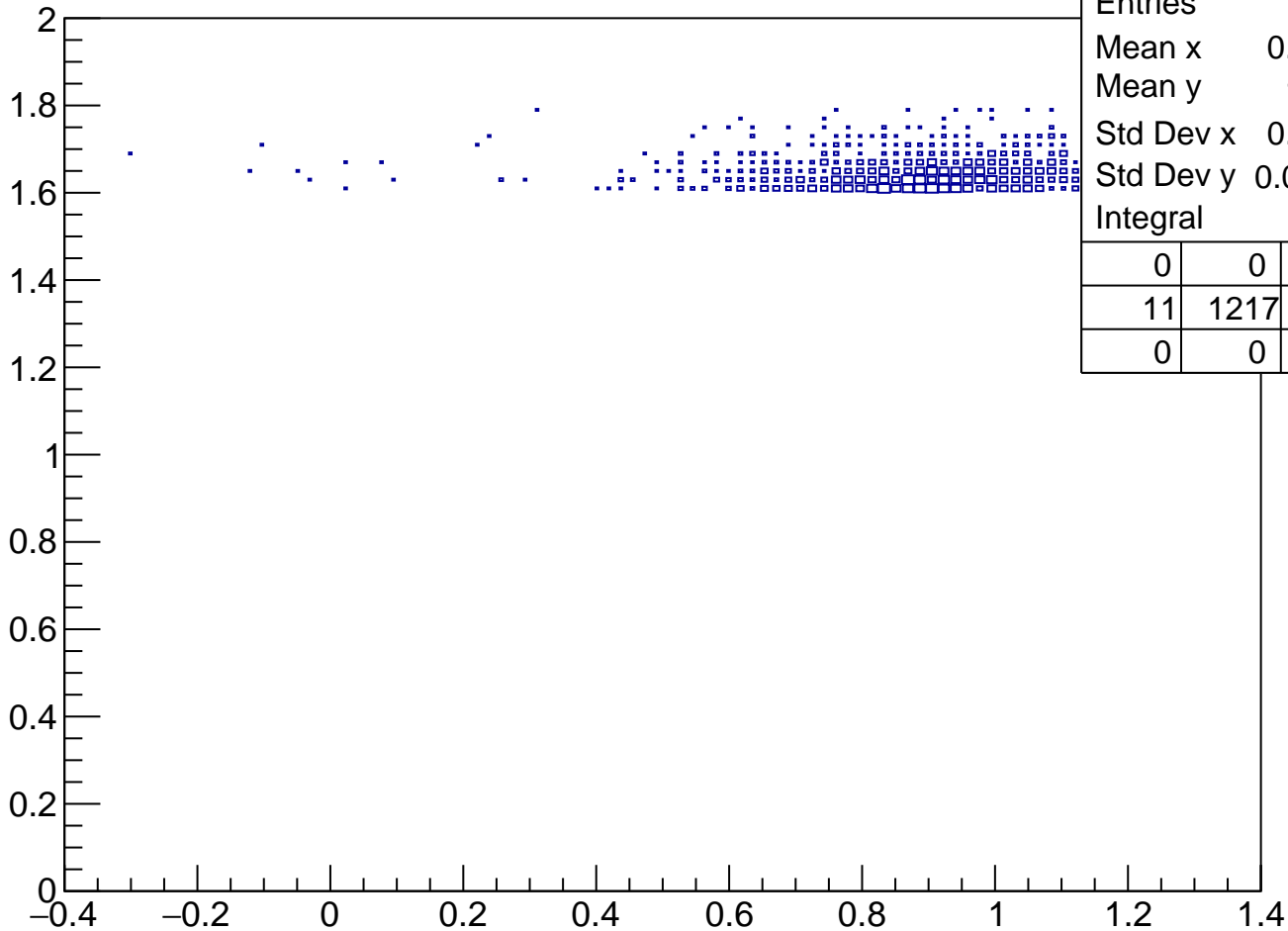


Entries	2147	
Mean x	27.96	
Mean y	15.7	
Std Dev x	10.49	
Std Dev y	4.354	
Integral	2147	
0	0	0
0	2147	0
0	0	0

# pKurama vs m2 Cut3 1.6<pKurama[0]<1.8

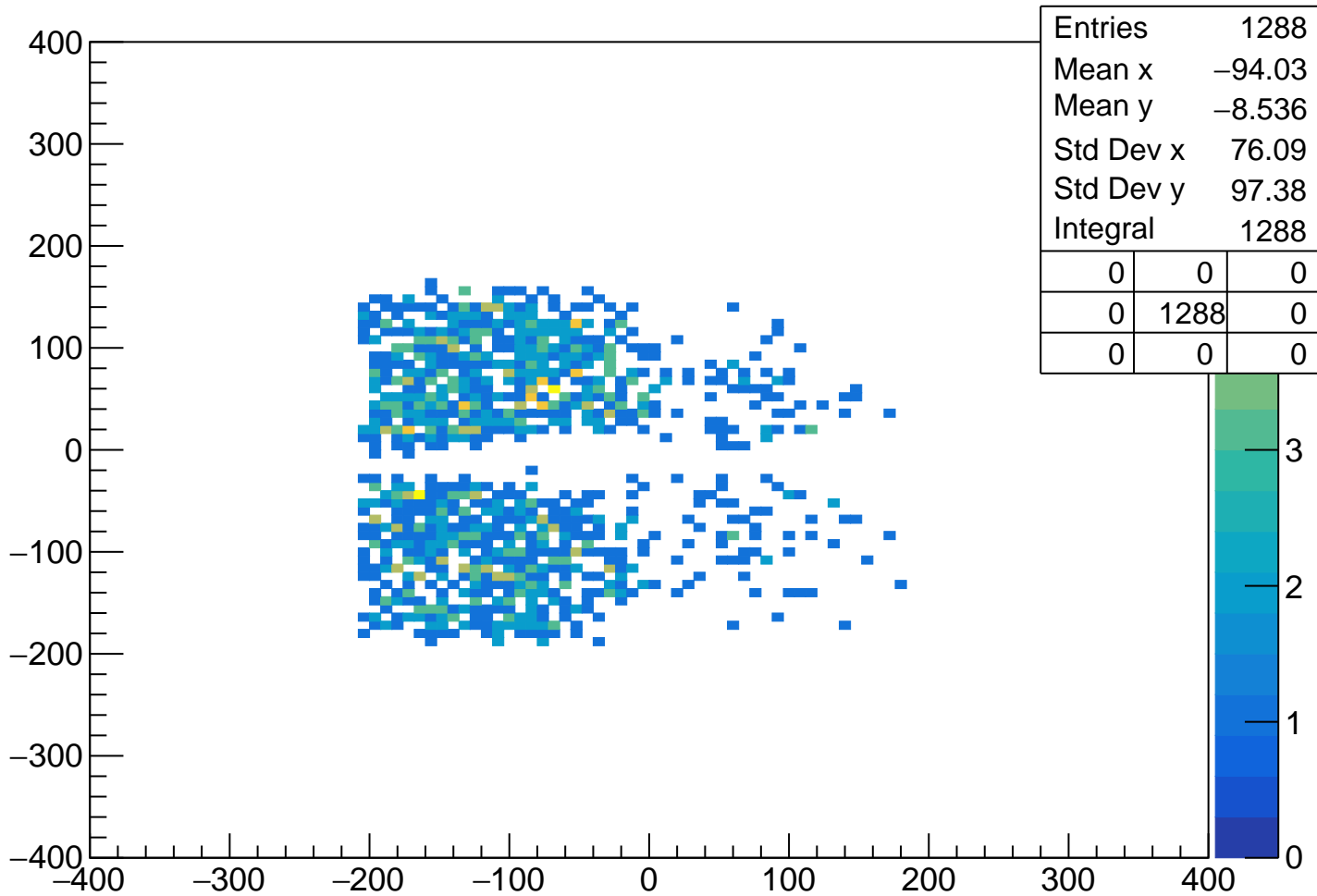


# pKurama vs m2 Cut3 1.6<pKurama[0]<1.8

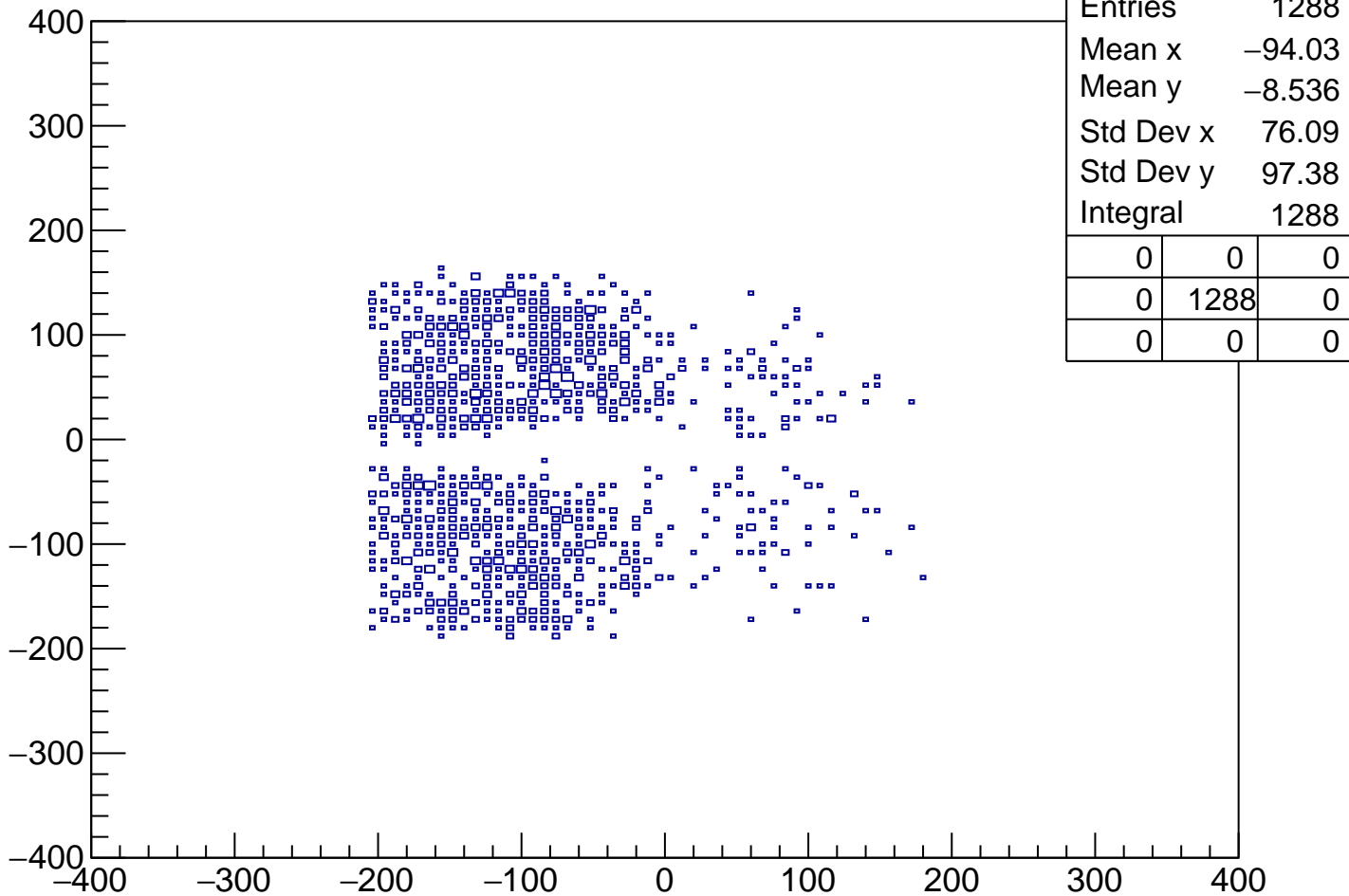


Entries	1288	
Mean x	0.9027	
Mean y	1.647	
Std Dev x	0.1955	
Std Dev y	0.03711	
Integral	1217	
0	0	0
11	1217	60
0	0	0

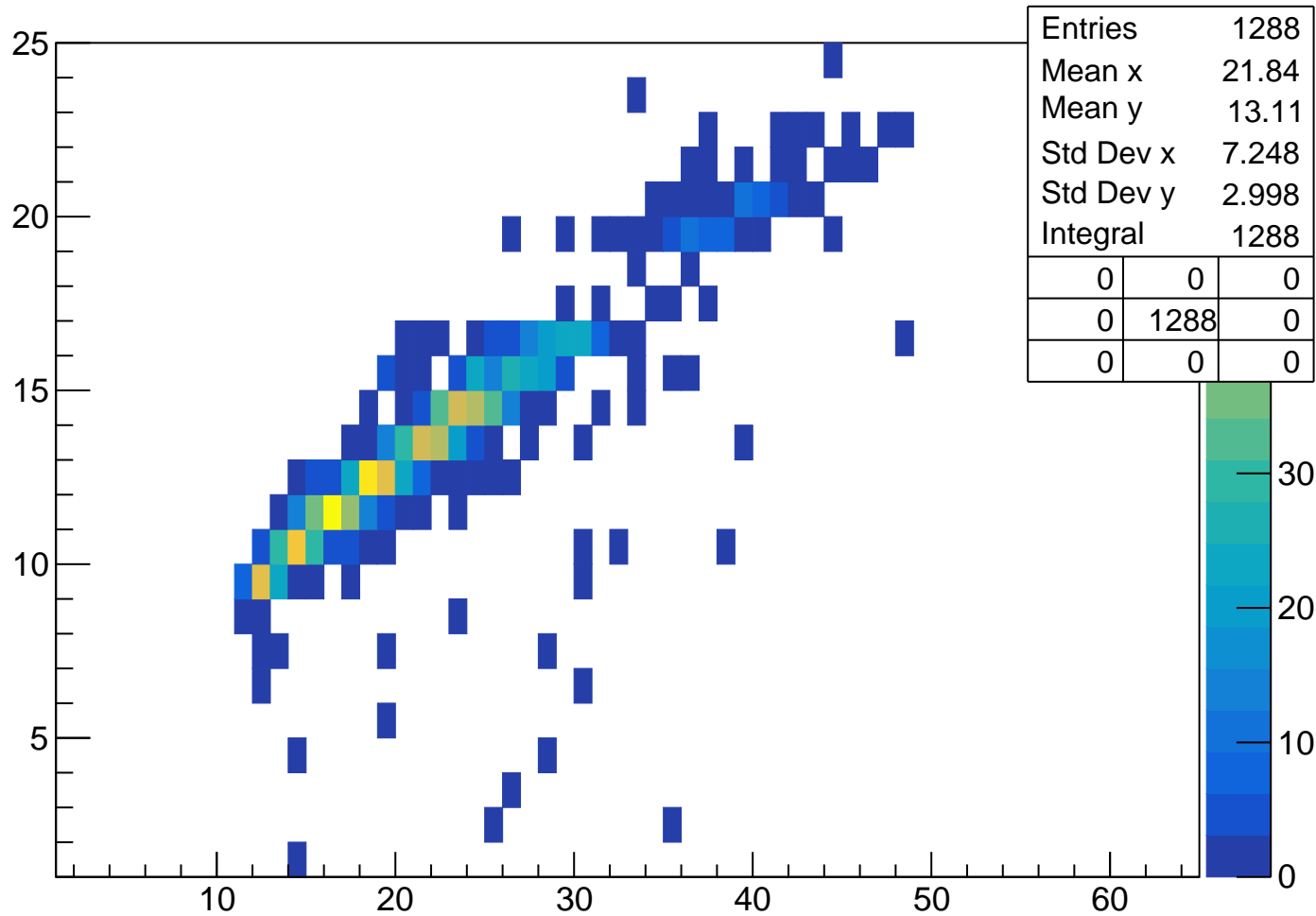
vpy[1] vs vpx[1]      Cut3 1.6<pKurama[0]<1.8



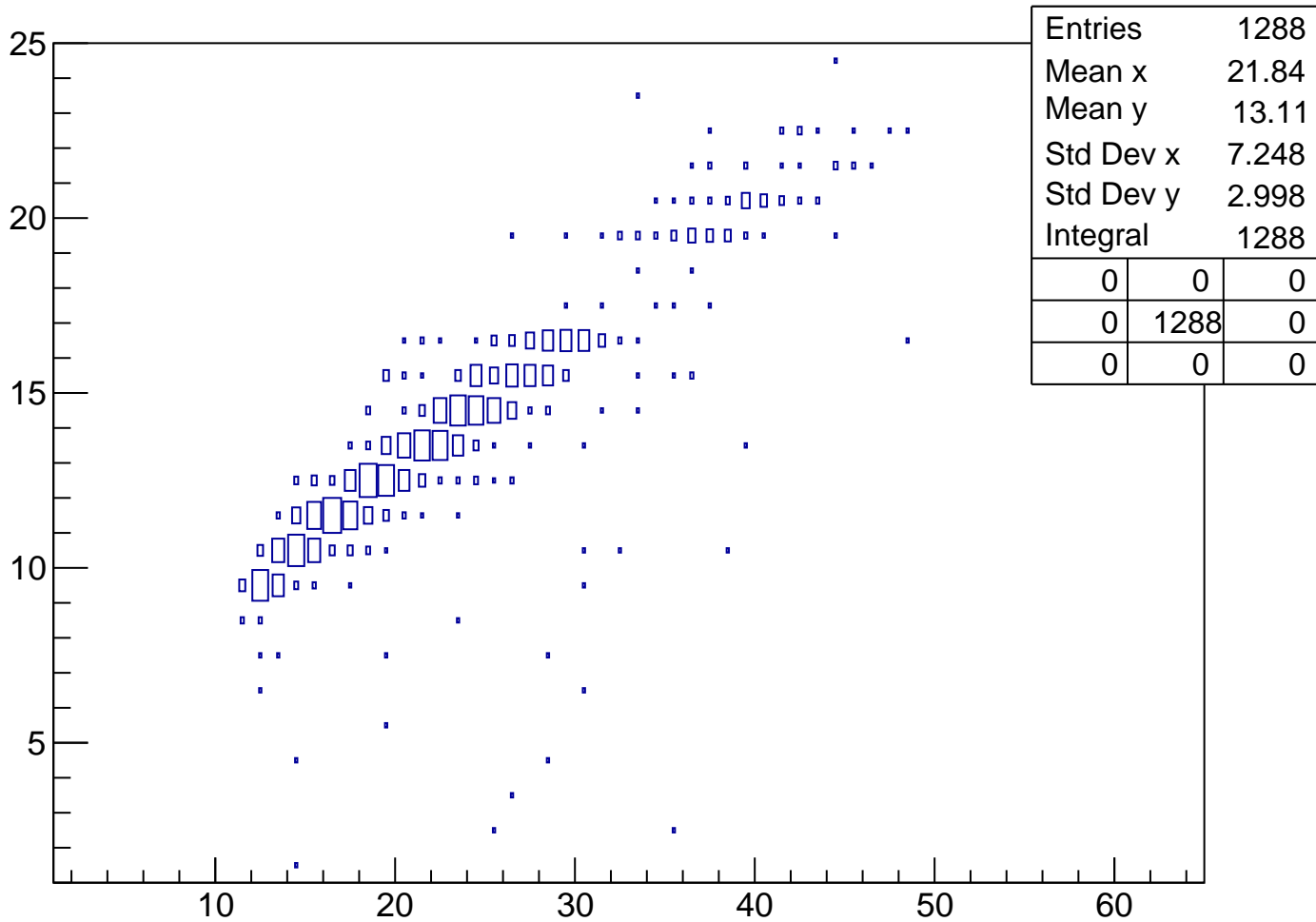
vpy[1] vs vpx[1]      Cut3 1.6<pKurama[0]<1.8



TofSeg[0] vs vpseg[1] Cut3 1.6<pKurama[0]<1.8

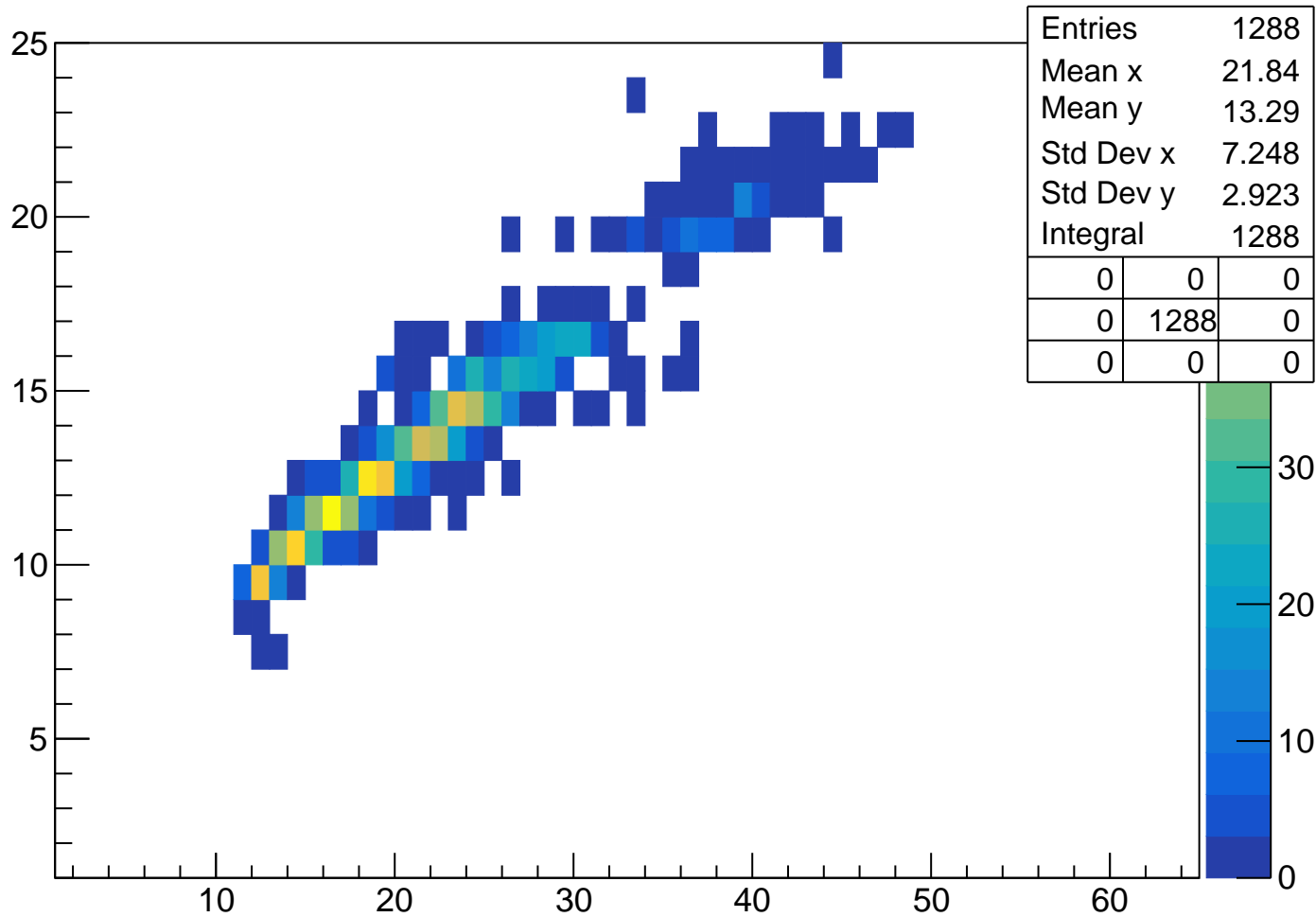


TofSeg[0] vs vpseg[1] Cut3 1.6<pKurama[0]<1.8

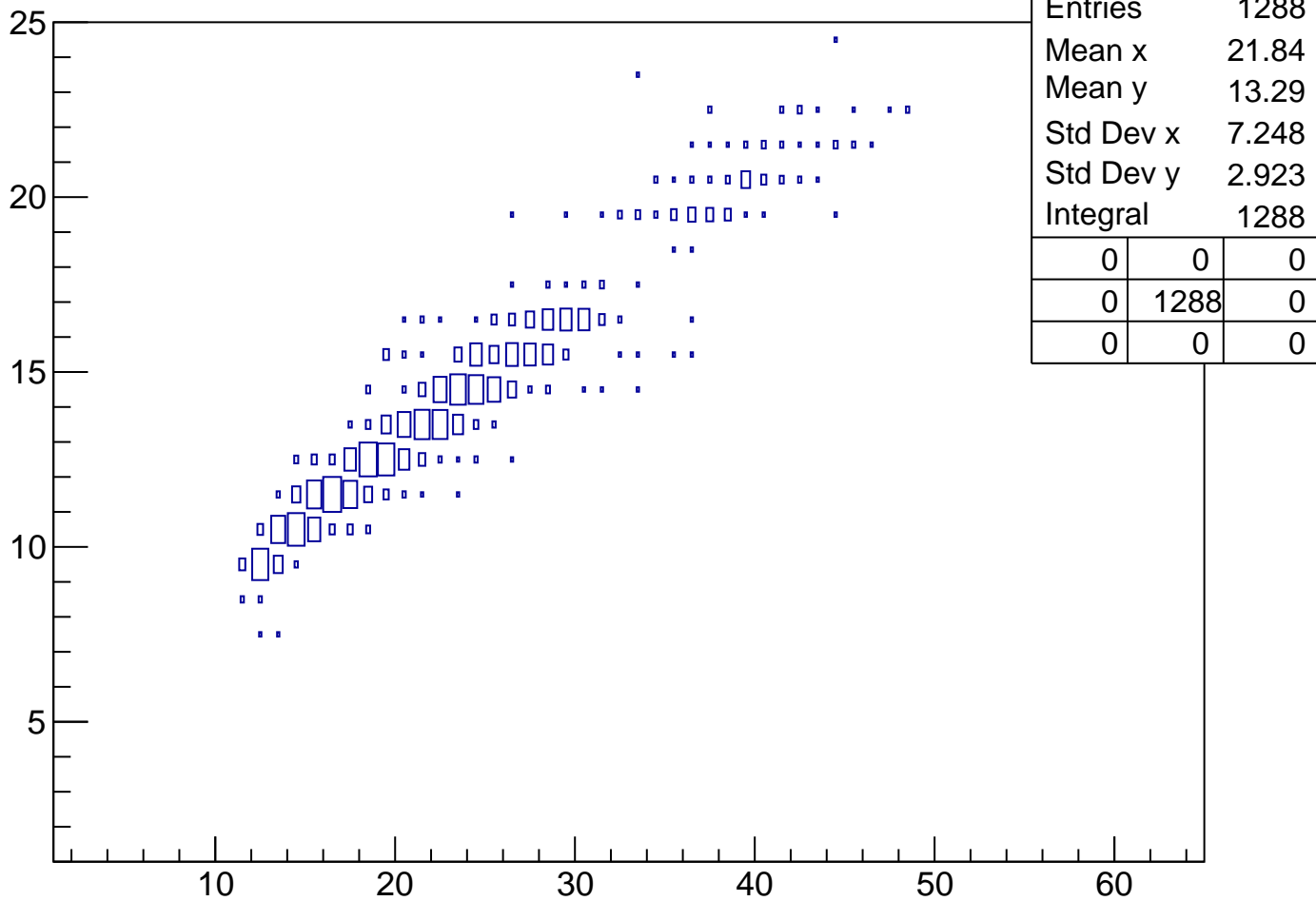




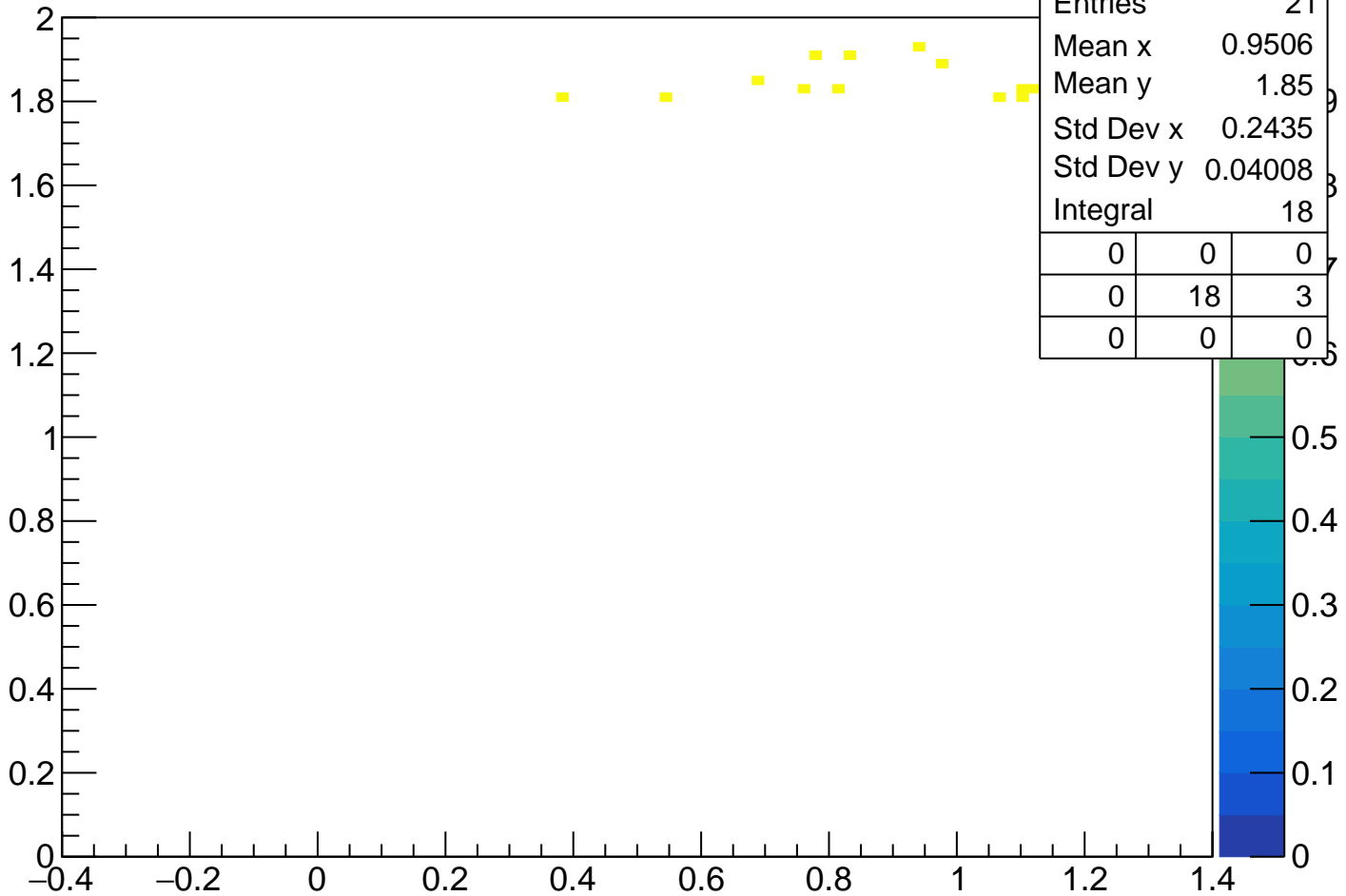
tofsegKurama[0] vs vpseg[1] Cut3 1.6<pKurama[0]<1.8



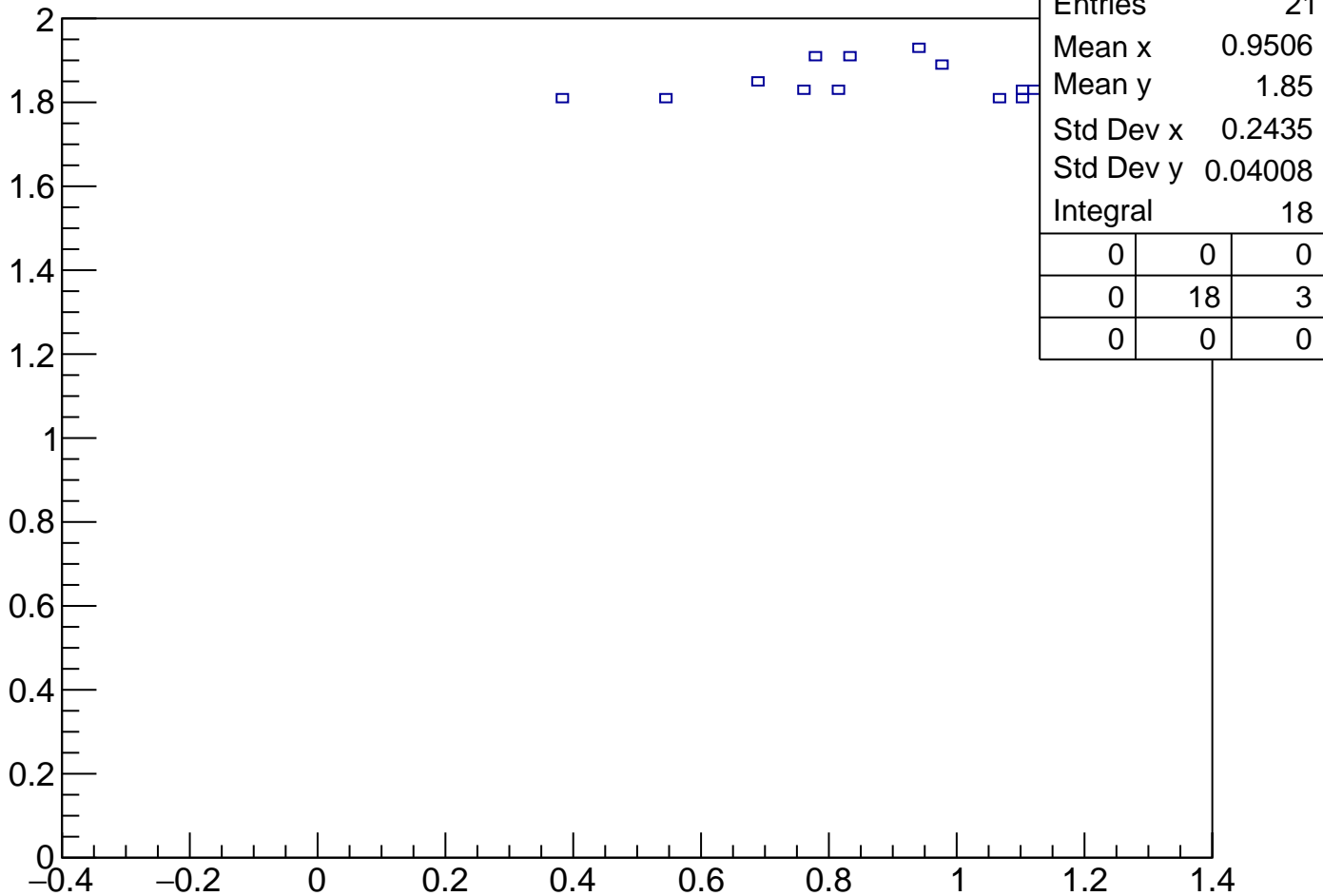
tofsegKurama[0] vs vpseg[1] Cut3 1.6<pKurama[0]<1.8



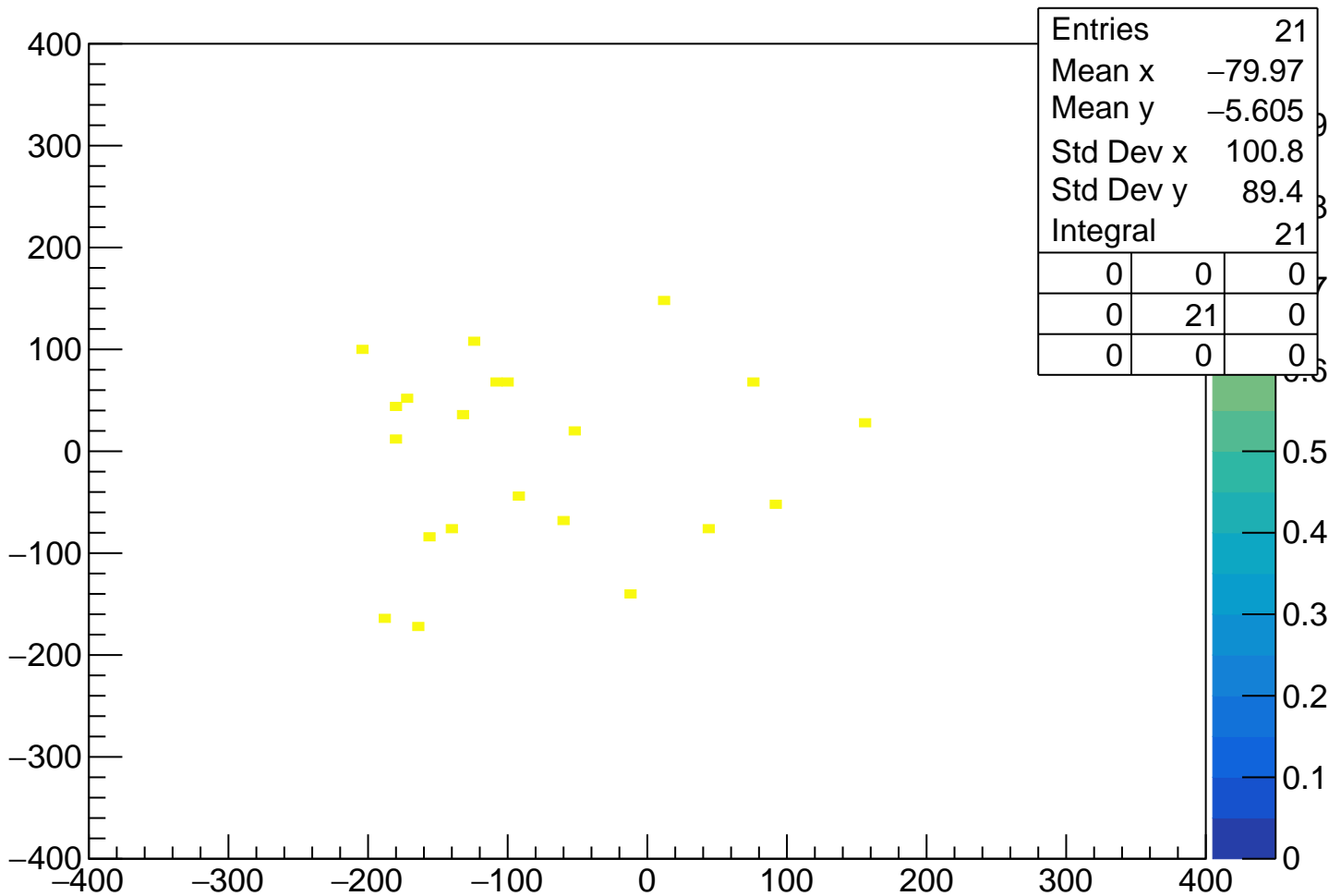
# pKurama vs m2 Cut3 1.8<pKurama[0]<2



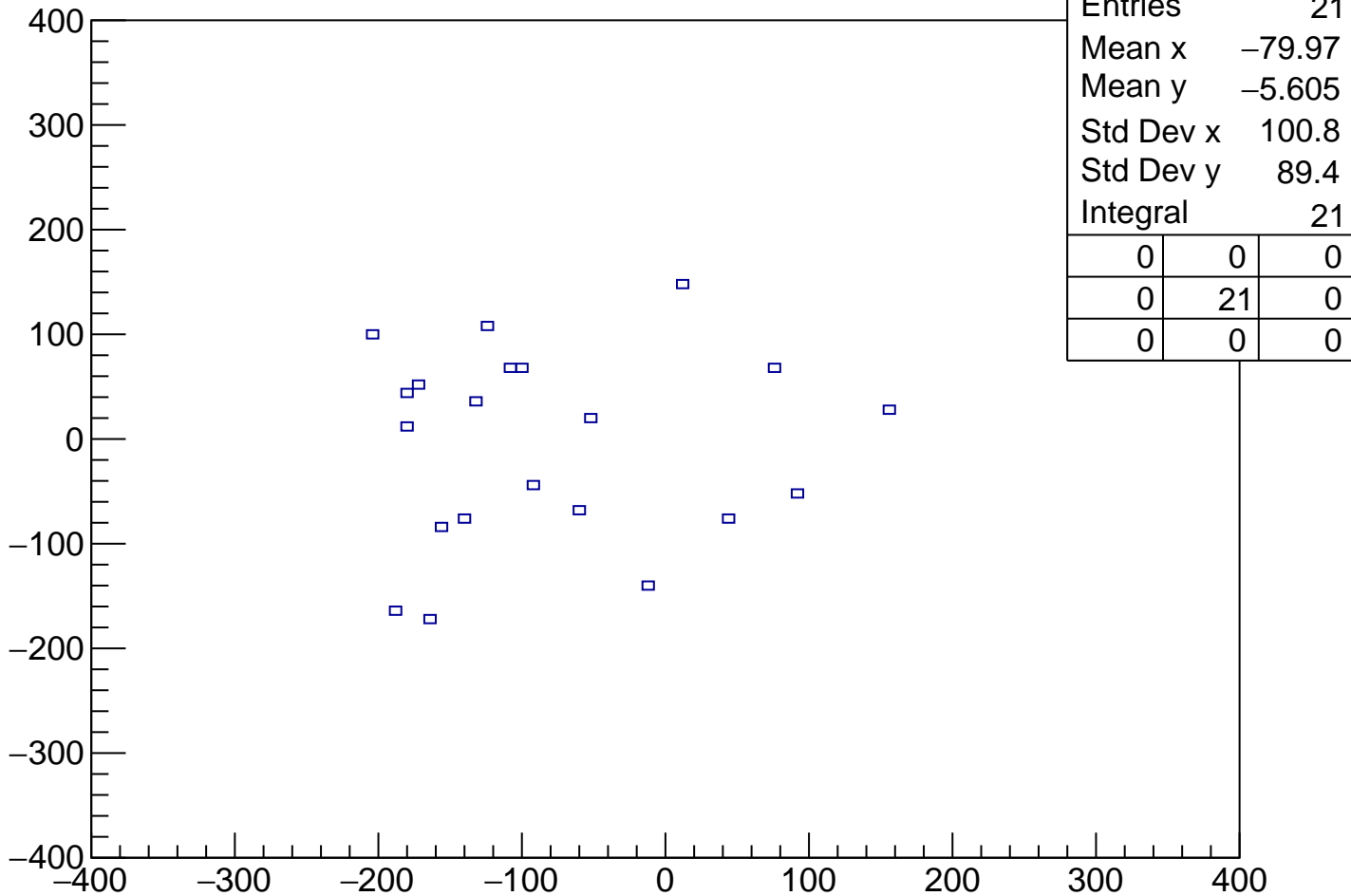
# pKurama vs m2 Cut3 $1.8 < \text{pKurama}[0] < 2$



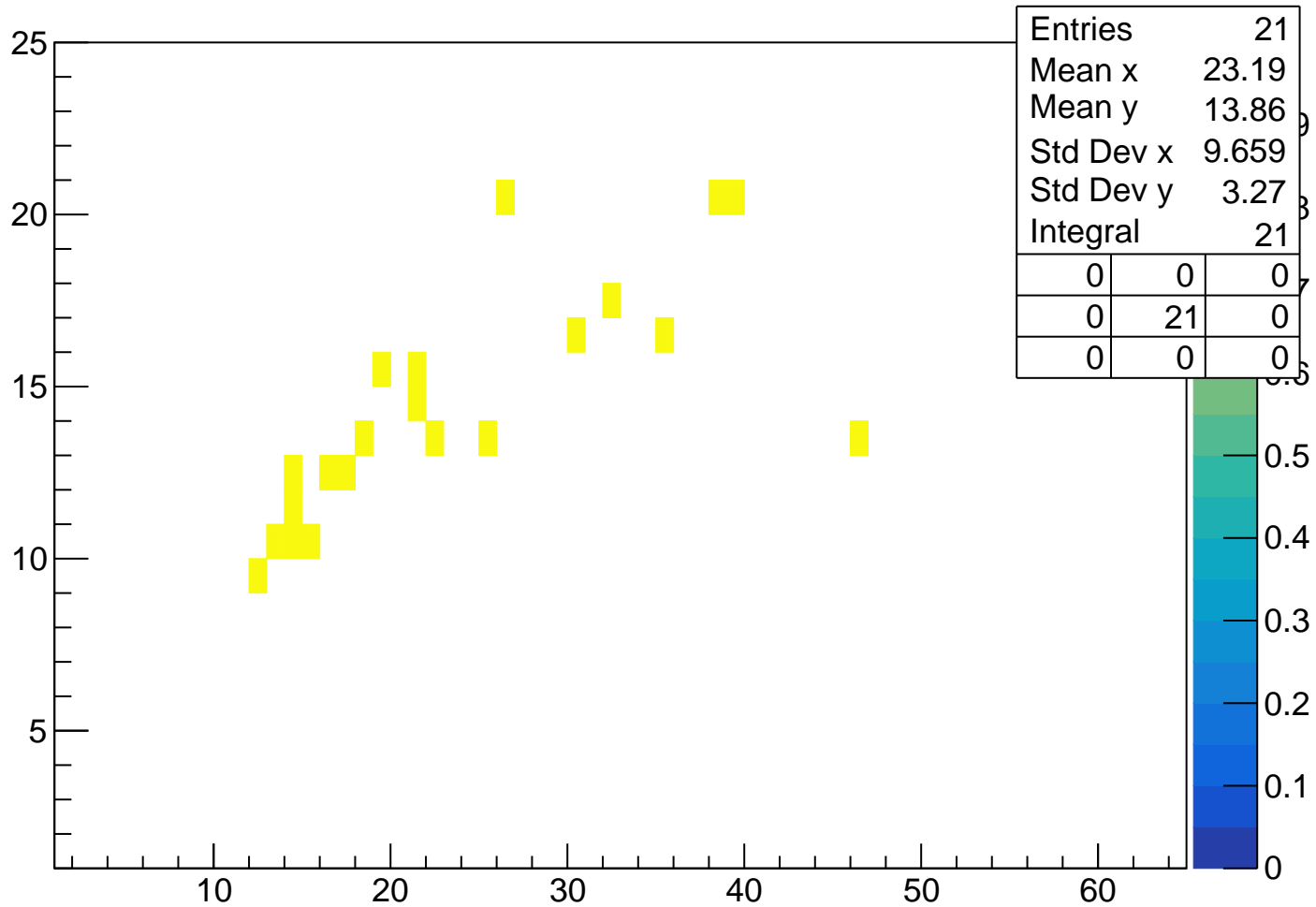
vpy[1] vs vpx[1]      Cut3 1.8<pKurama[0]<2



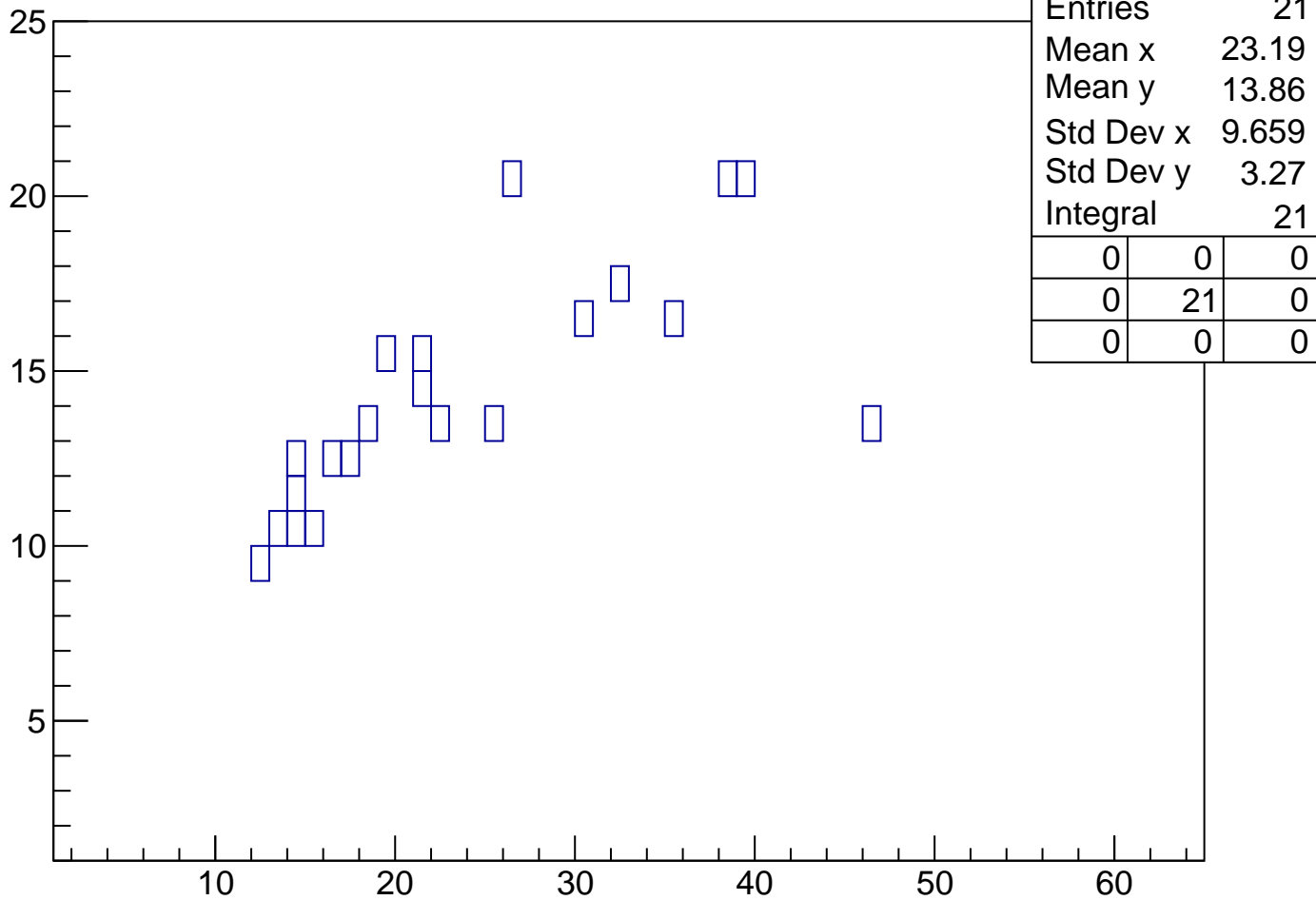
# vpy[1] vs vpx[1]      Cut3 1.8<pKurama[0]<2



TofSeg[0] vs vpseg[1] Cut3 1.8<pKurama[0]<2

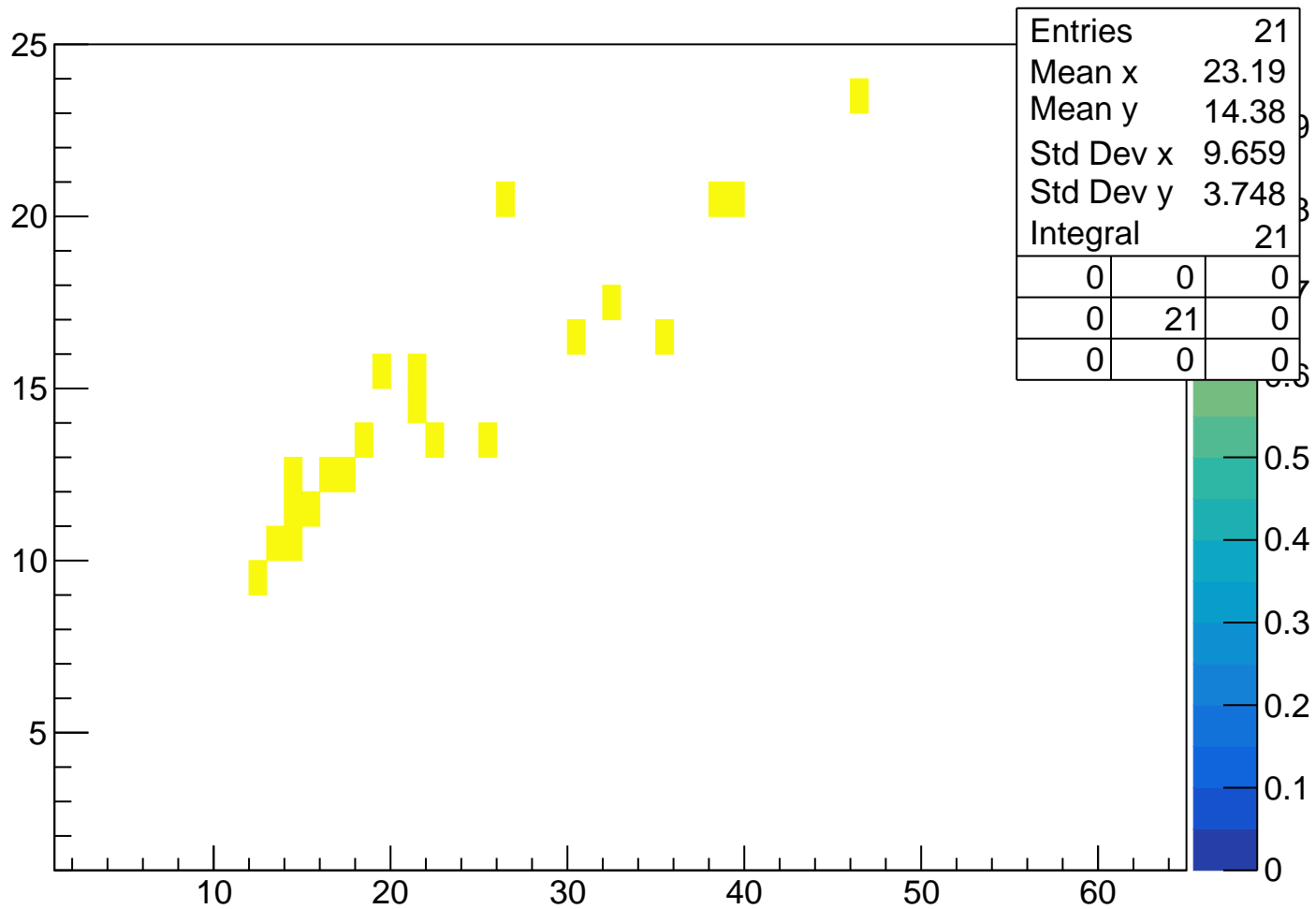


TofSeg[0] vs vpseg[1] Cut3 1.8<pKurama[0]<2

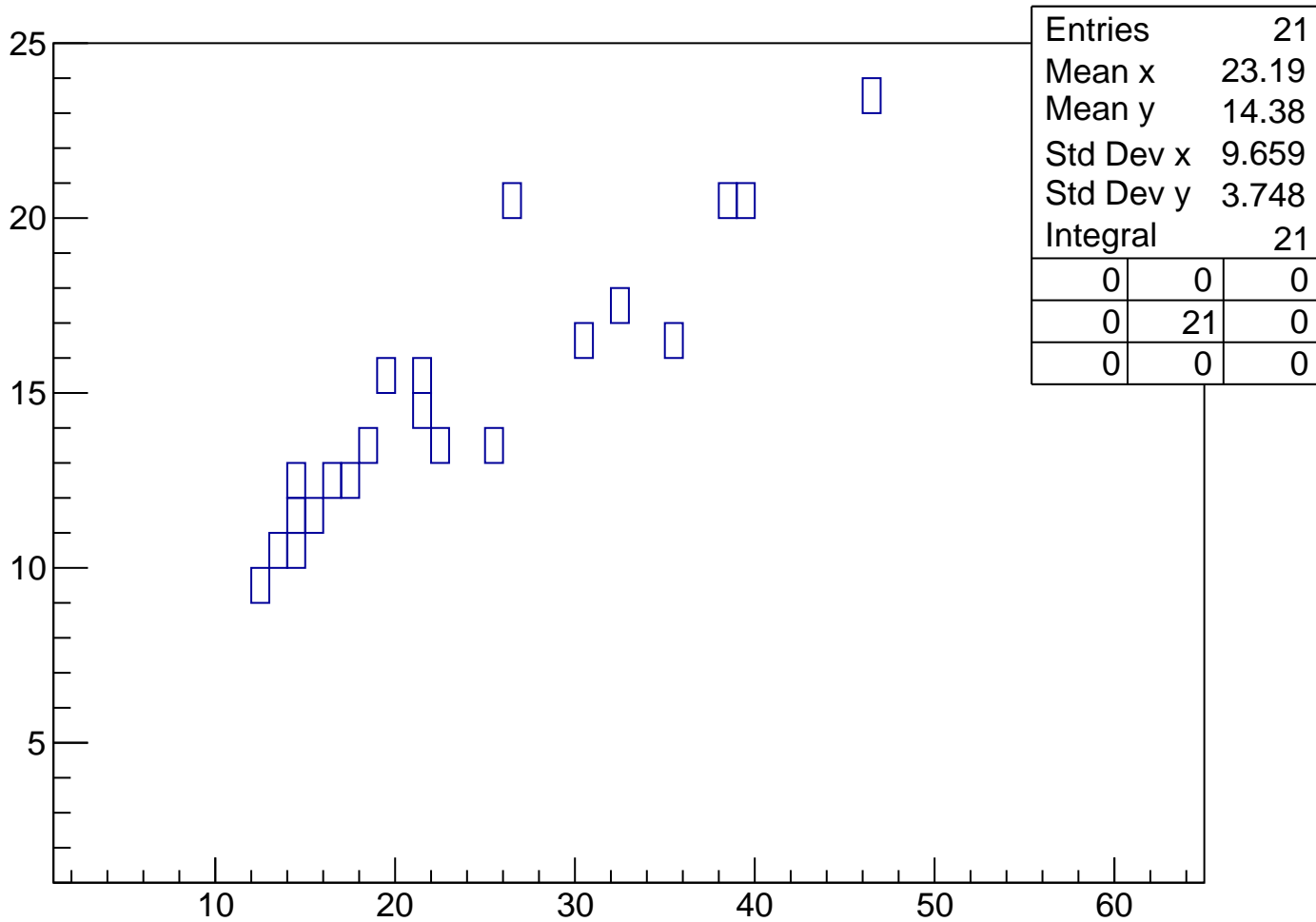




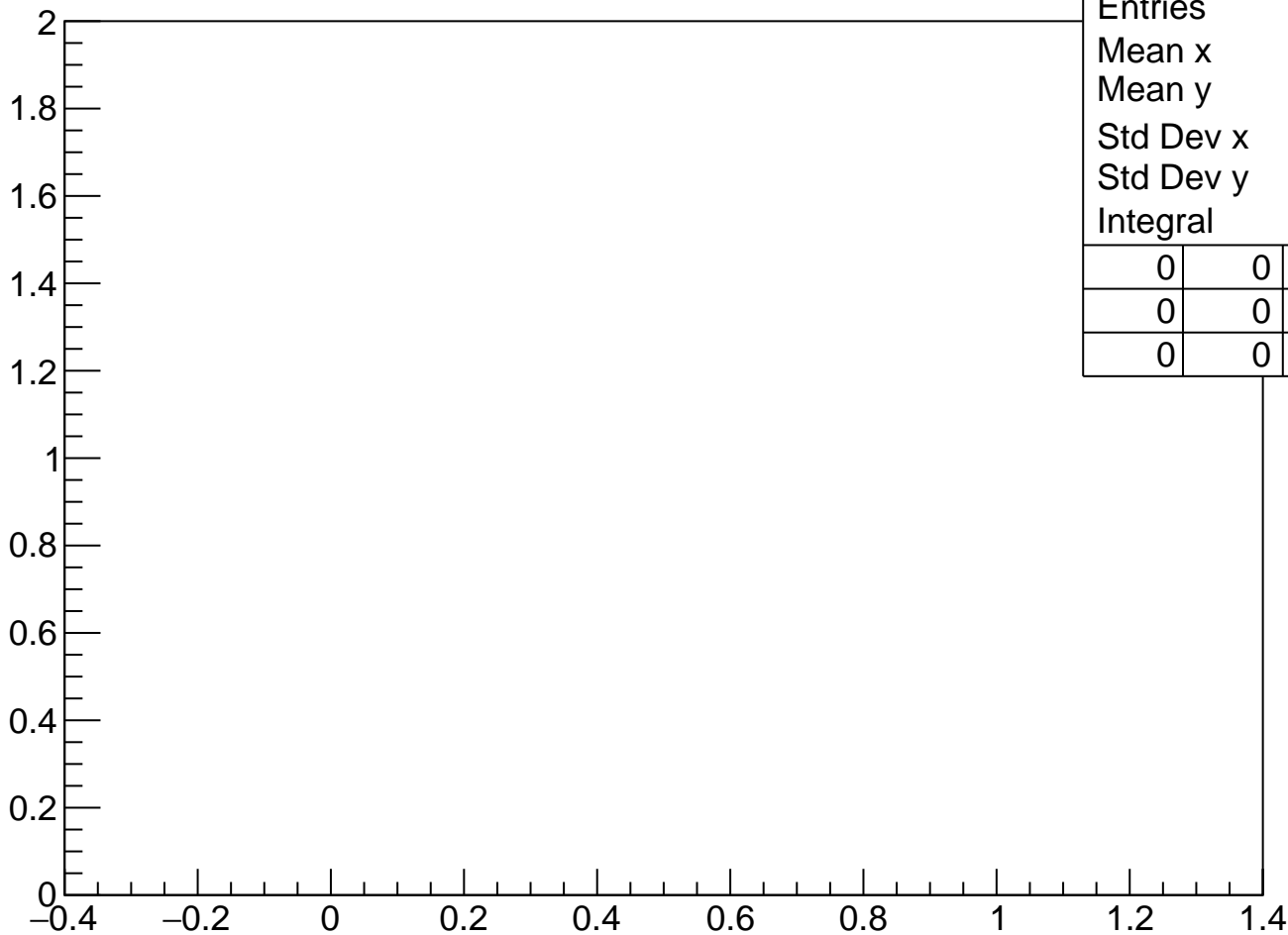
tofsegKurama[0] vs vpseg[1] Cut3 1.8<pKurama[0]<2



tofsegKurama[0] vs vpseg[1] Cut3 1.8<pKurama[0]<2

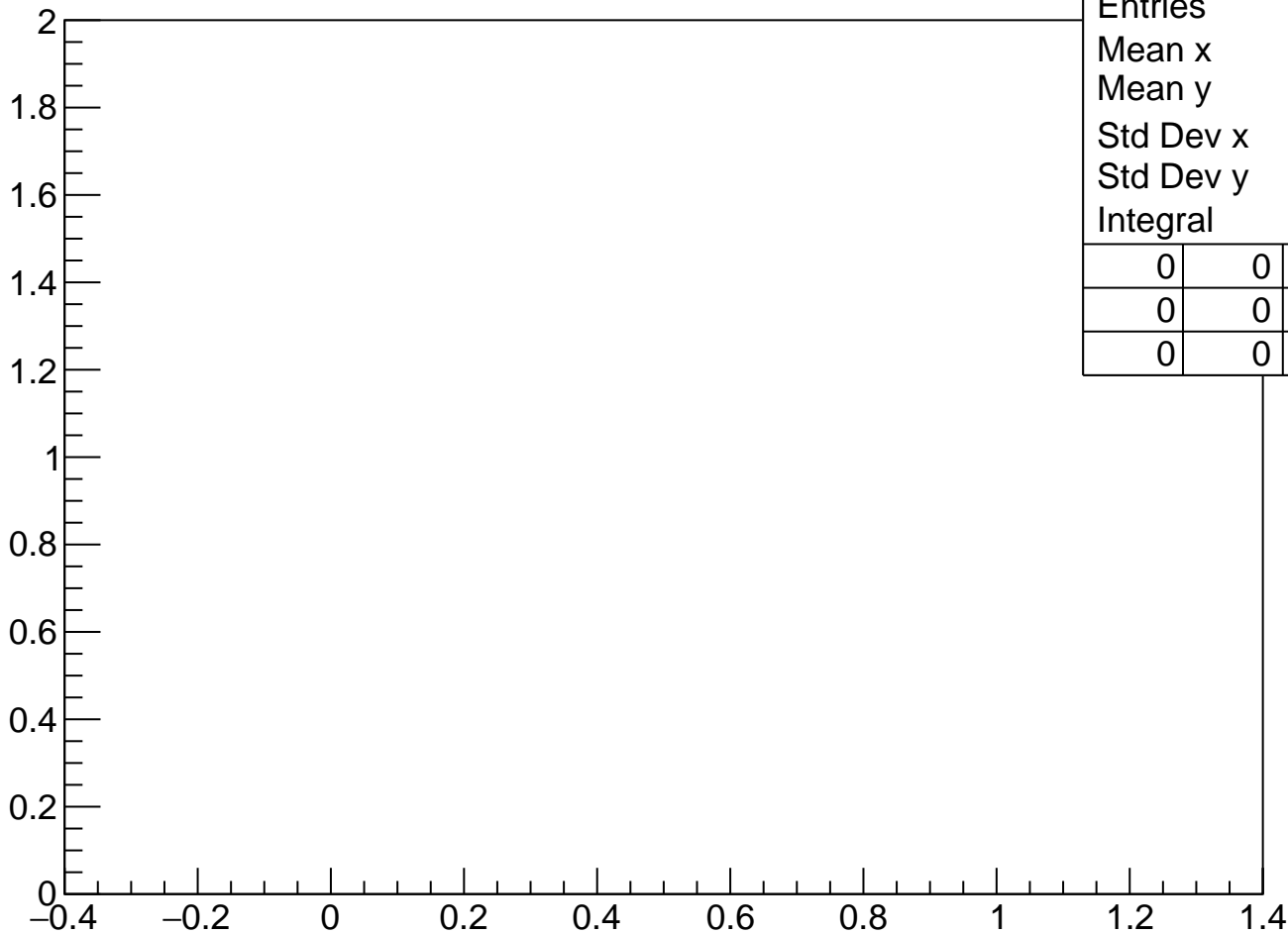


# pKurama vs m2 Cut4 $0 < \text{pKurama}[0] < 0.2$



Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

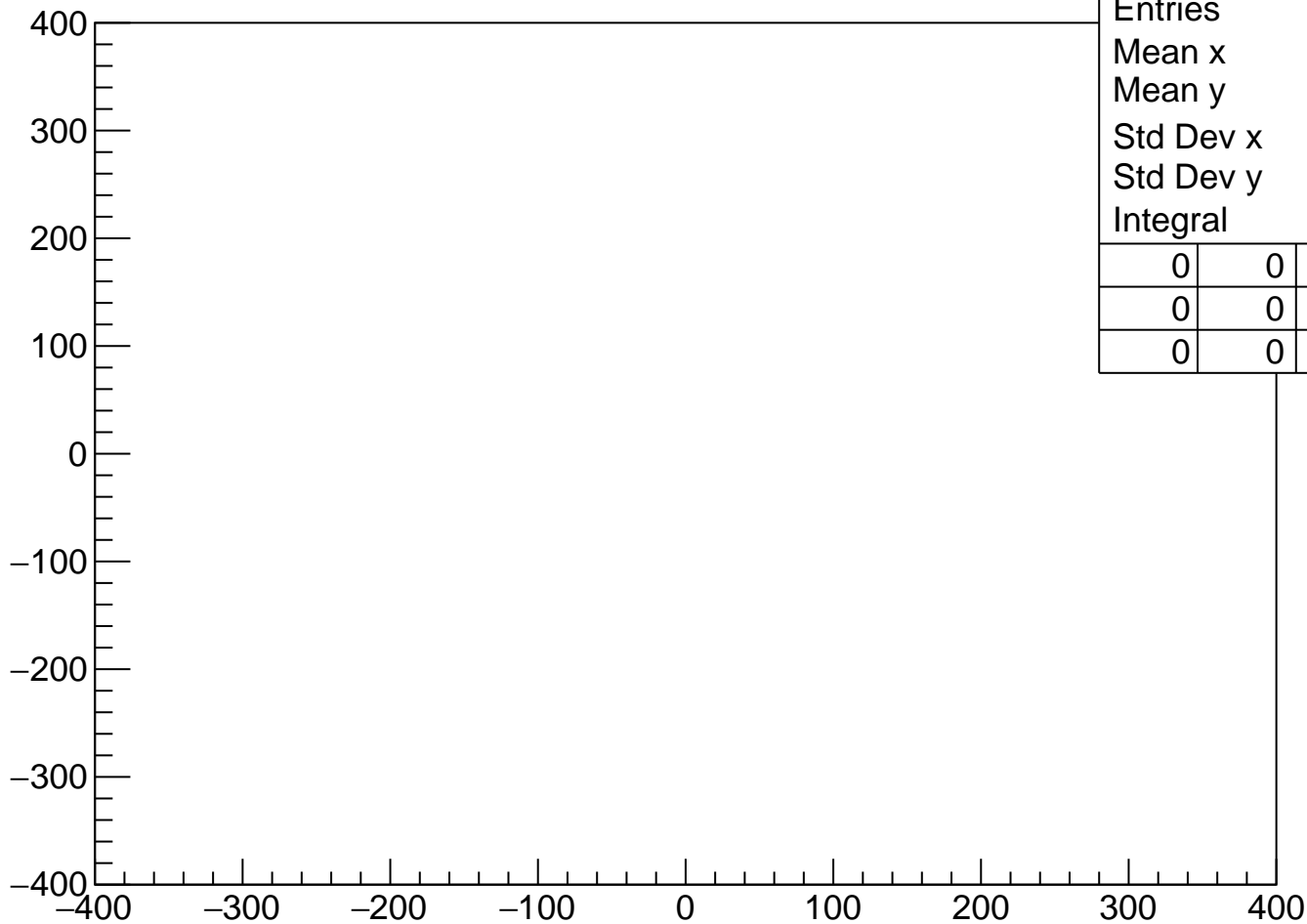
# pKurama vs m2 Cut4 $0 < \text{pKurama}[0] < 0.2$



Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

vpy[1] vs vpx[1]

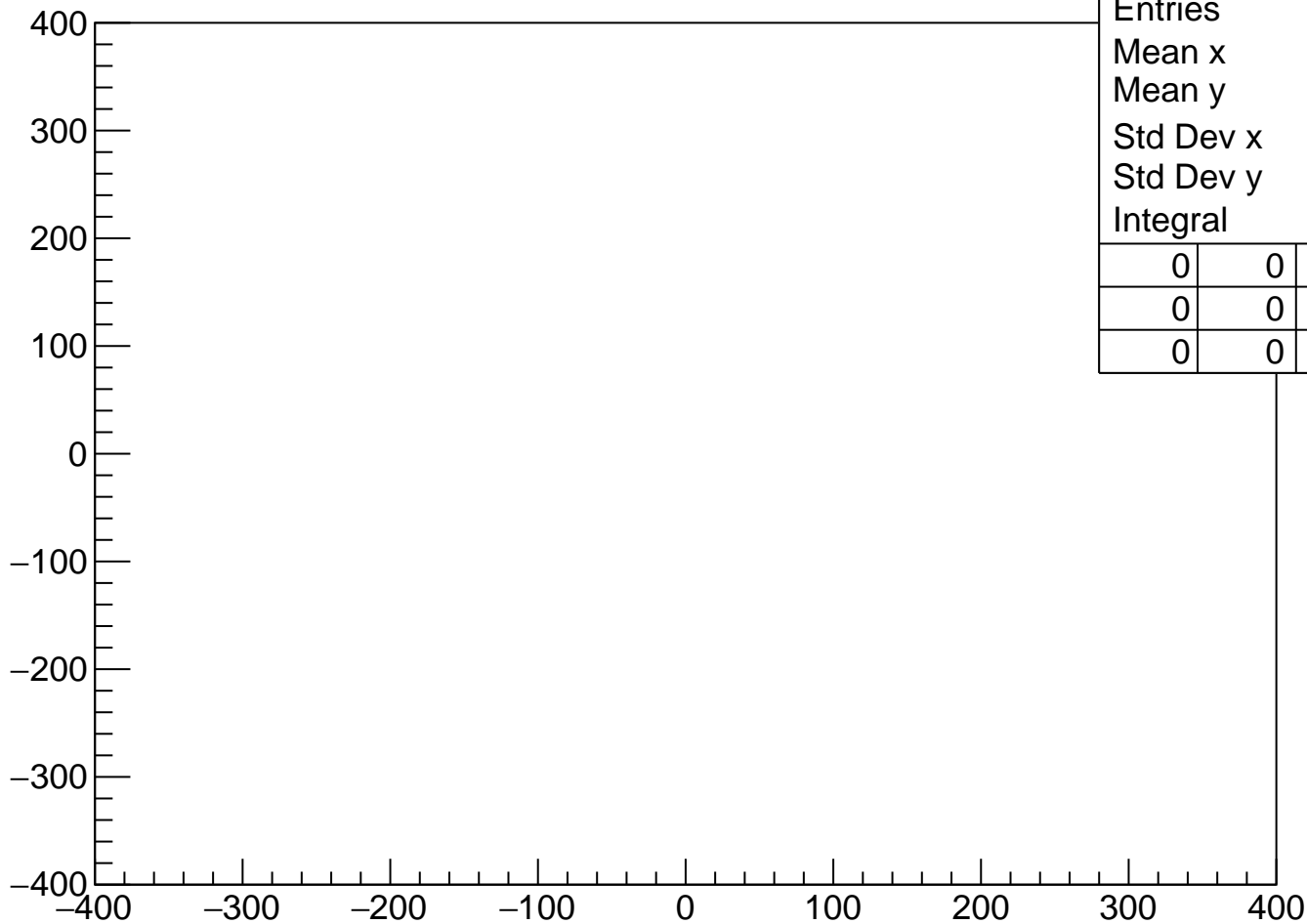
Cut4 0<pKurama[0]<0.2



Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

vpy[1] vs vpx[1]

Cut4 0<pKurama[0]<0.2

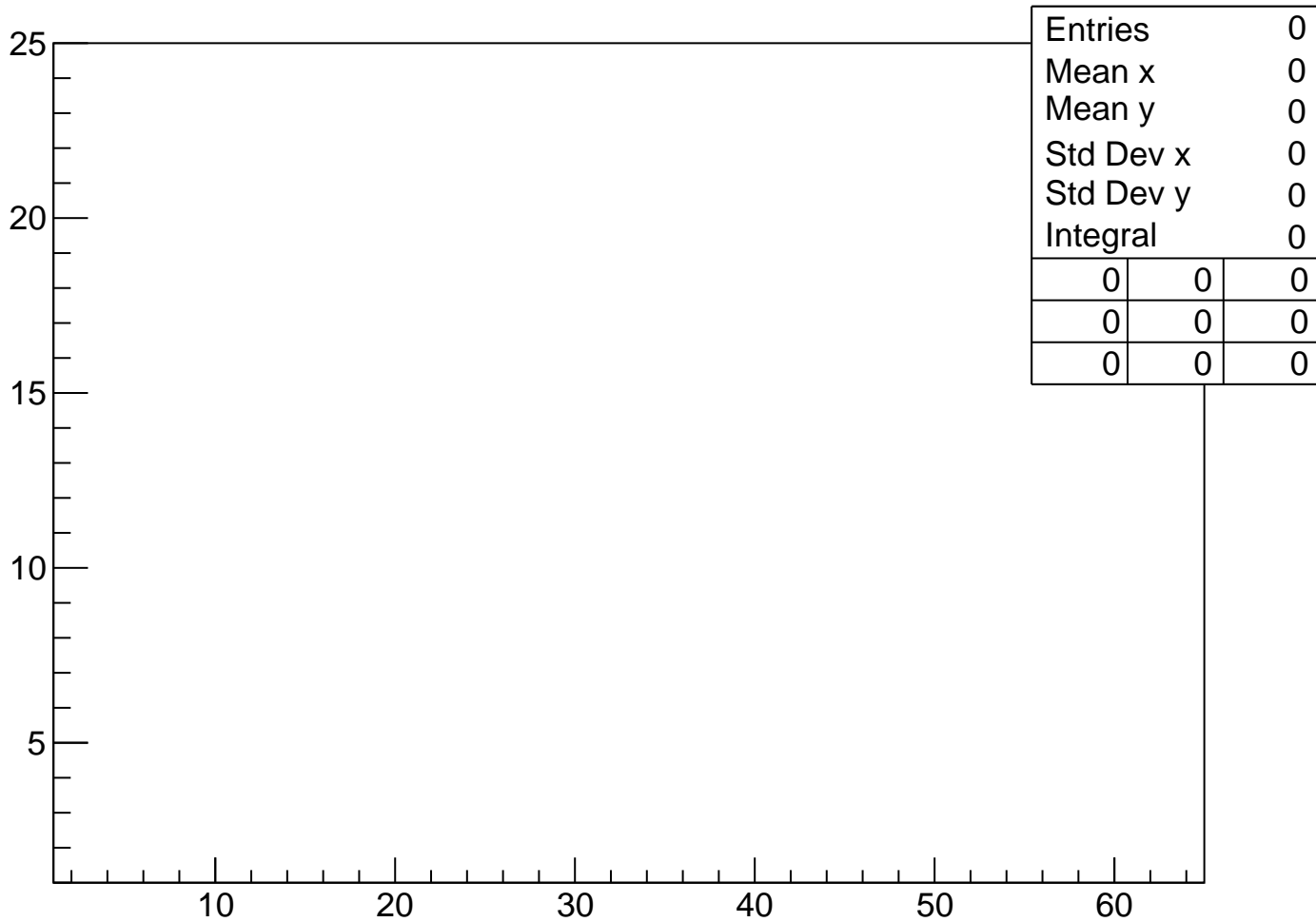


Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
0	0	0	
0	0	0	
0	0	0	

TofSeg[0] vs vpseg[1] Cut4 0<pKurama[0]<0.2

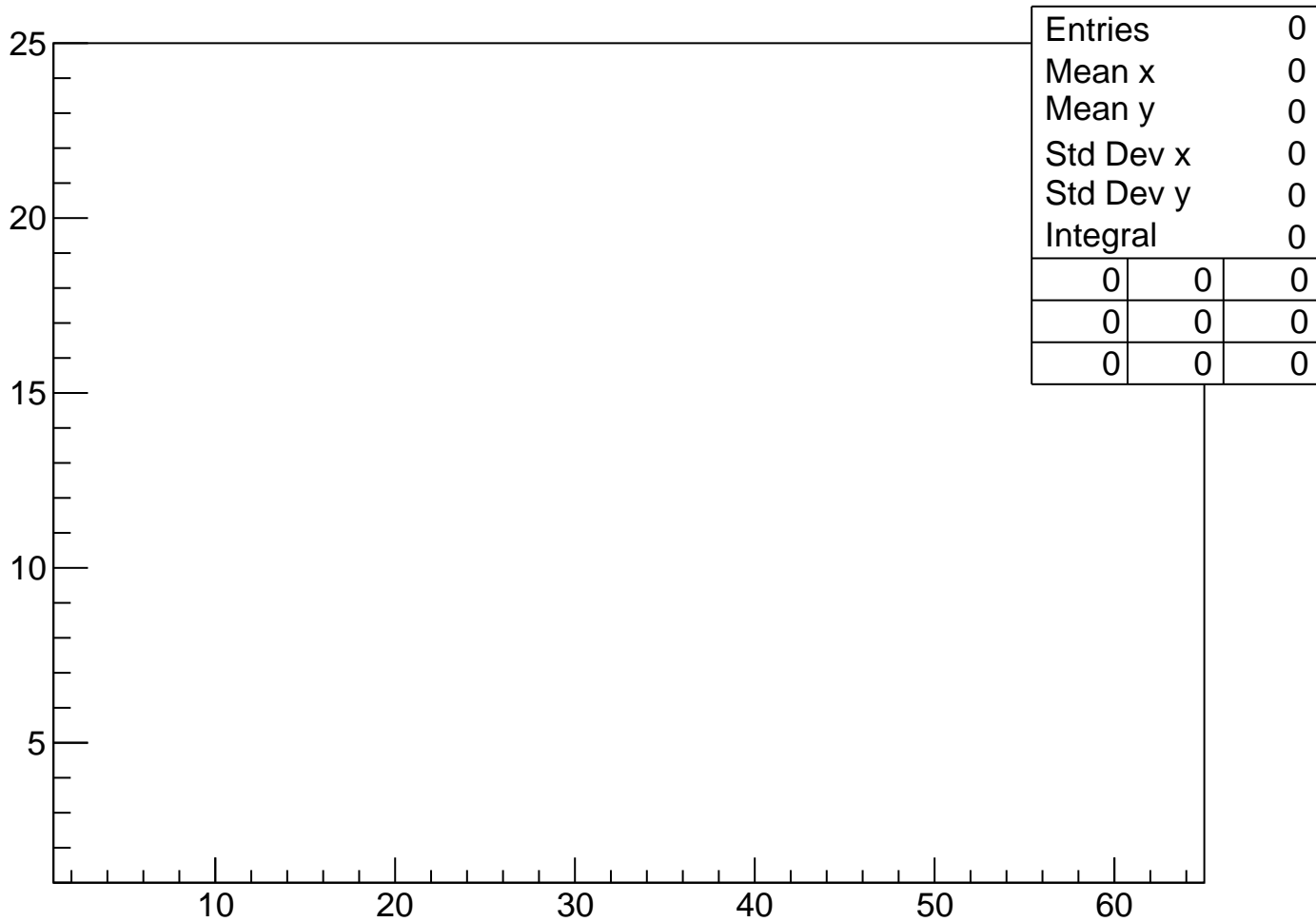


TofSeg[0] vs vpseg[1] Cut4 0<pKurama[0]<0.2

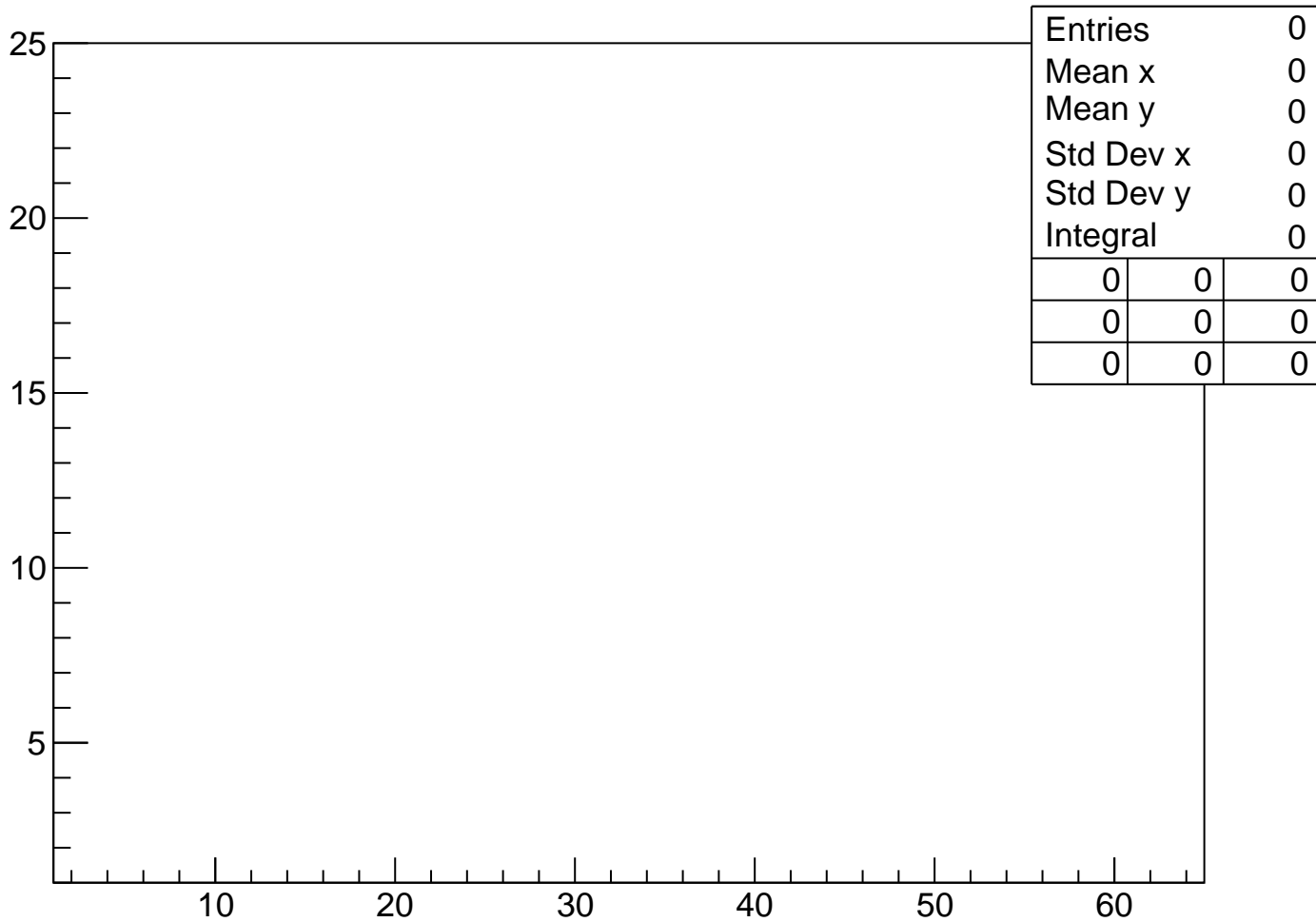




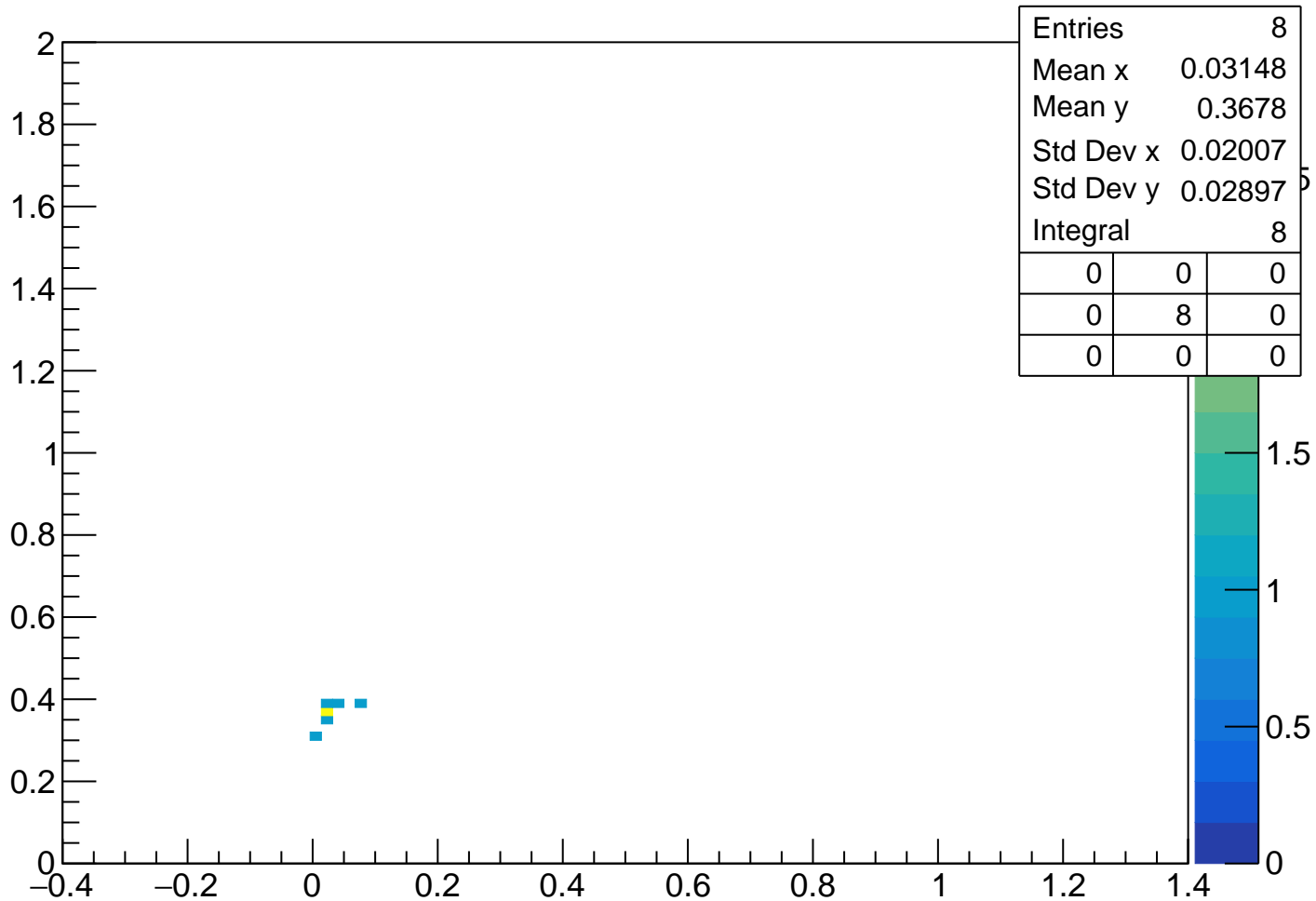
tofsegKurama[0] vs vpseg[1] Cut4 0<pKurama[0]<0.2



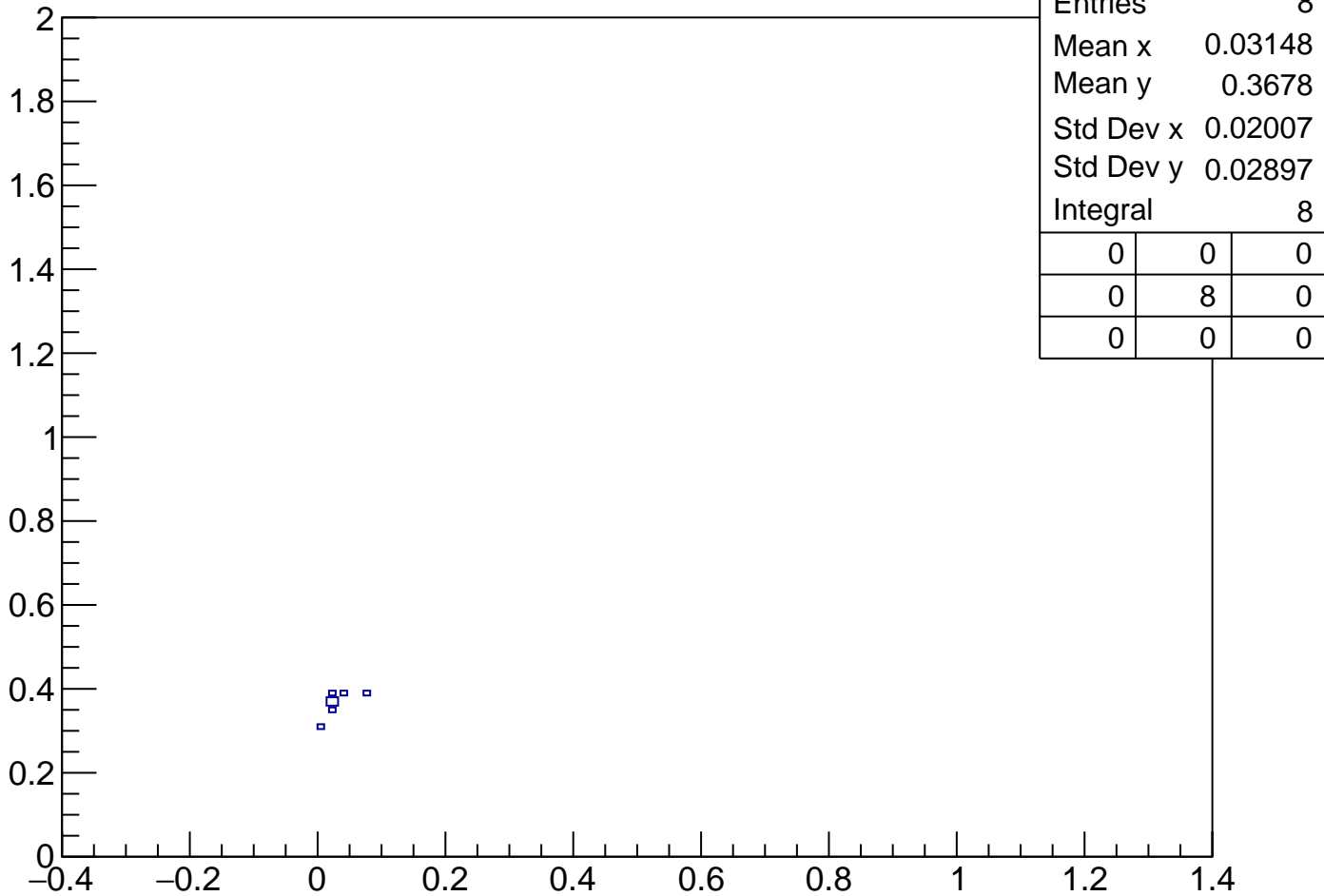
tofsegKurama[0] vs vpseg[1] Cut4 0<pKurama[0]<0.2



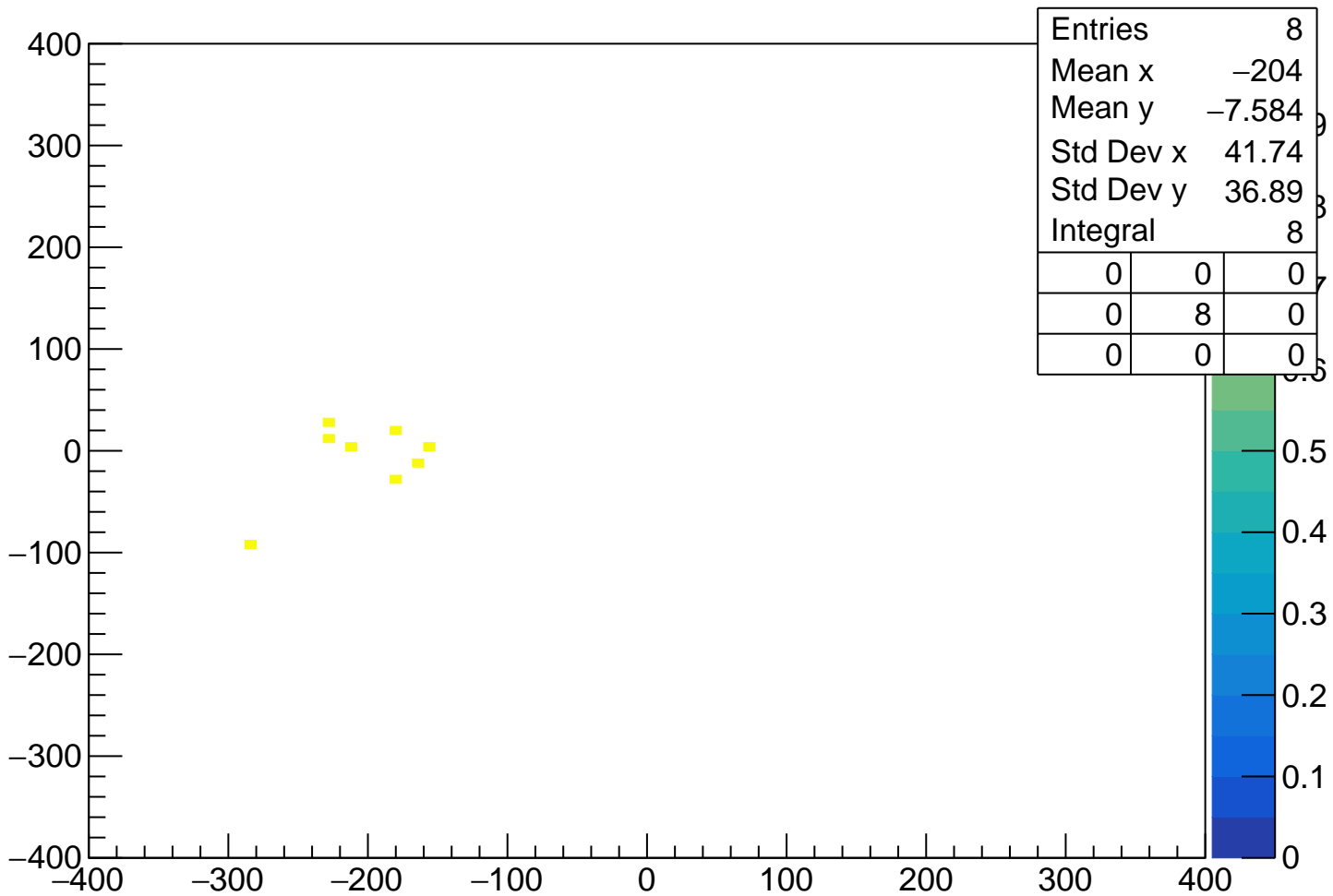
# pKurama vs m2 Cut4 0.2<pKurama[0]<0.4



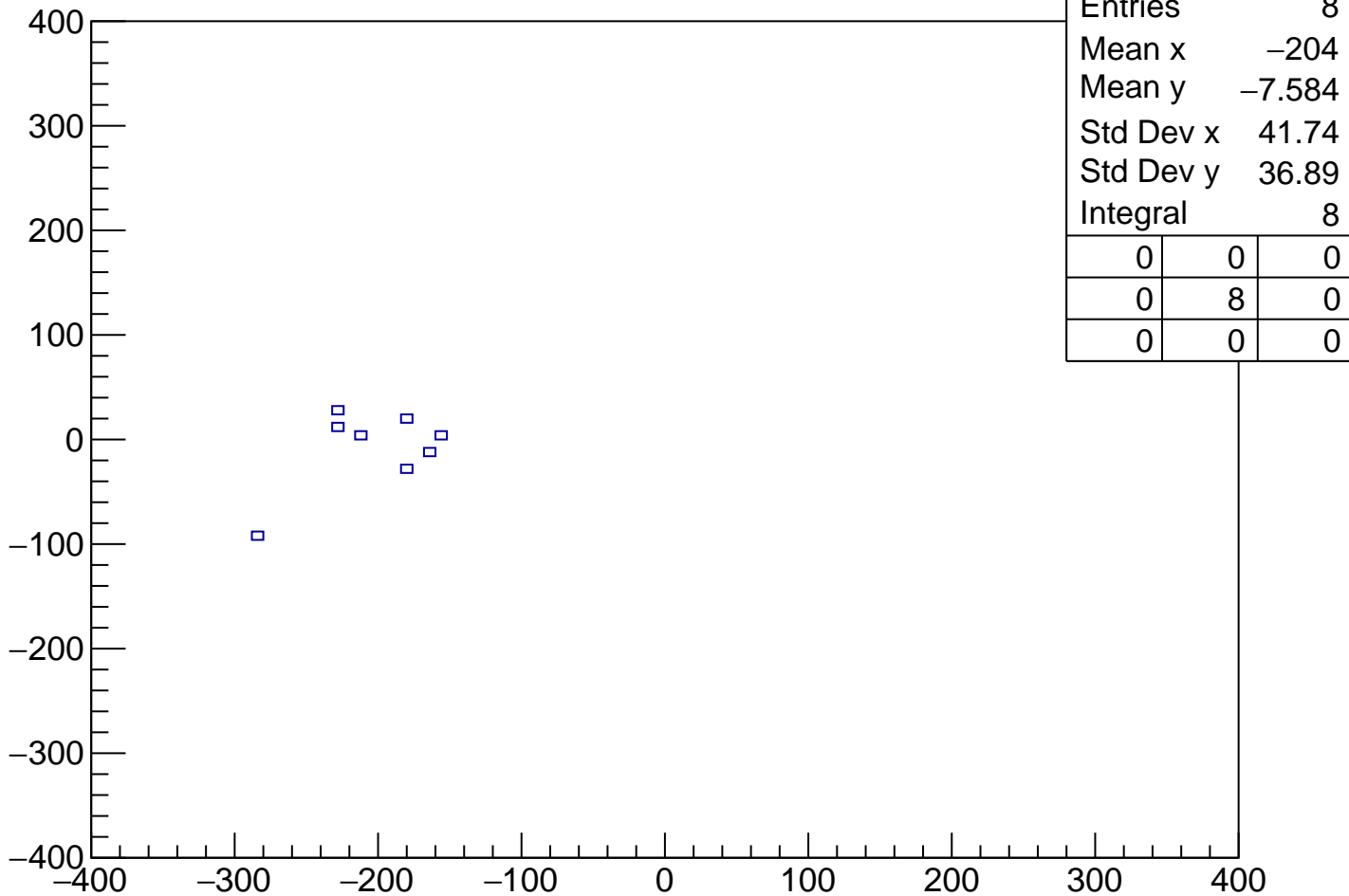
# pKurama vs m2 Cut4 $0.2 < \text{pKurama}[0] < 0.4$



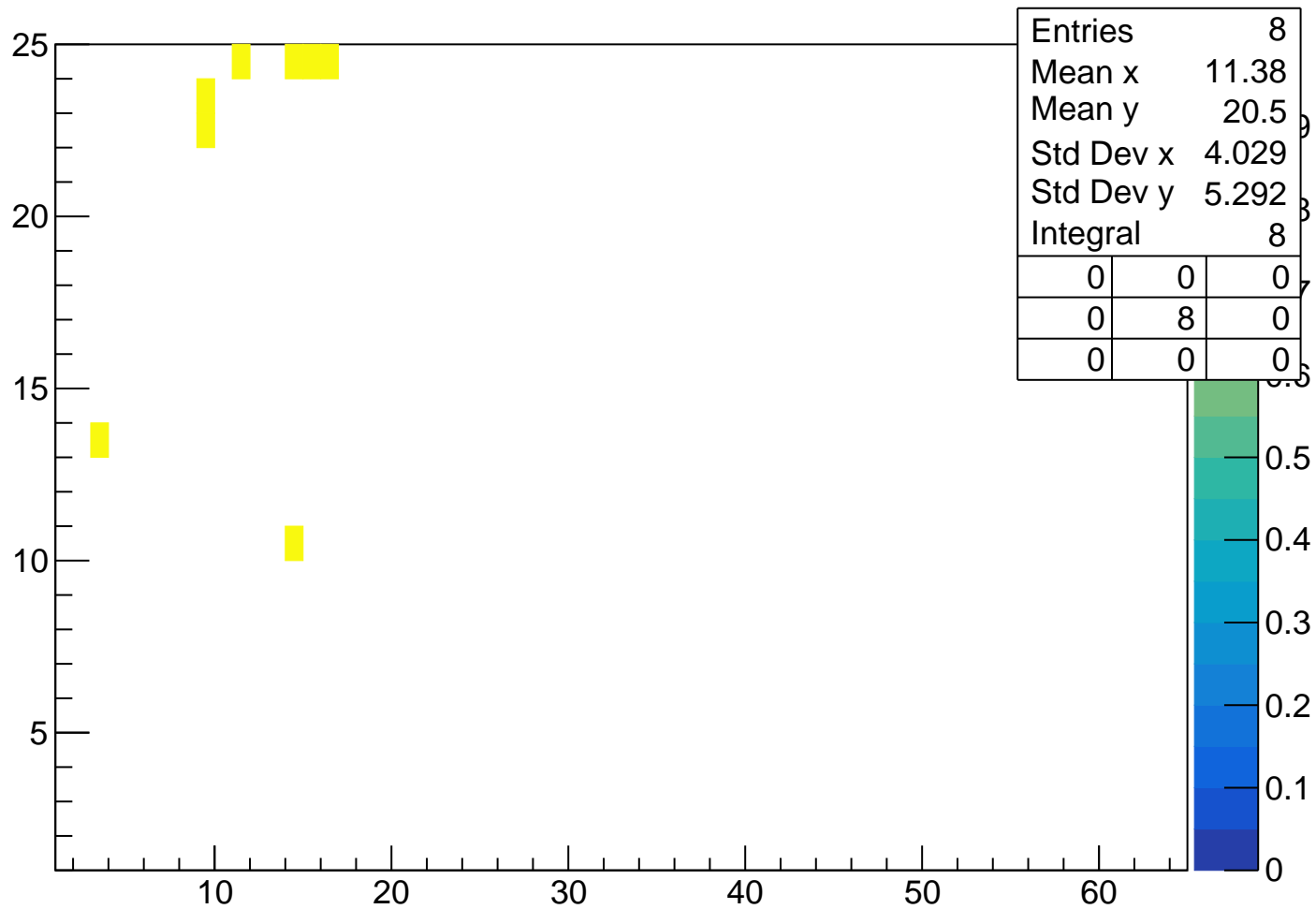
vpy[1] vs vpx[1]      Cut4 0.2<pKurama[0]<0.4



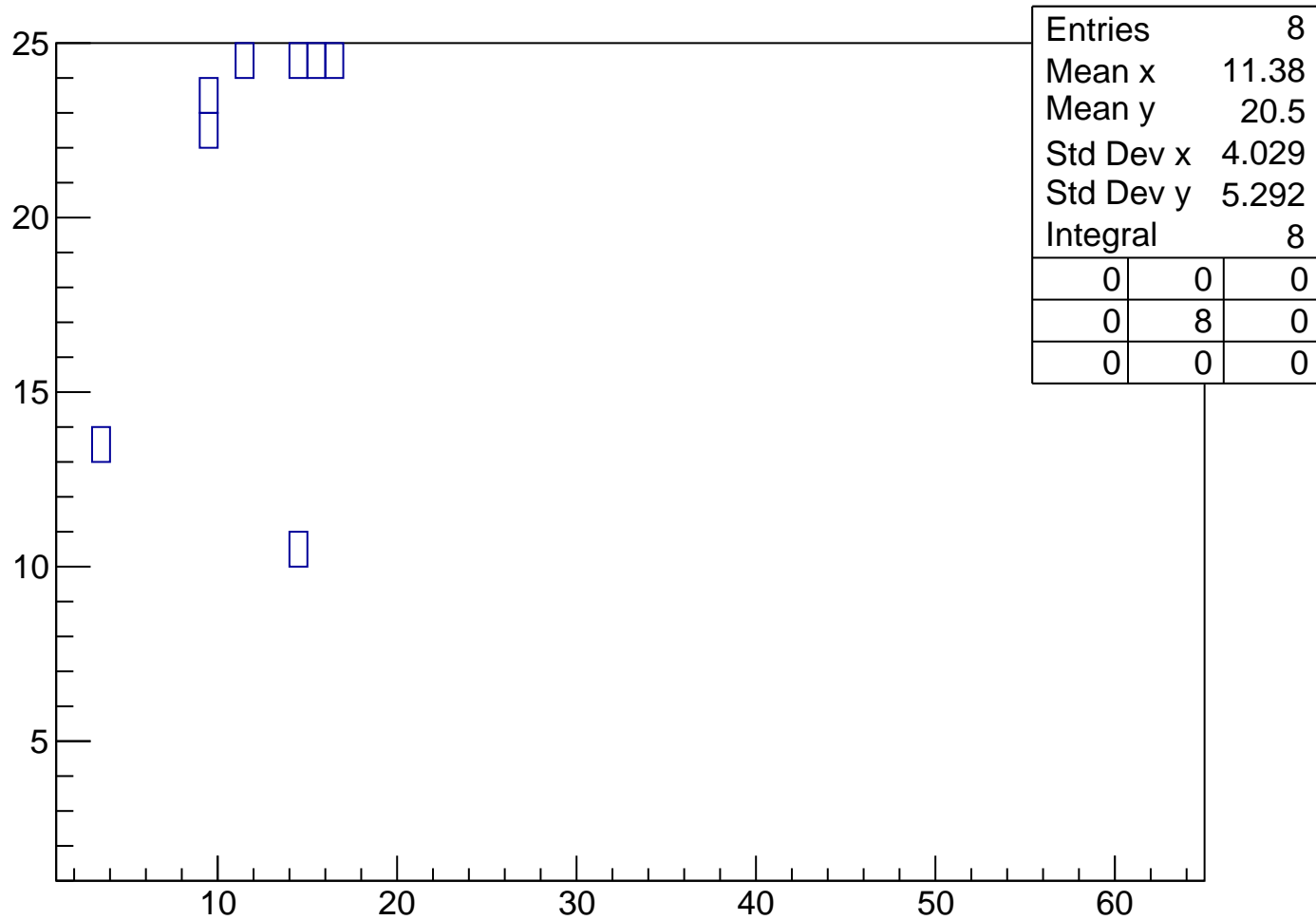
vpy[1] vs vpx[1]      Cut4 0.2<pKurama[0]<0.4



TofSeg[0] vs vpseg[1] Cut4 0.2<pKurama[0]<0.4

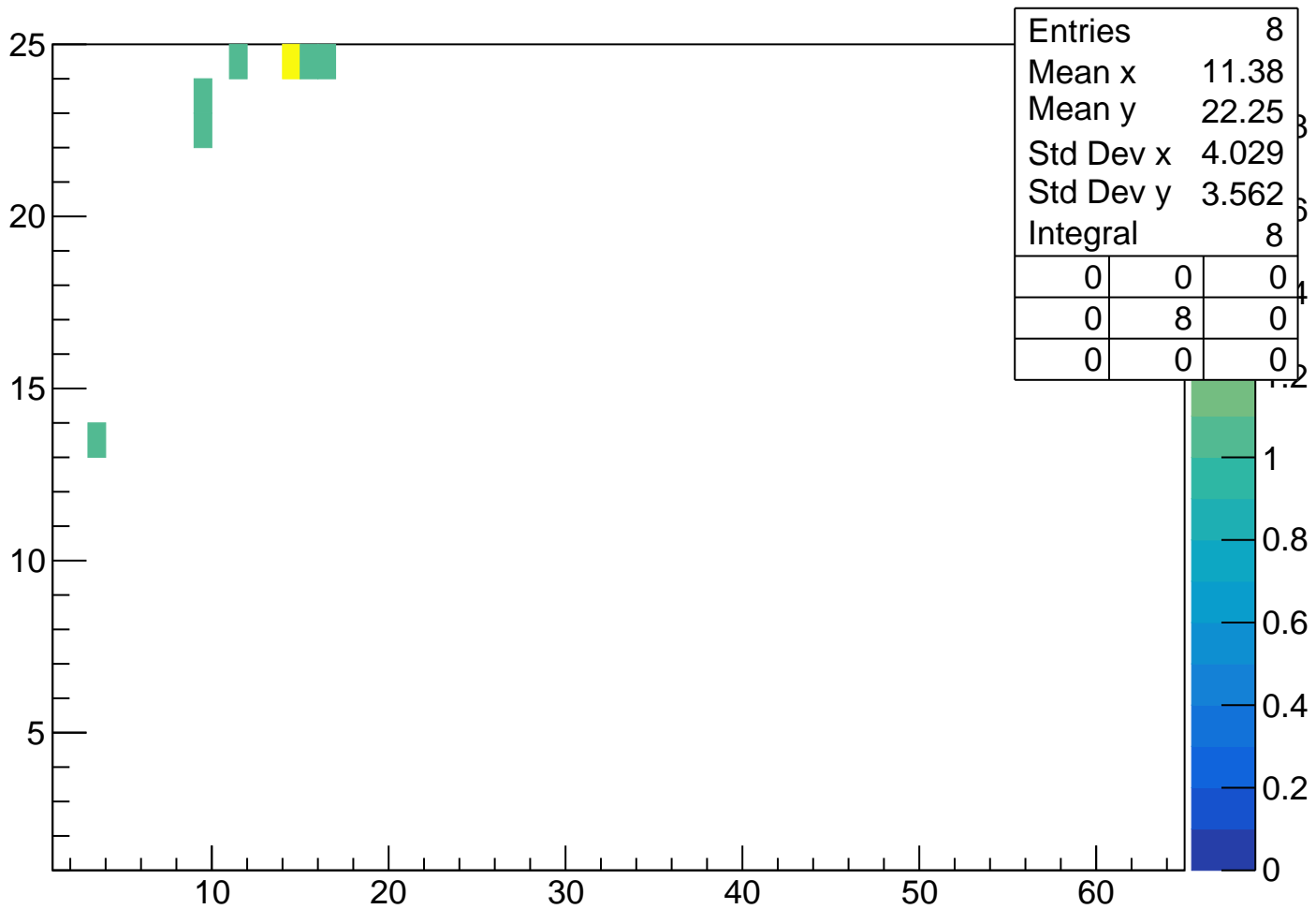


TofSeg[0] vs vpseg[1] Cut4 0.2<pKurama[0]<0.4

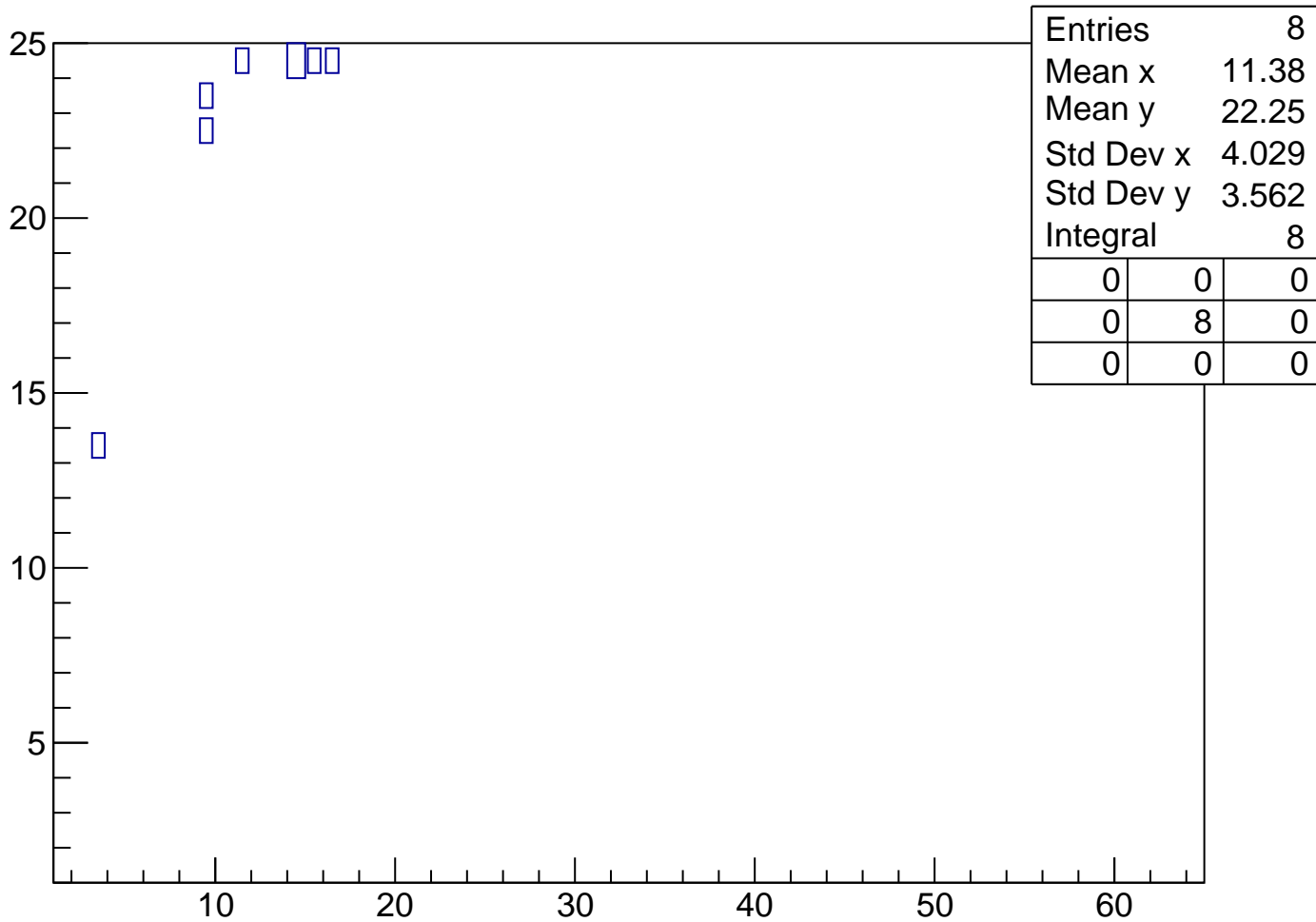




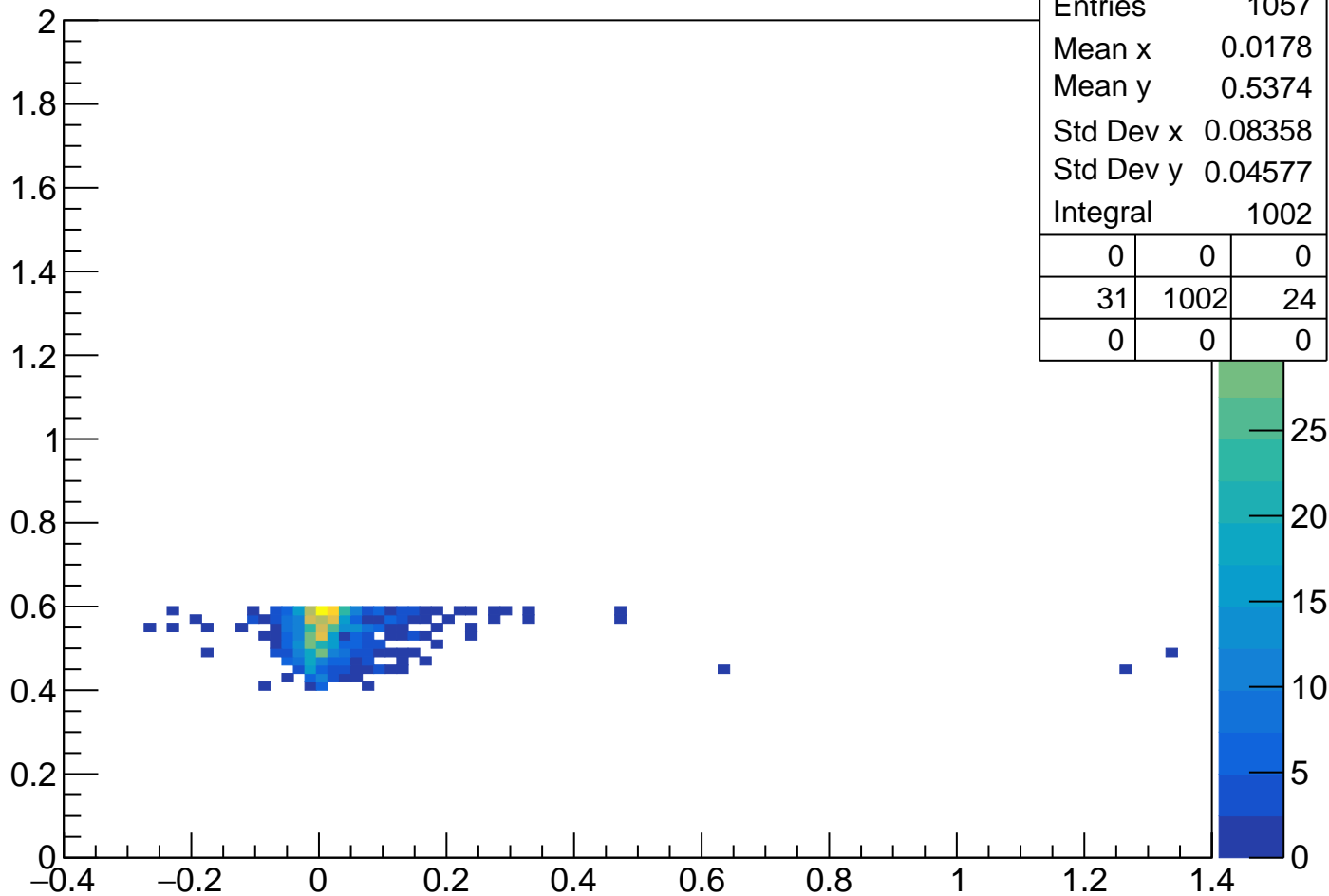
tofsegKurama[0] vs vpseg[1] Cut4 0.2<pKurama[0]<0.4



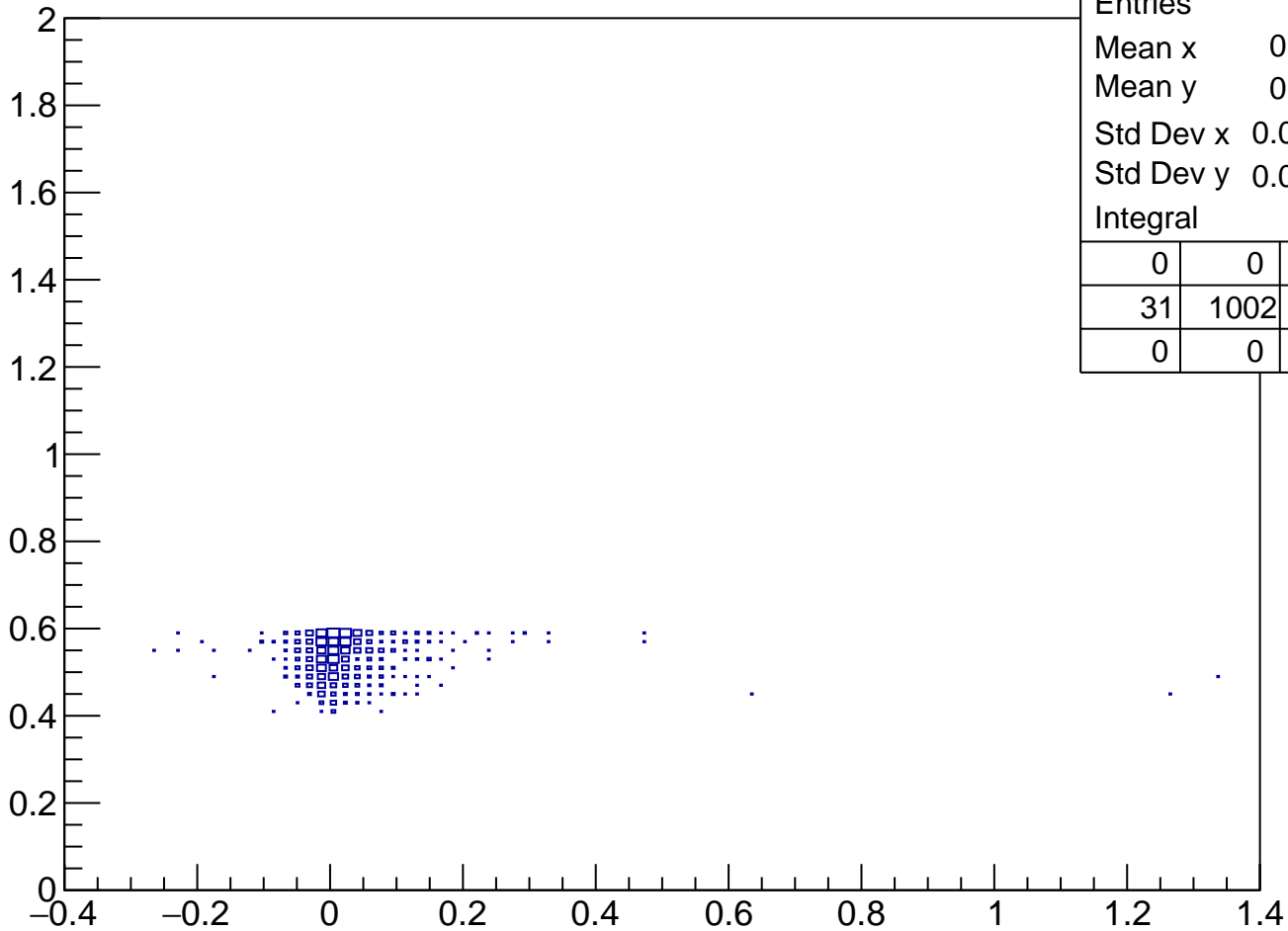
tofsegKurama[0] vs vpseg[1] Cut4 0.2<pKurama[0]<0.4



# pKurama vs m2 Cut4 0.4<pKurama[0]<0.6

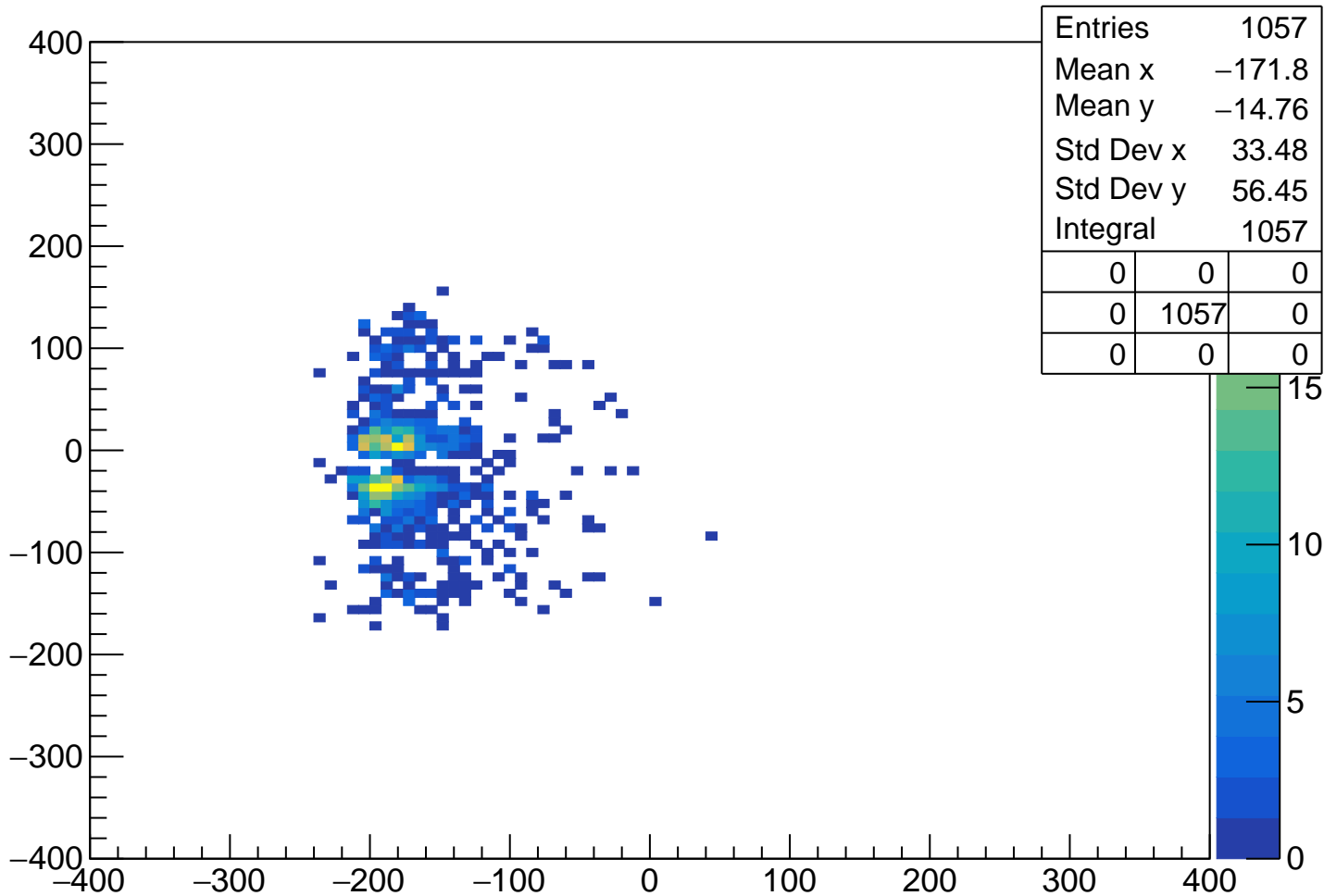


# pKurama vs m2 Cut4 $0.4 < \text{pKurama}[0] < 0.6$

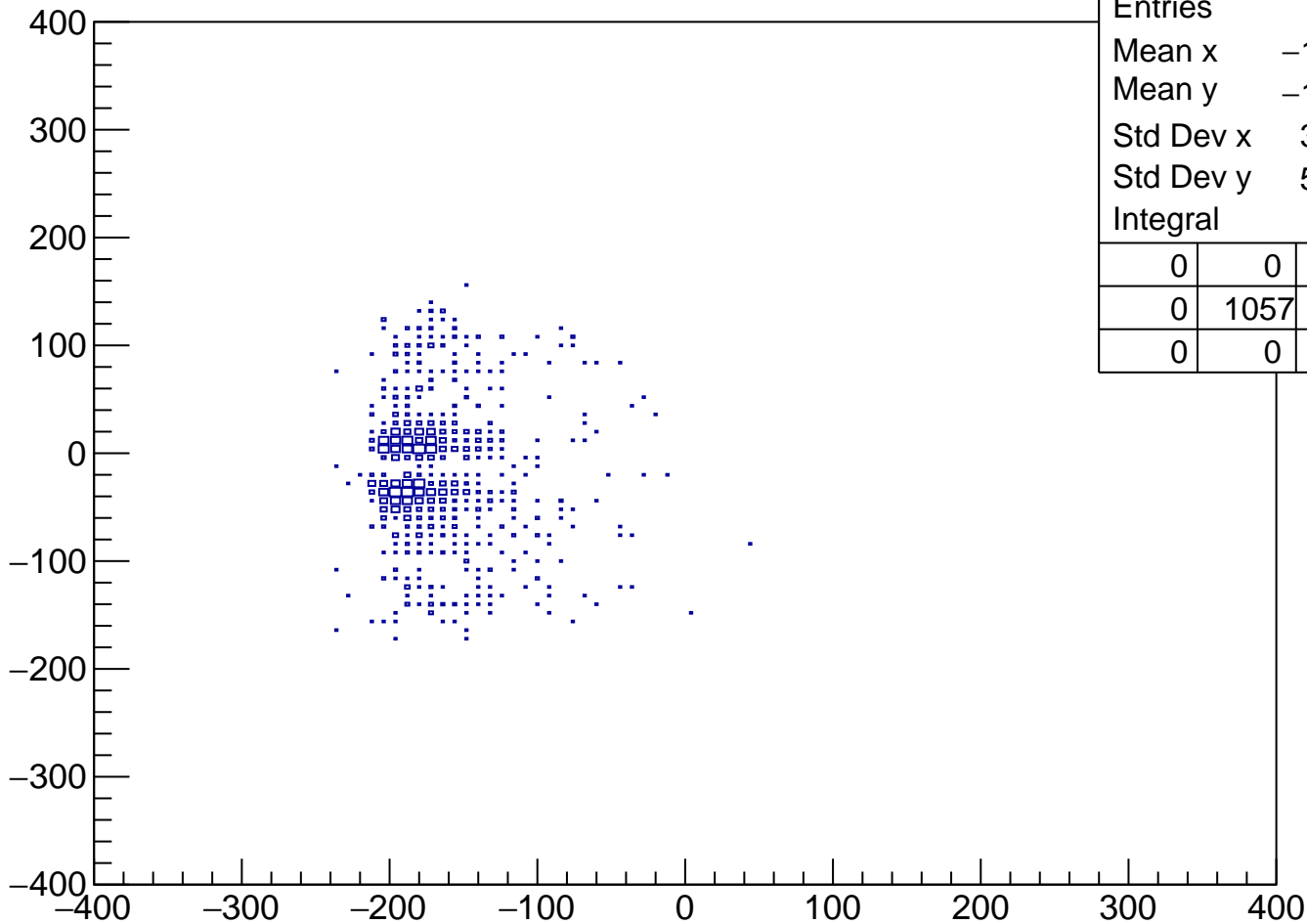


Entries	1057	
Mean x	0.0178	
Mean y	0.5374	
Std Dev x	0.08358	
Std Dev y	0.04577	
Integral	1002	
0	0	0
31	1002	24
0	0	0

vpy[1] vs vpx[1]      Cut4 0.4<pKurama[0]<0.6

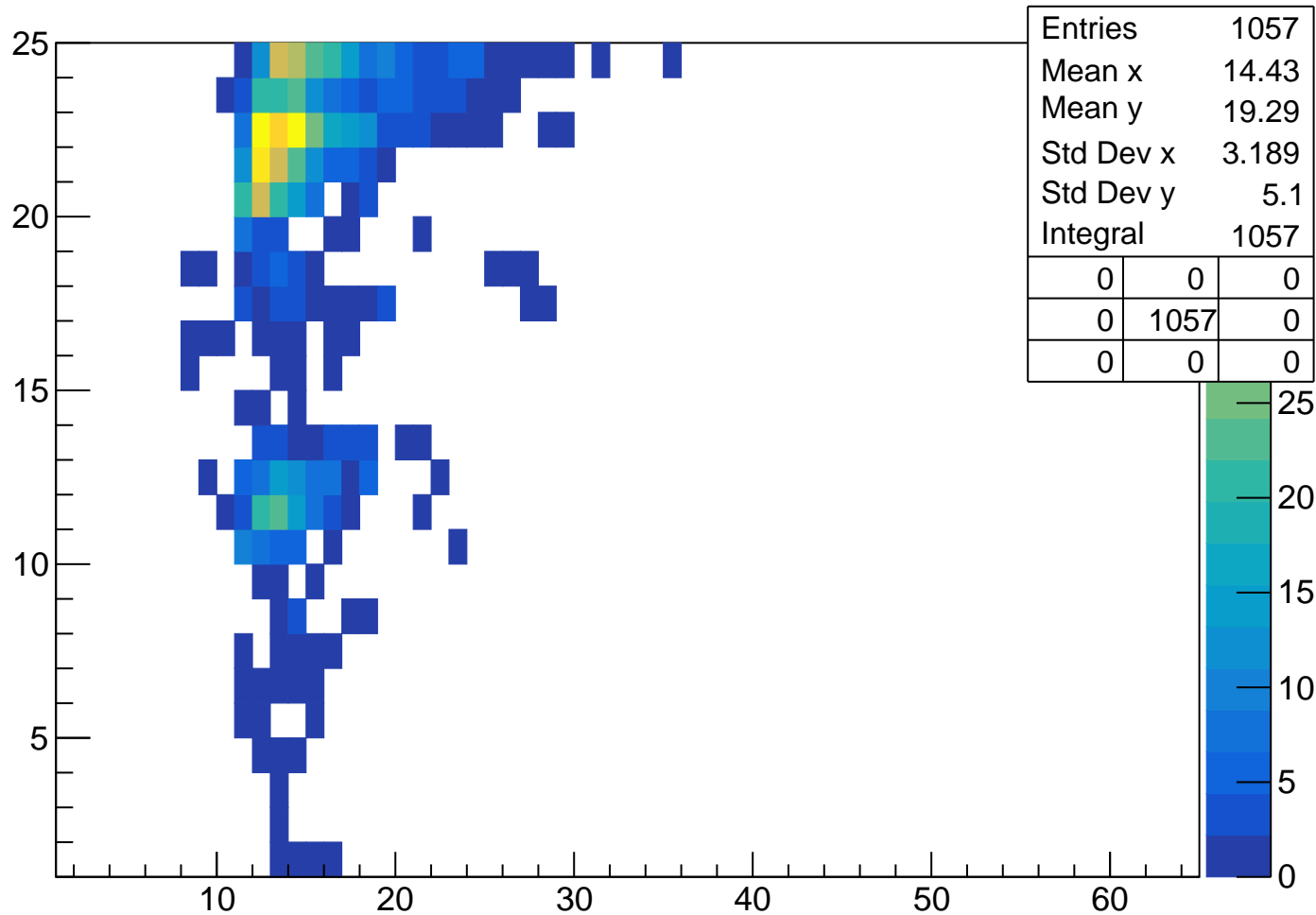


vpy[1] vs vpx[1]      Cut4 0.4<pKurama[0]<0.6

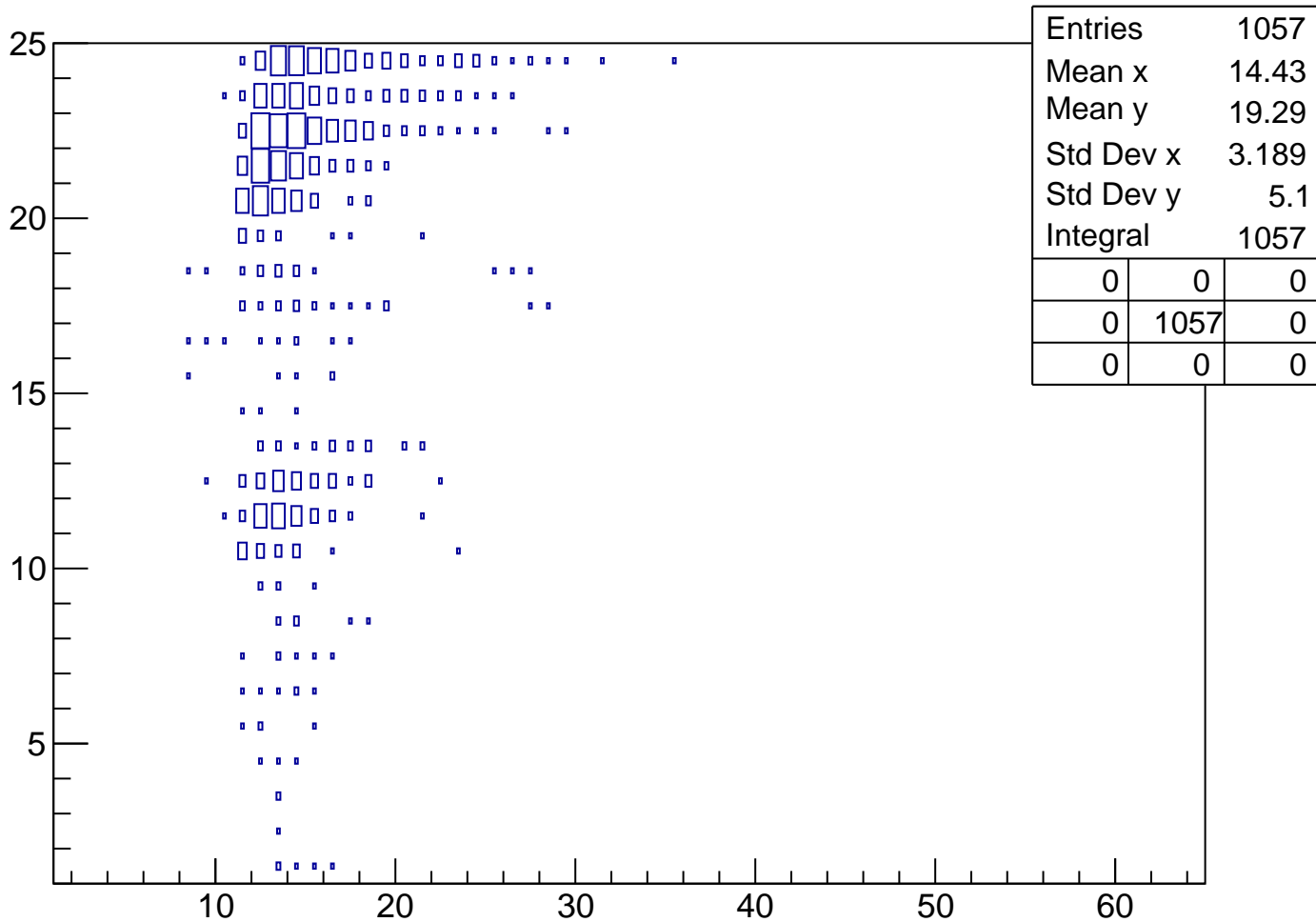


Entries	1057	
Mean x	-171.8	
Mean y	-14.76	
Std Dev x	33.48	
Std Dev y	56.45	
Integral	1057	
0	0	0
0	1057	0
0	0	0

TofSeg[0] vs vpseg[1] Cut4 0.4<pKurama[0]<0.6

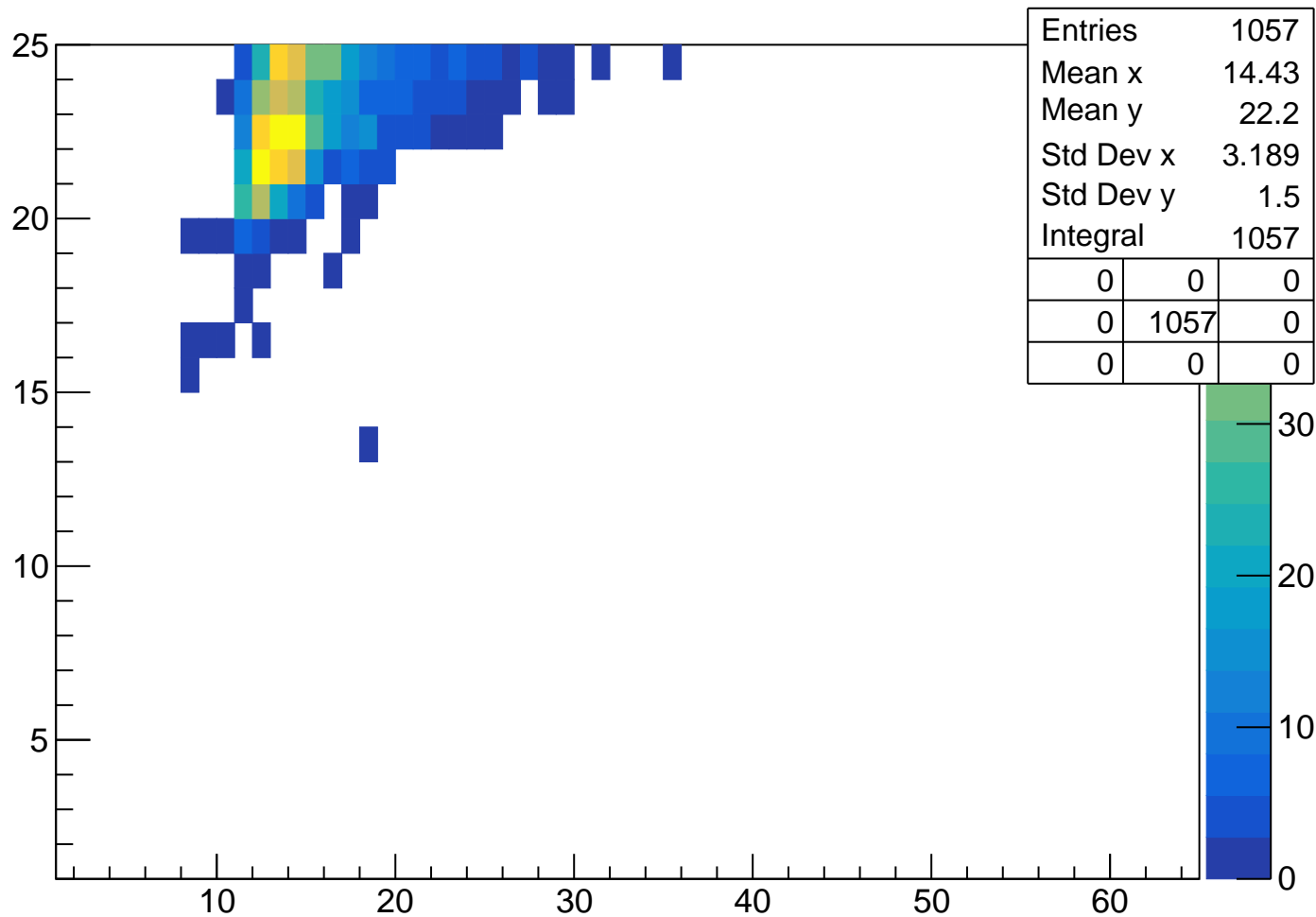


TofSeg[0] vs vpseg[1] Cut4 0.4<pKurama[0]<0.6

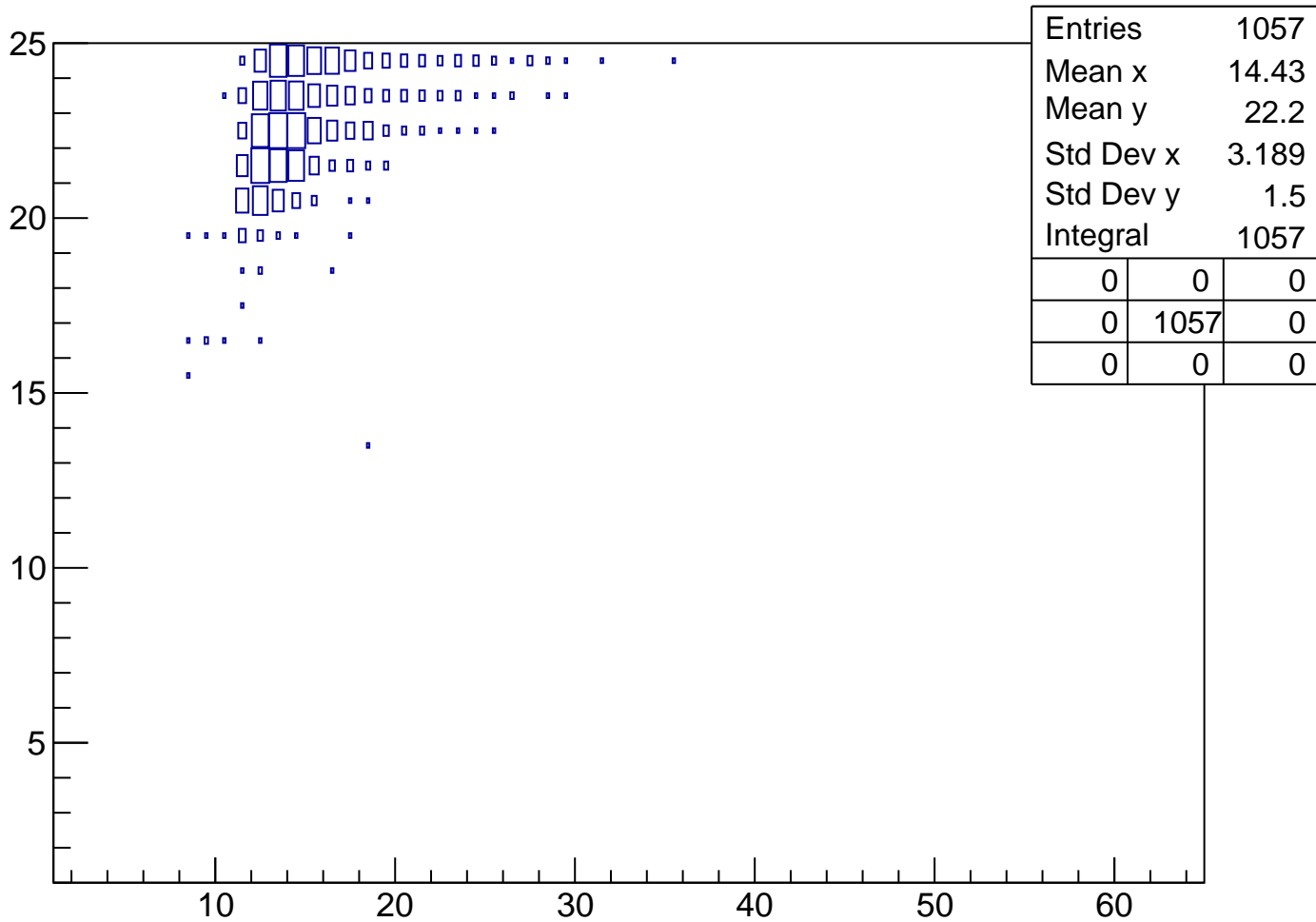




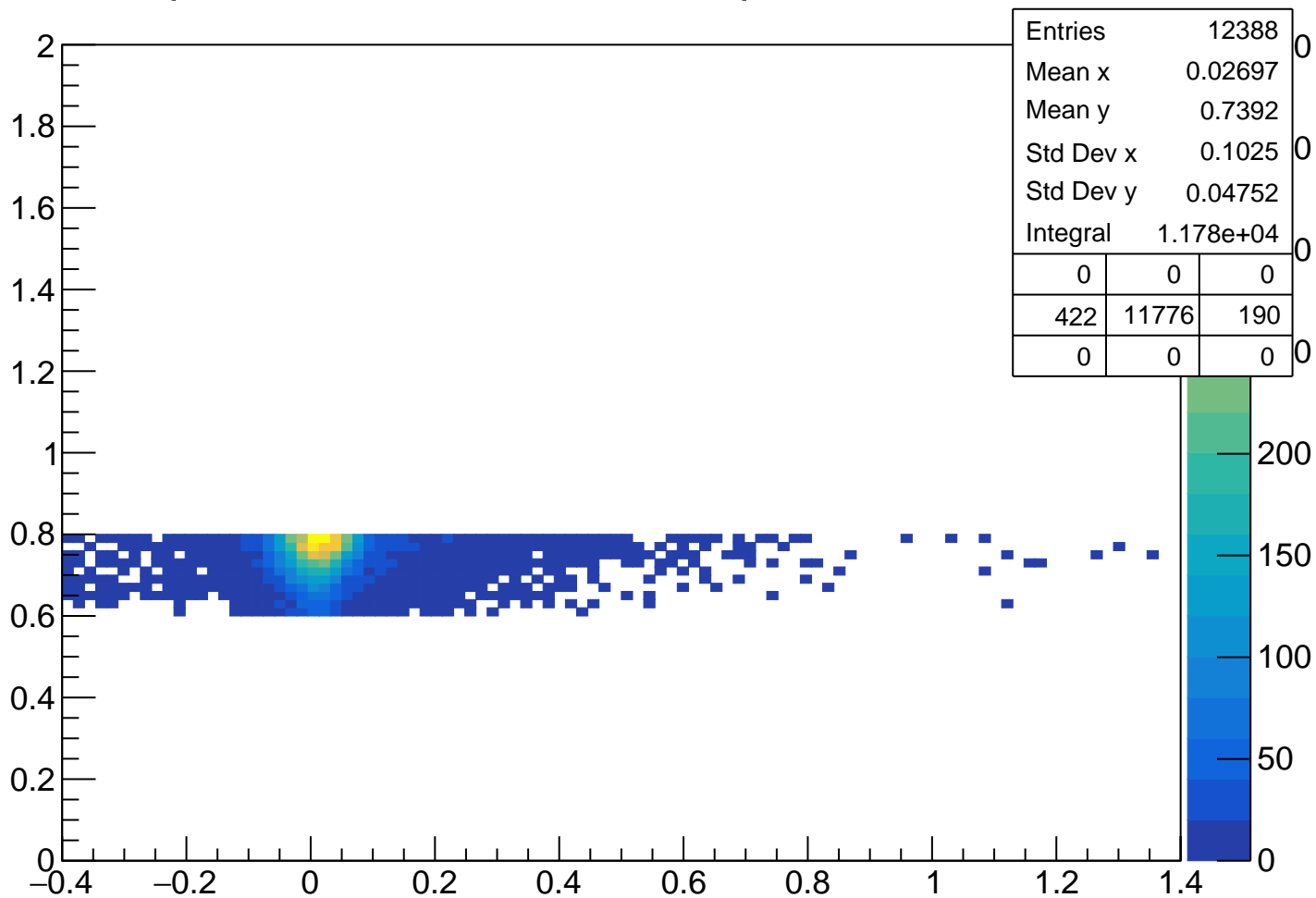
tofsegKurama[0] vs vpseg[1] Cut4  $0.4 < p_{\text{Kurama}[0]} < 0.6$



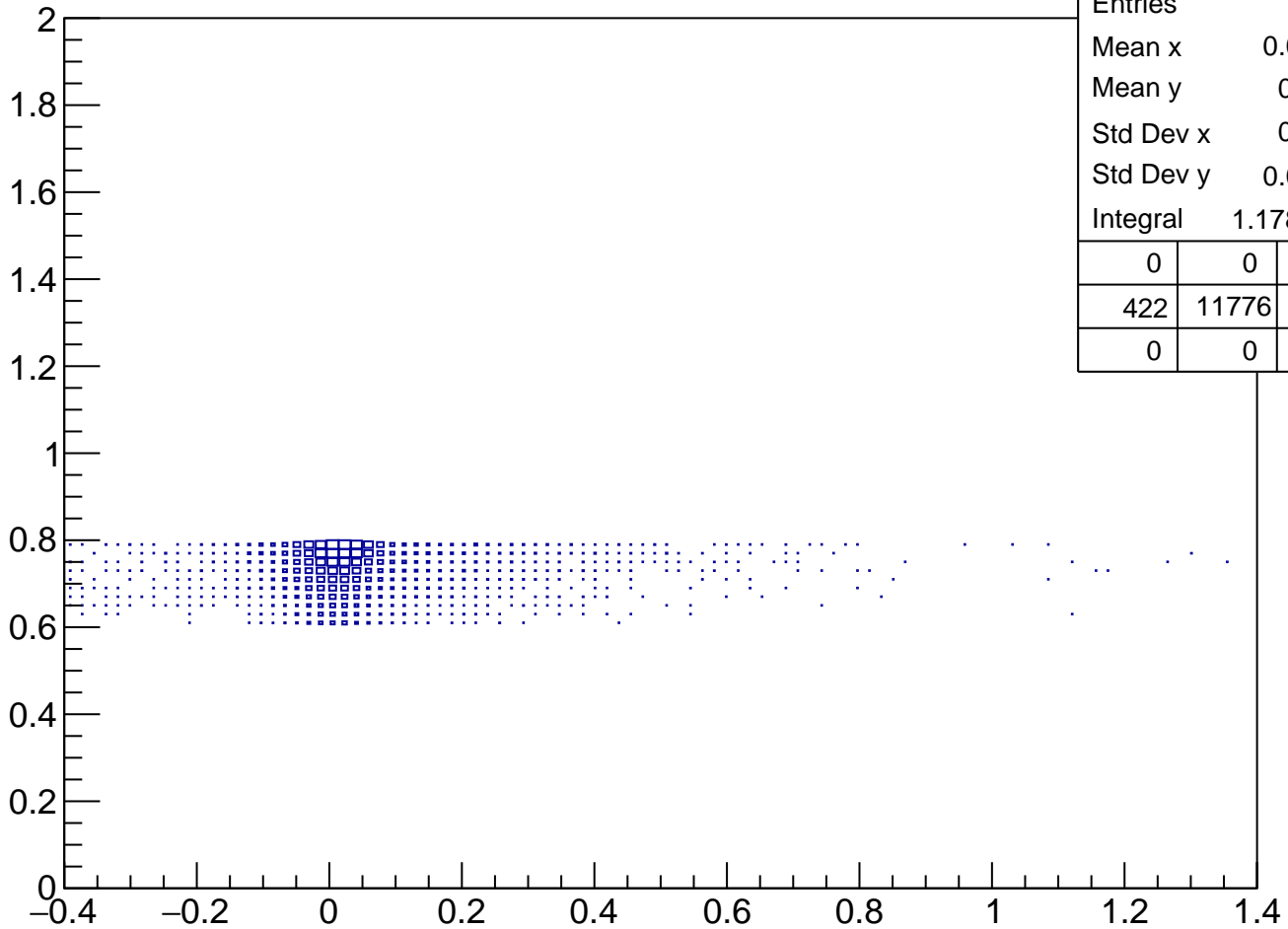
tofsegKurama[0] vs vpseg[1] Cut4 0.4<pKurama[0]<0.6



# pKurama vs m2 Cut4 0.6<pKurama[0]<0.8

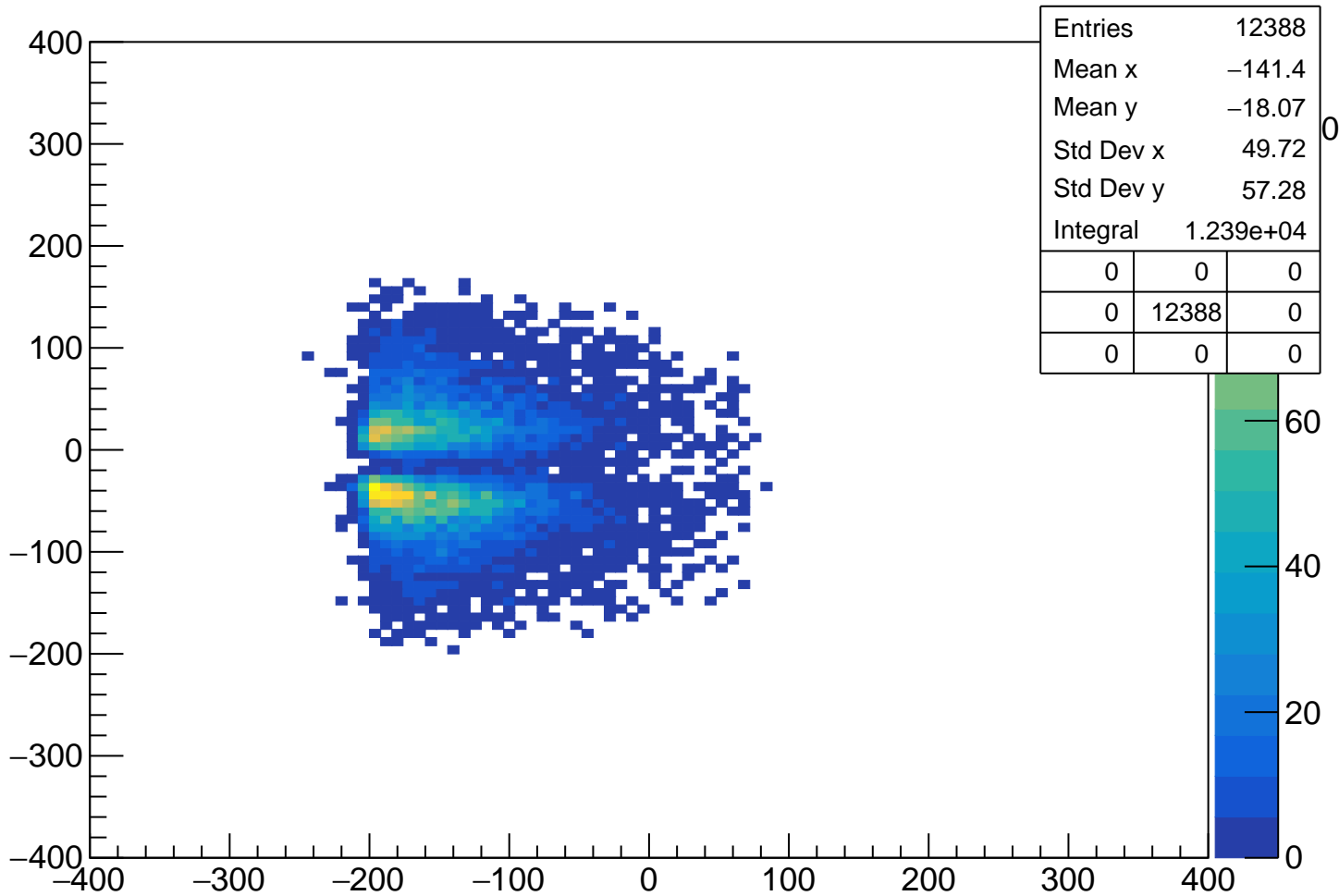


# pKurama vs m2 Cut4 0.6<pKurama[0]<0.8

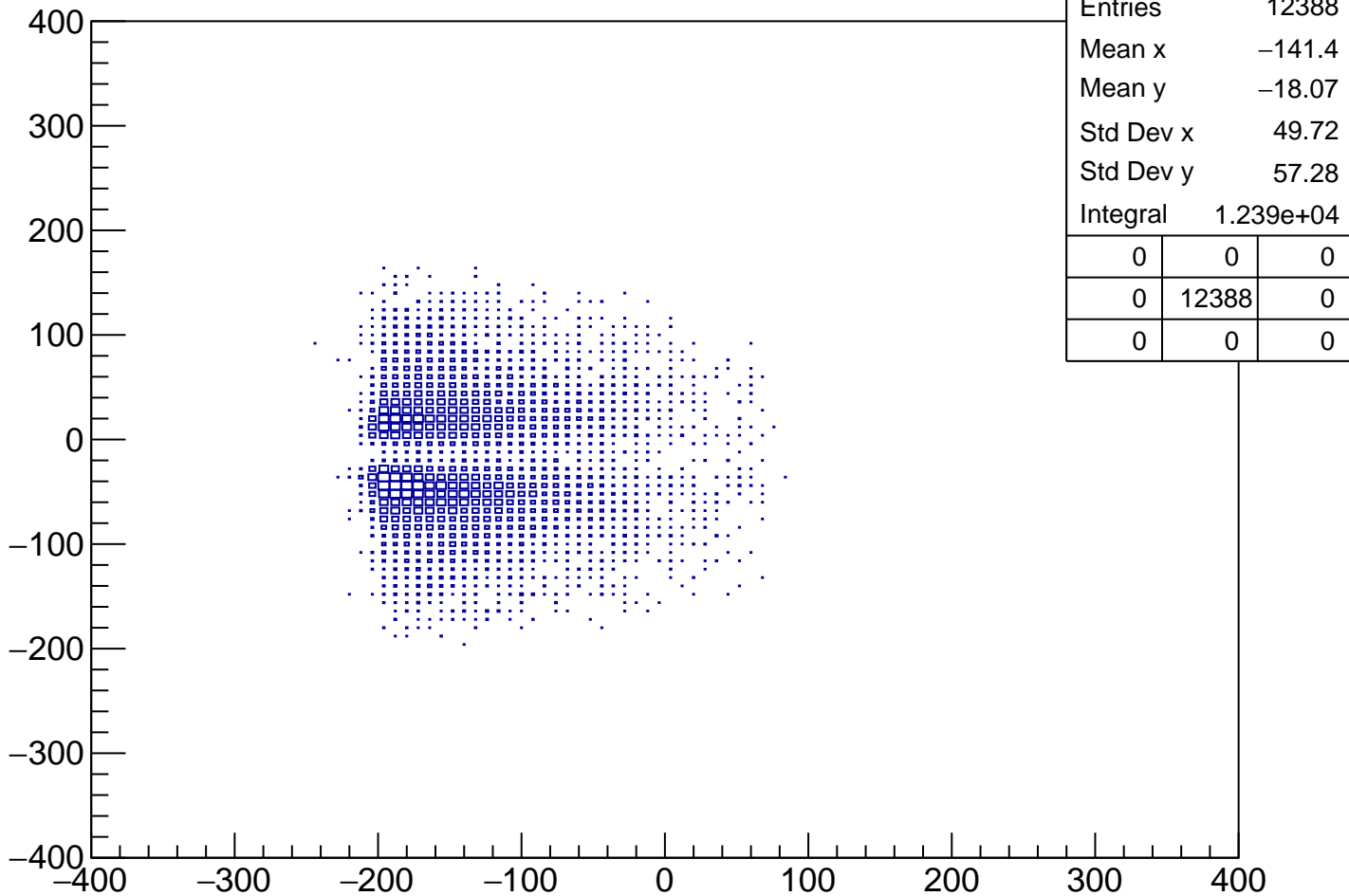


Entries	12388	
Mean x	0.02697	
Mean y	0.7392	
Std Dev x	0.1025	
Std Dev y	0.04752	
Integral	1.178e+04	
0	0	0
422	11776	190
0	0	0

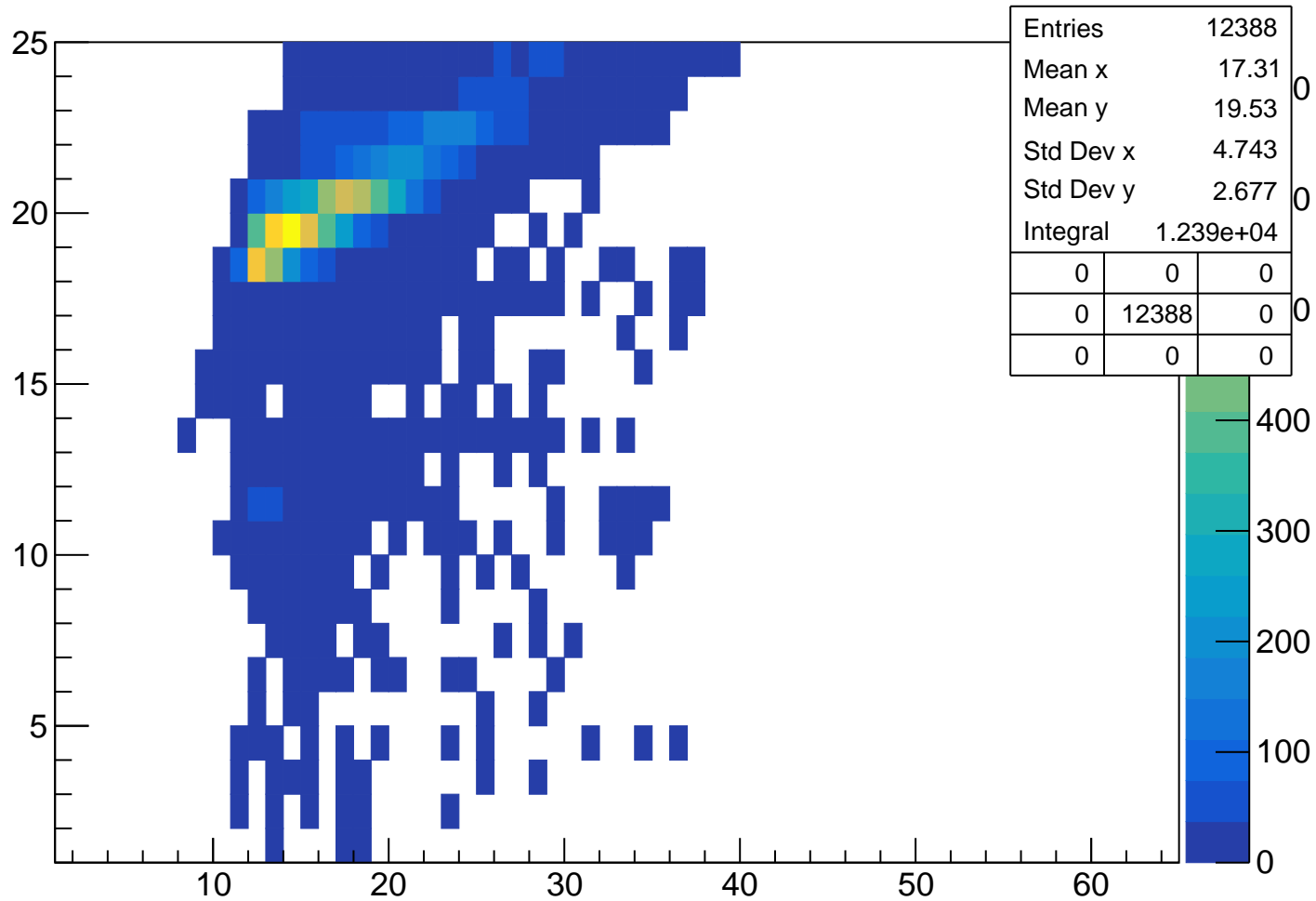
# vpy[1] vs vpx[1]      Cut4 0.6<pKurama[0]<0.8



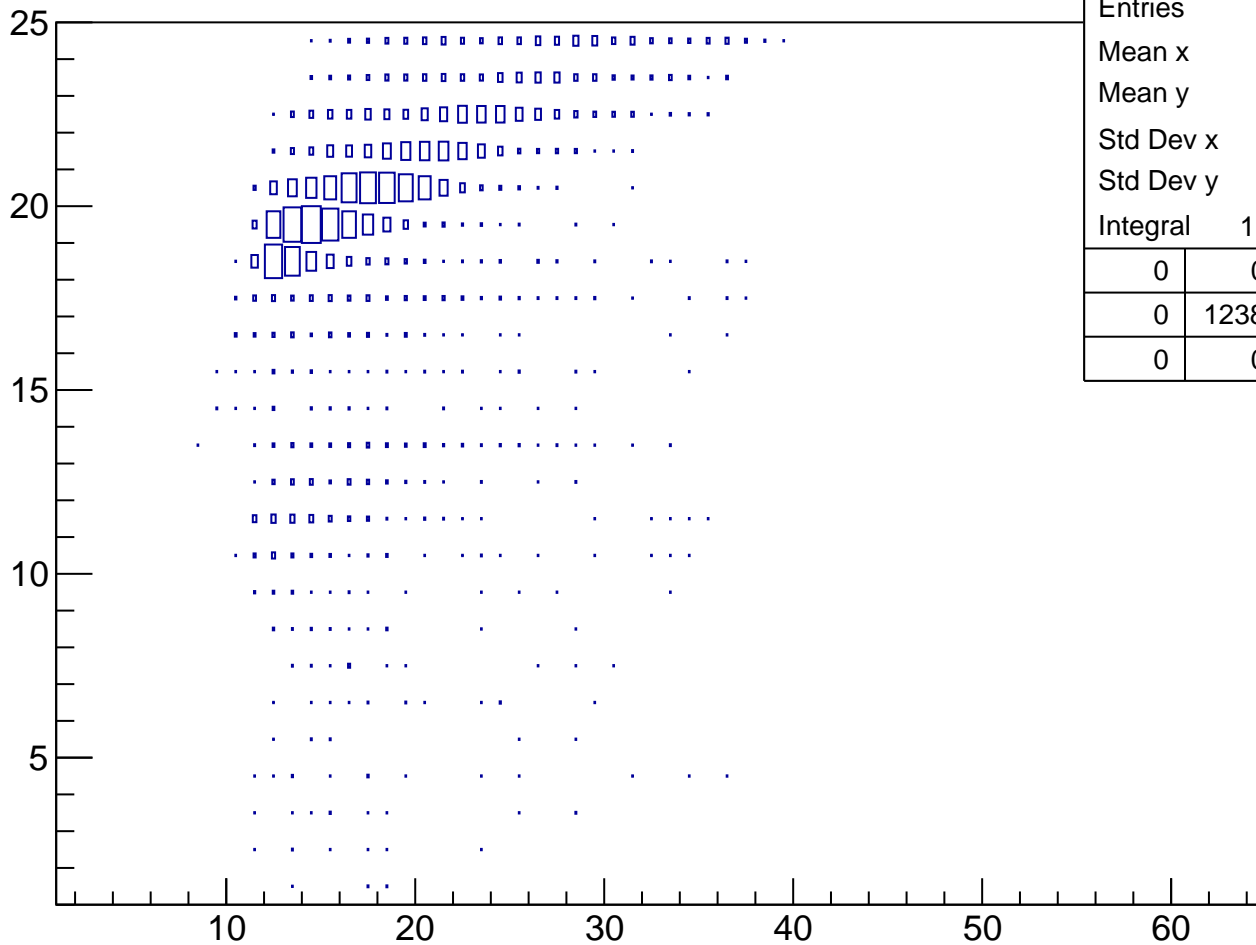
## vpy[1] vs vpx[1]      Cut4 0.6&lt;pKurama[0]&lt;0.8



TofSeg[0] vs vpseg[1] Cut4 0.6<pKurama[0]<0.8



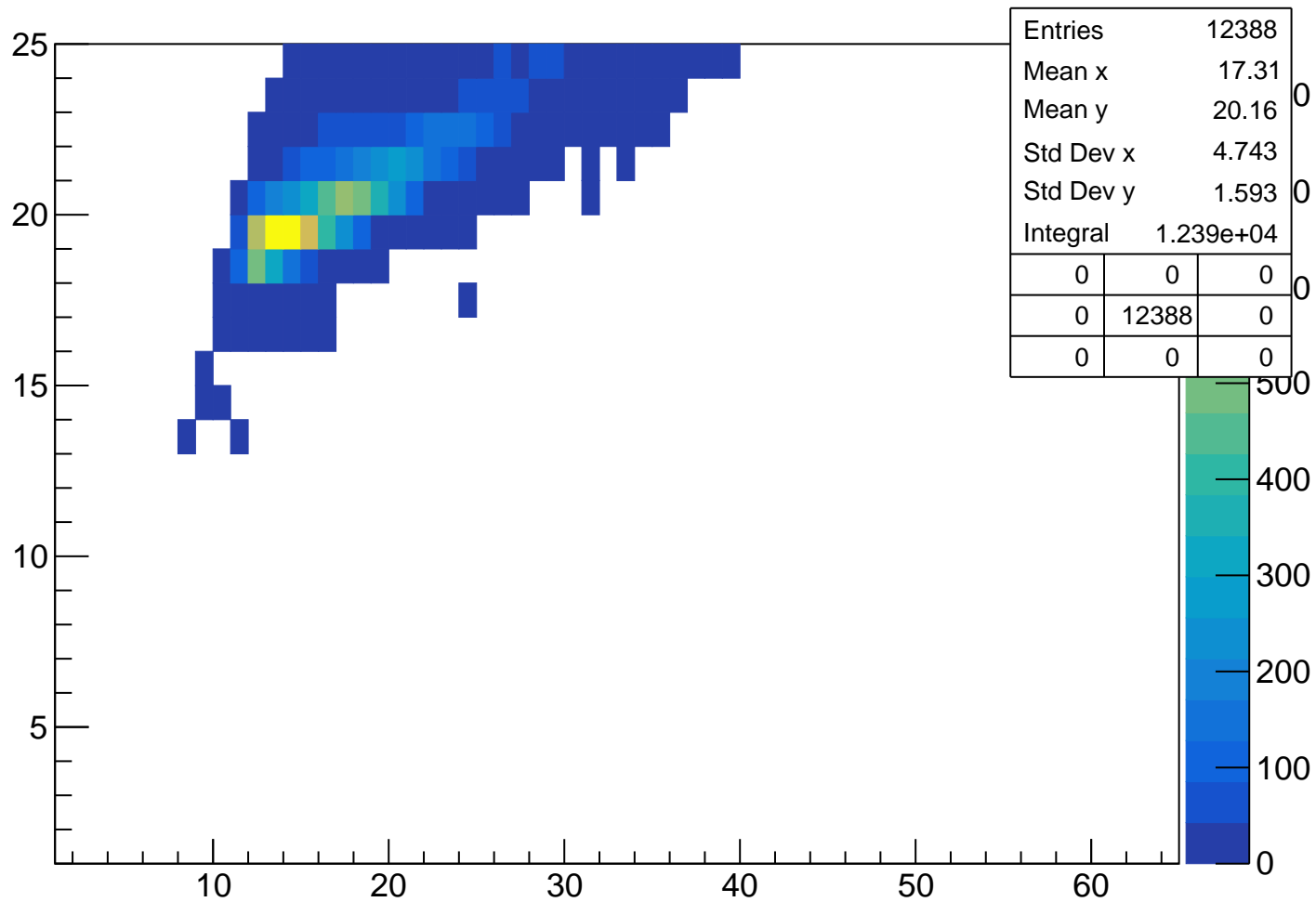
TofSeg[0] vs vpseg[1] Cut4 0.6<pKurama[0]<0.8



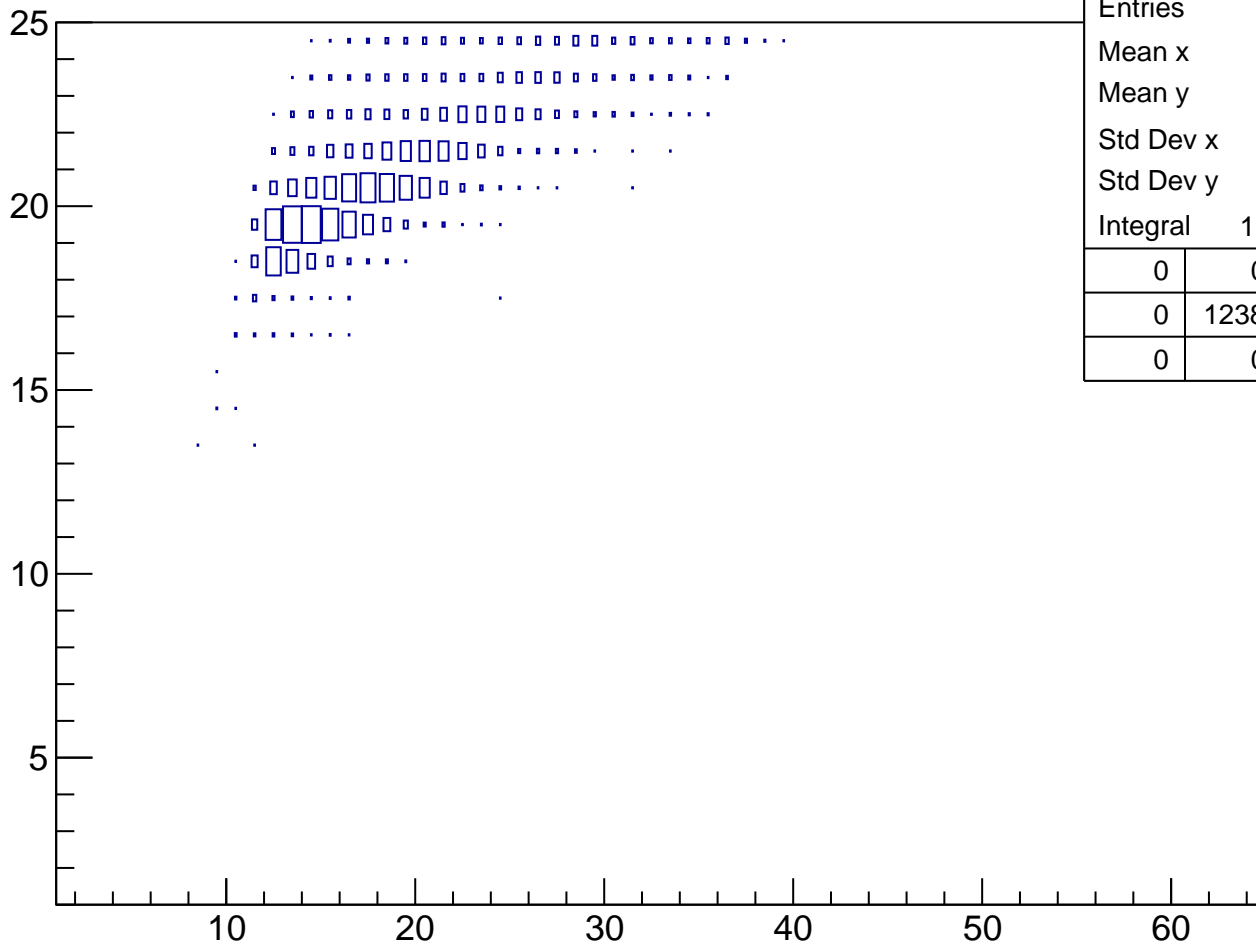
Entries	12388	
Mean x	17.31	
Mean y	19.53	
Std Dev x	4.743	
Std Dev y	2.677	
Integral	1.239e+04	
0	0	0
0	12388	0
0	0	0



tofsegKurama[0] vs vpseg[1] Cut4  $0.6 < p_{\text{Kurama}[0]} < 0.8$

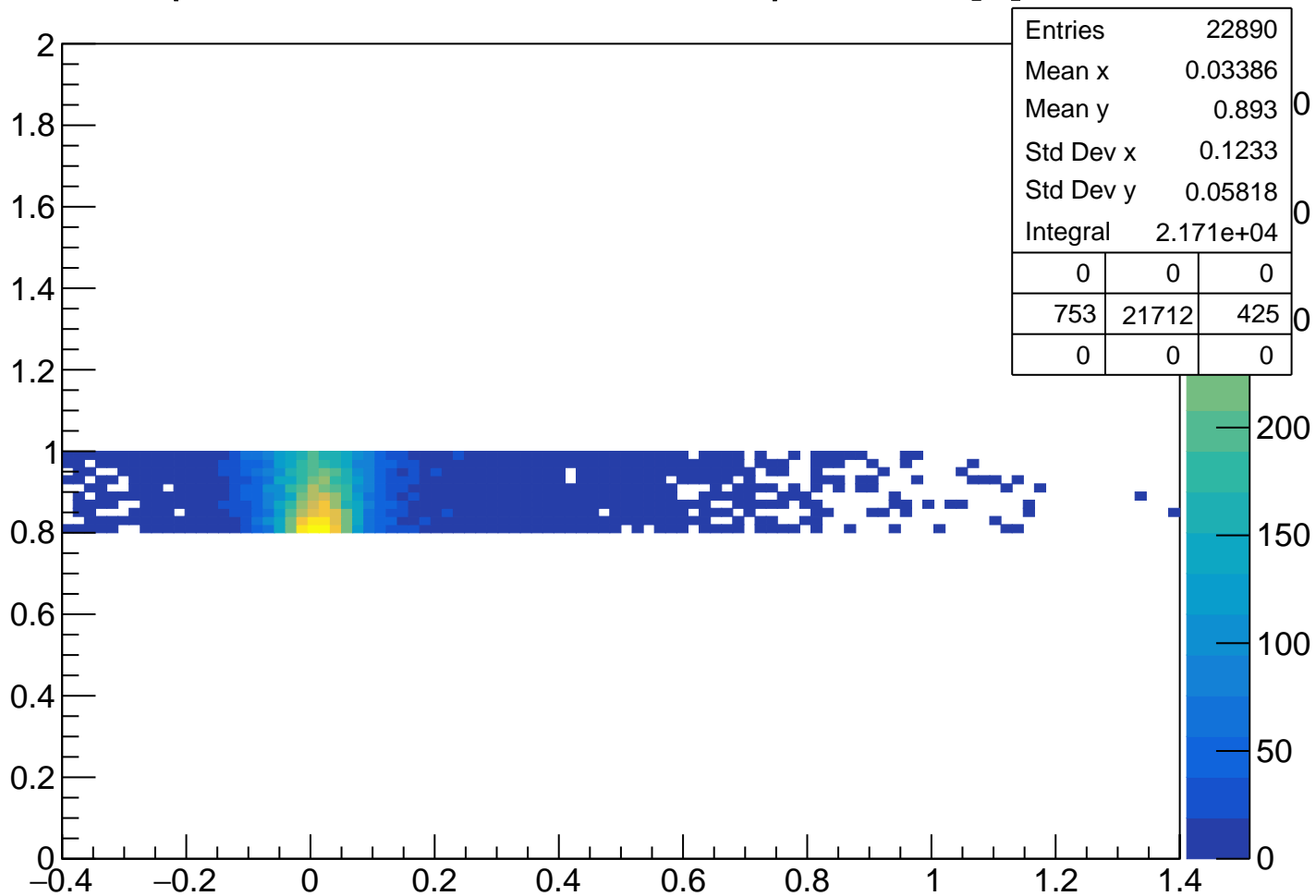


tofsegKurama[0] vs vpseg[1] Cut4 0.6<pKurama[0]<0.8

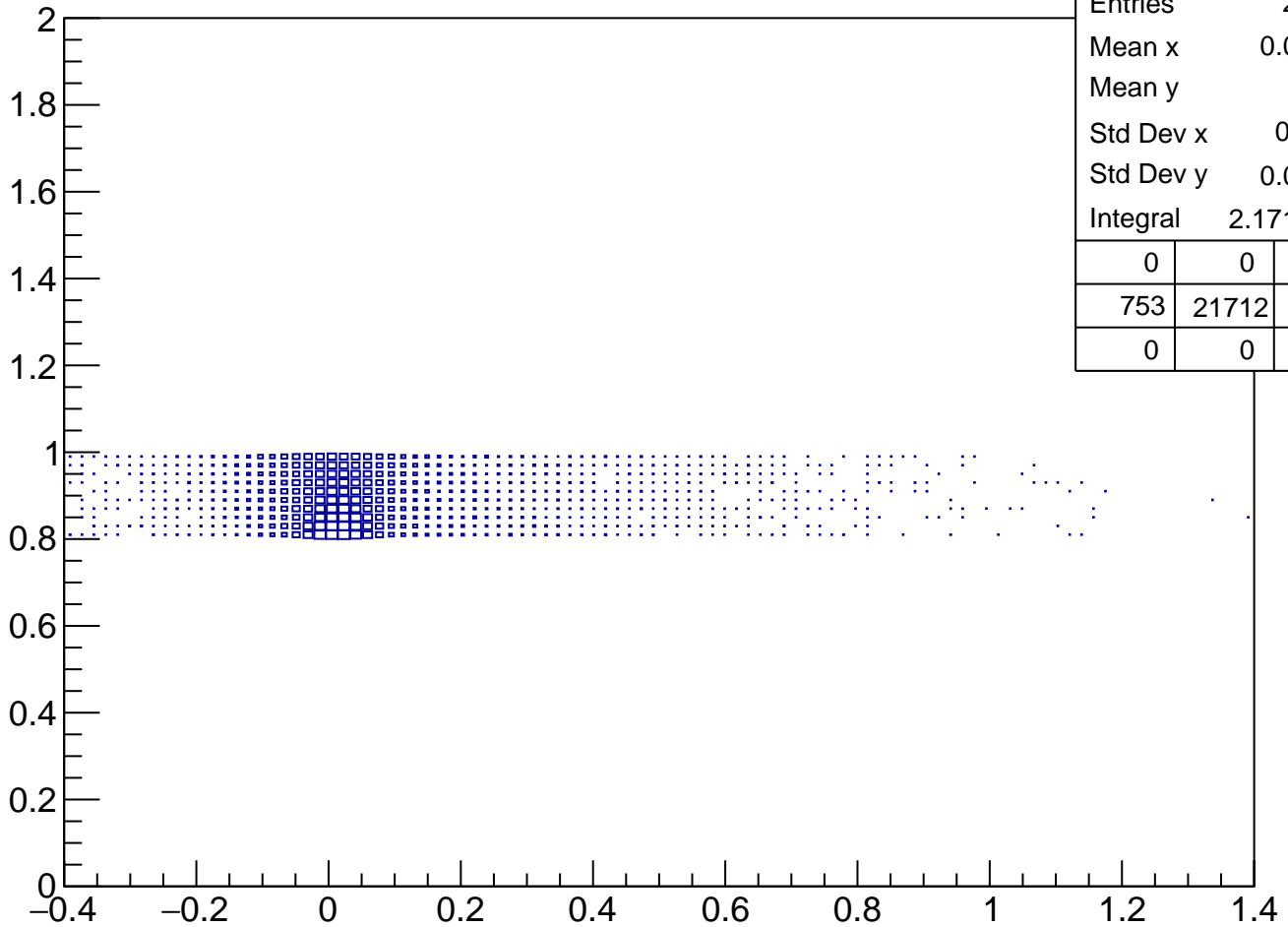


Entries	12388	
Mean x	17.31	
Mean y	20.16	
Std Dev x	4.743	
Std Dev y	1.593	
Integral	1.239e+04	
0	0	0
0	12388	0
0	0	0

# pKurama vs m2 Cut4 $0.8 < \text{pKurama}[0] < 1$

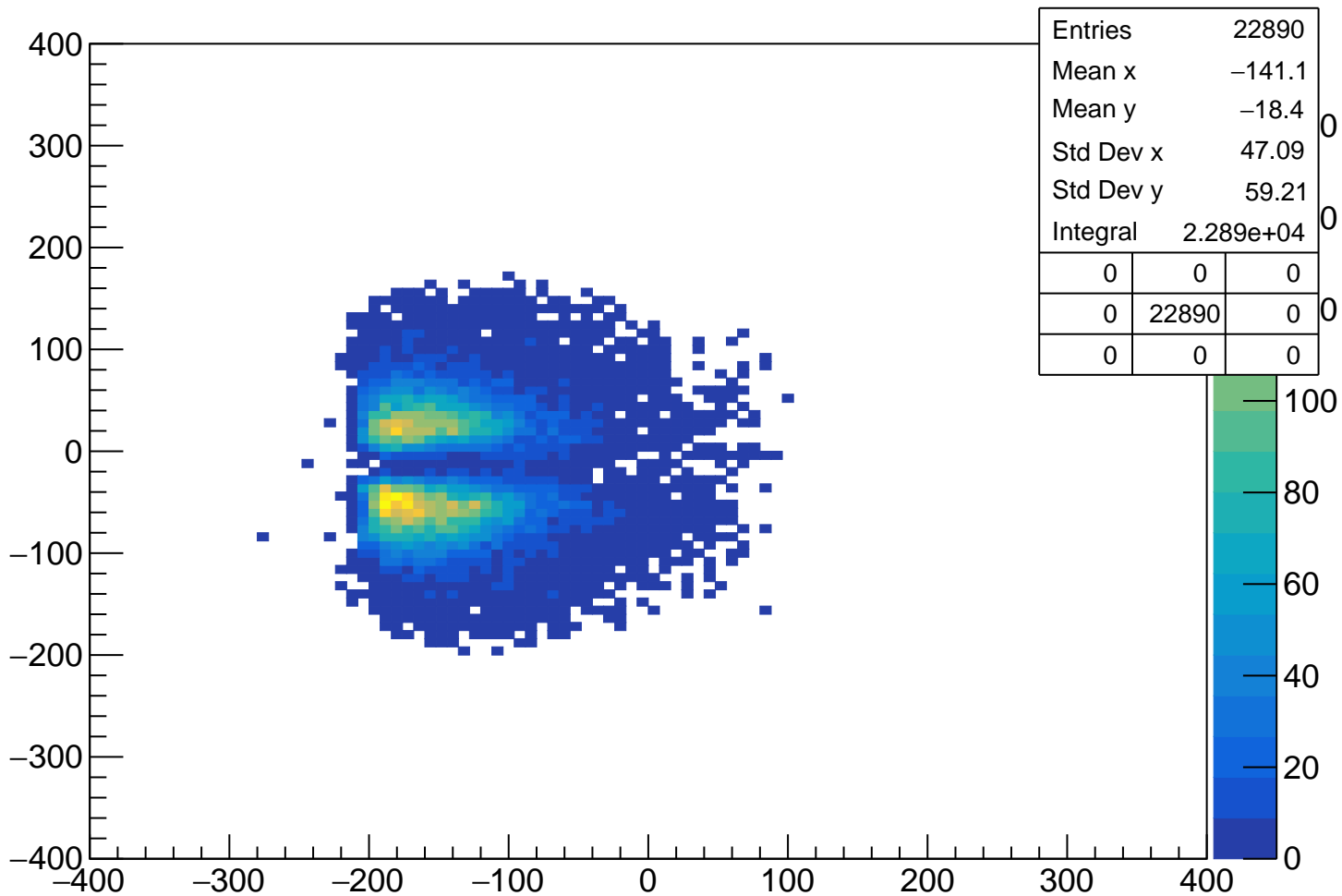


# pKurama vs m2 Cut4 0.8<pKurama[0]<1

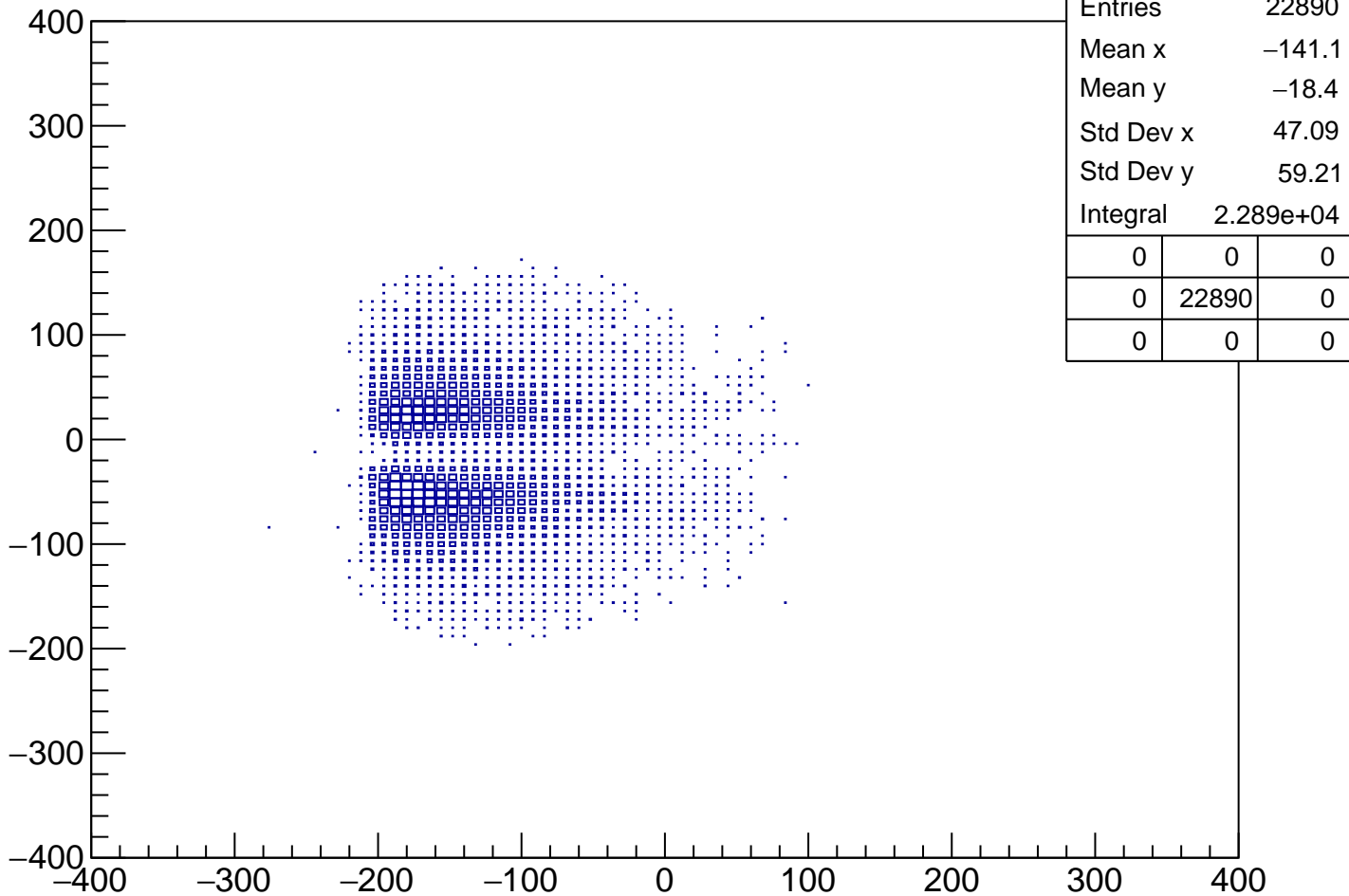


Entries	22890	
Mean x	0.03386	
Mean y	0.893	
Std Dev x	0.1233	
Std Dev y	0.05818	
Integral	2.171e+04	
0	0	0
753	21712	425
0	0	0

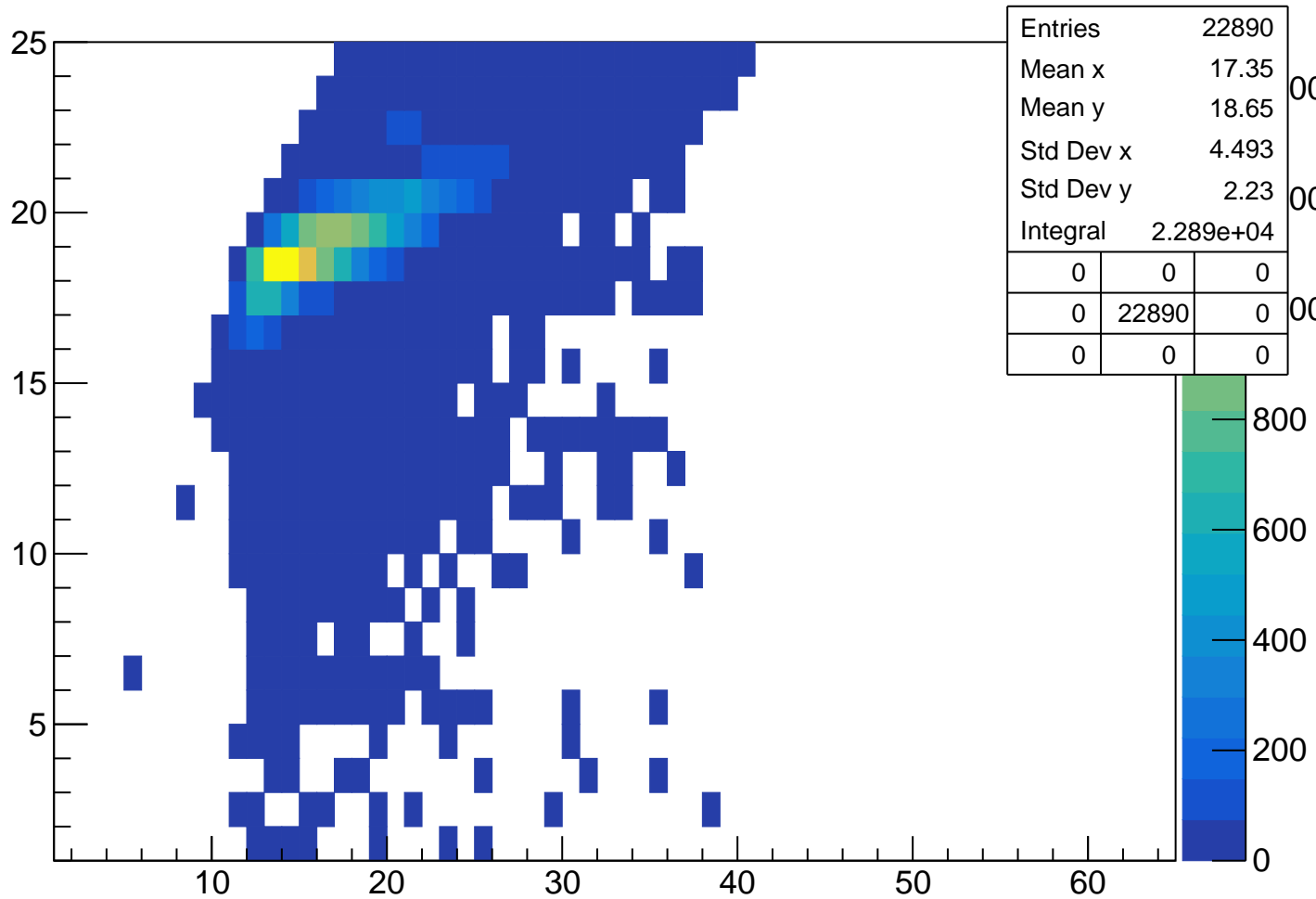
# vpy[1] vs vpx[1]      Cut4 0.8<pKurama[0]<1



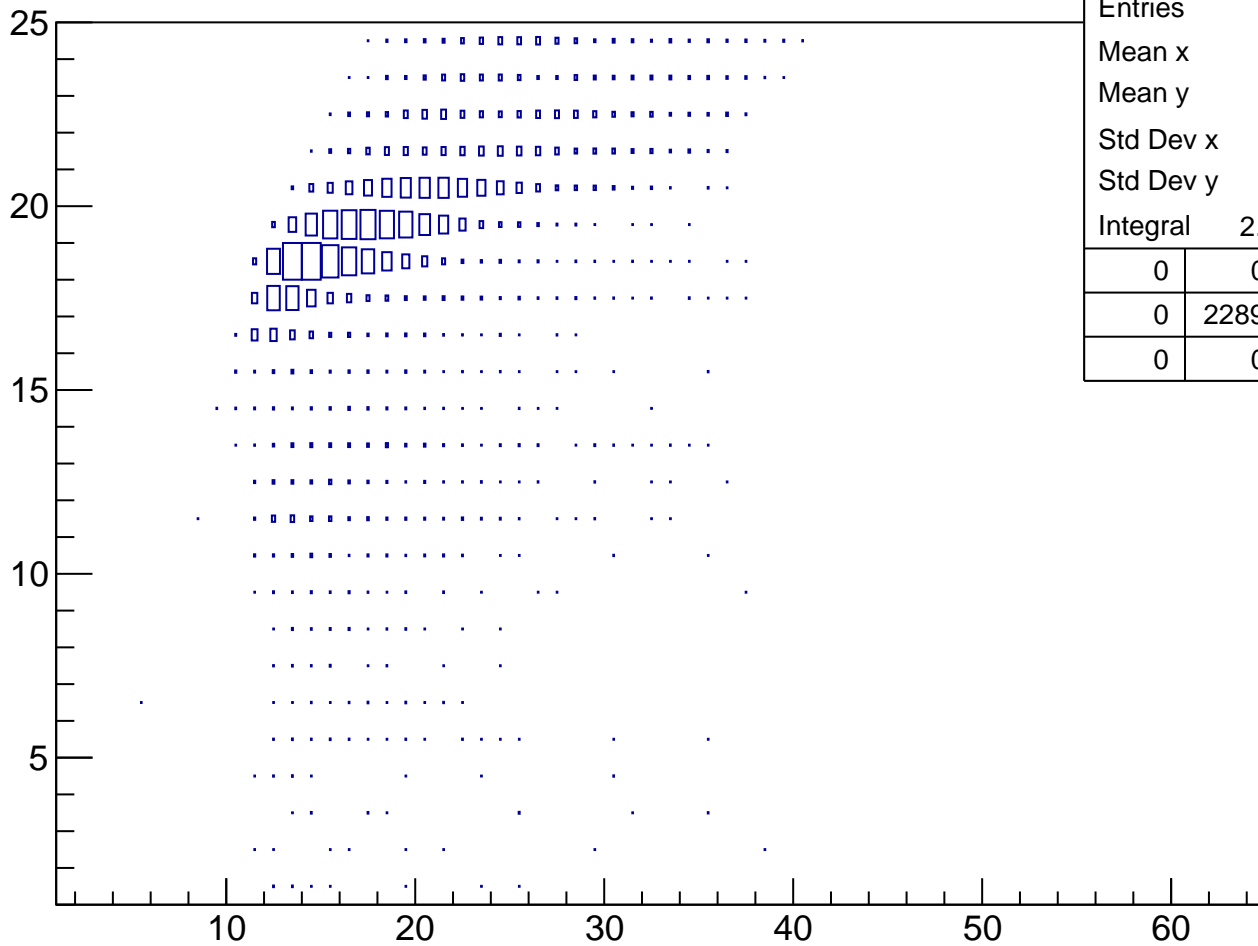
## vpy[1] vs vpx[1]      Cut4 0.8&lt;pKurama[0]&lt;1



TofSeg[0] vs vpseg[1] Cut4 0.8<pKurama[0]<1



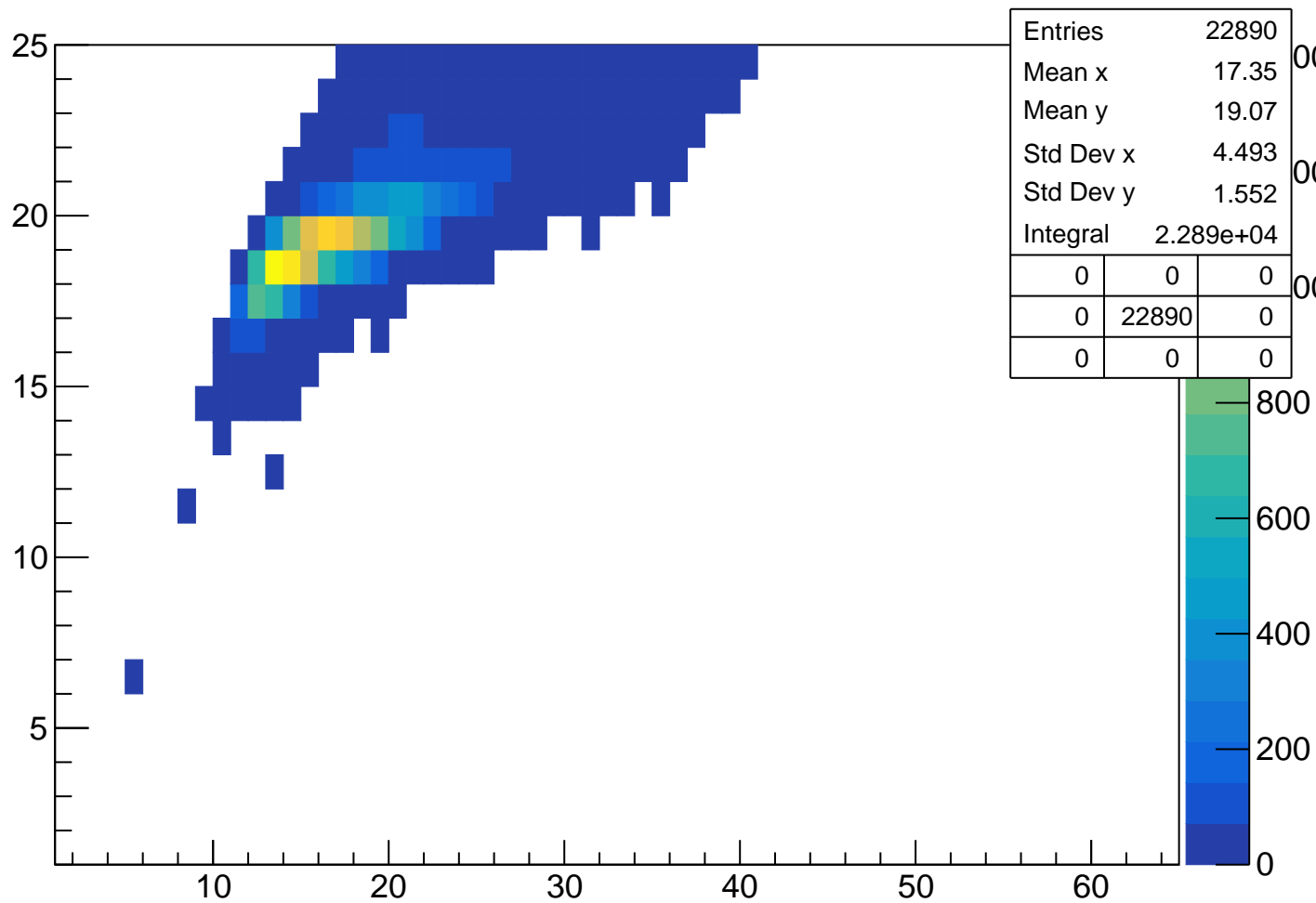
# TofSeg[0] vs vpseg[1] Cut4 0.8<pKurama[0]<1



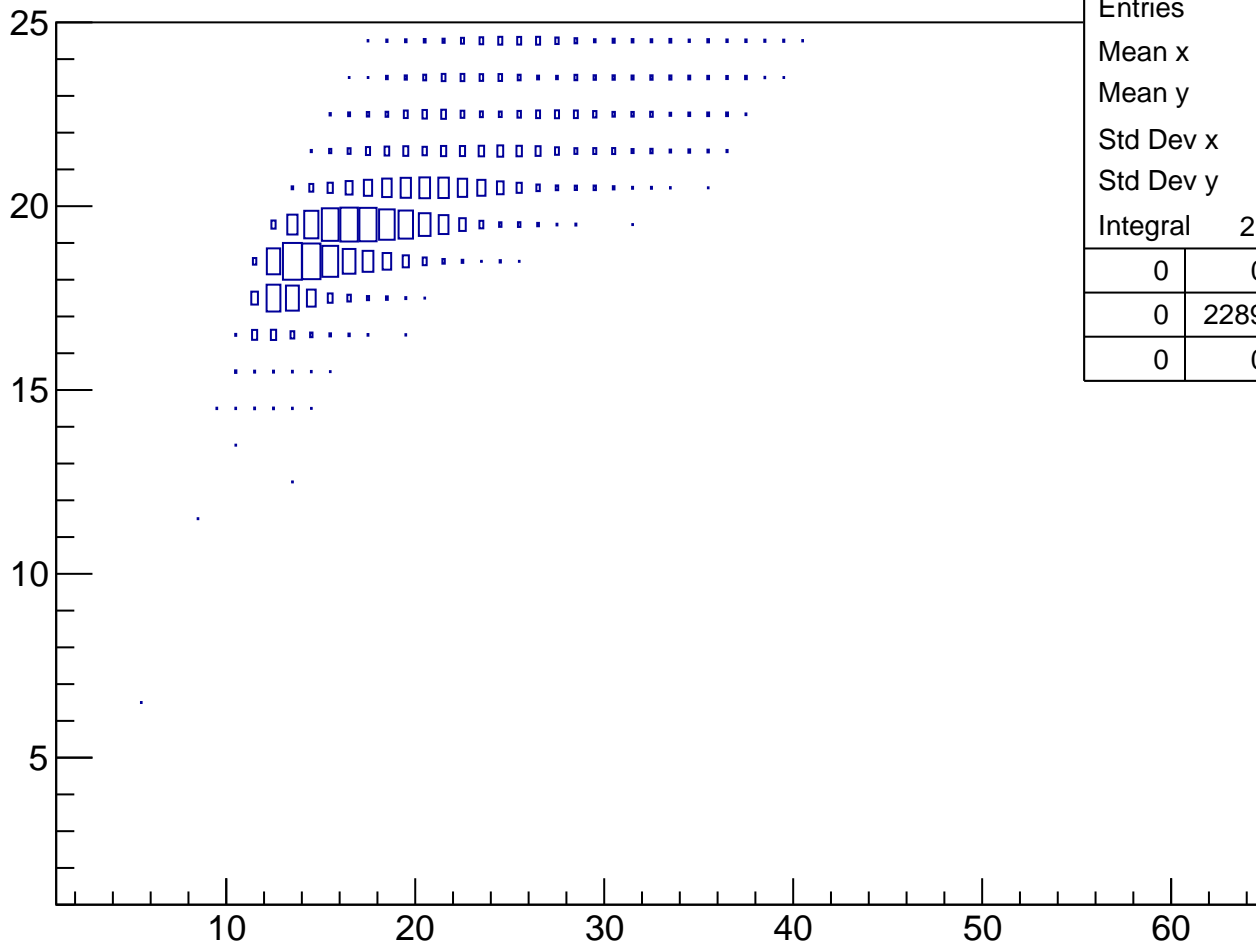
Entries	22890	
Mean x	17.35	
Mean y	18.65	
Std Dev x	4.493	
Std Dev y	2.23	
Integral	2.289e+04	
0	0	0
0	22890	0
0	0	0



tofsegKurama[0] vs vpseg[1] Cut4 0.8<pKurama[0]<1

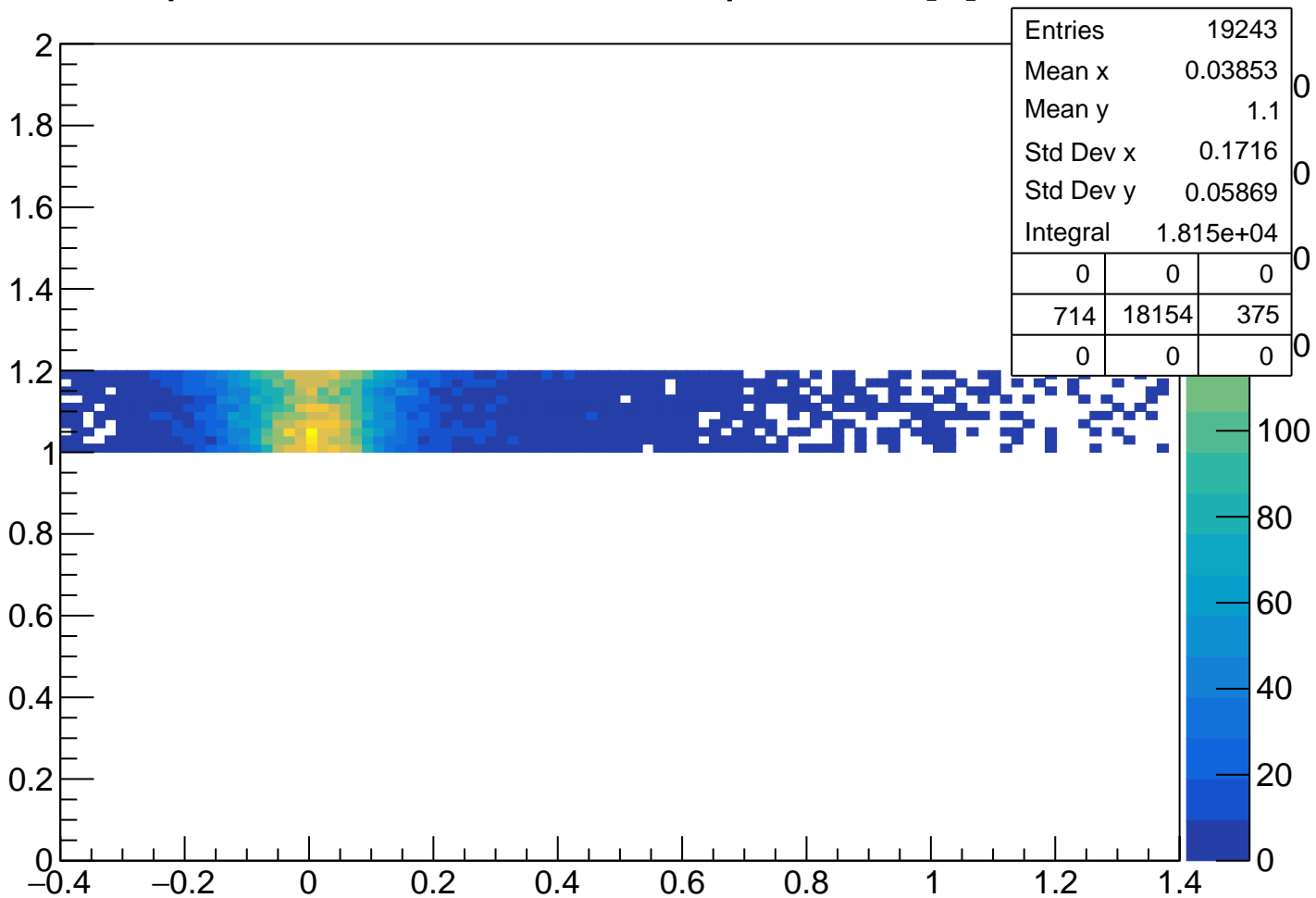


tofsegKurama[0] vs vpseg[1] Cut4 0.8<pKurama[0]<1

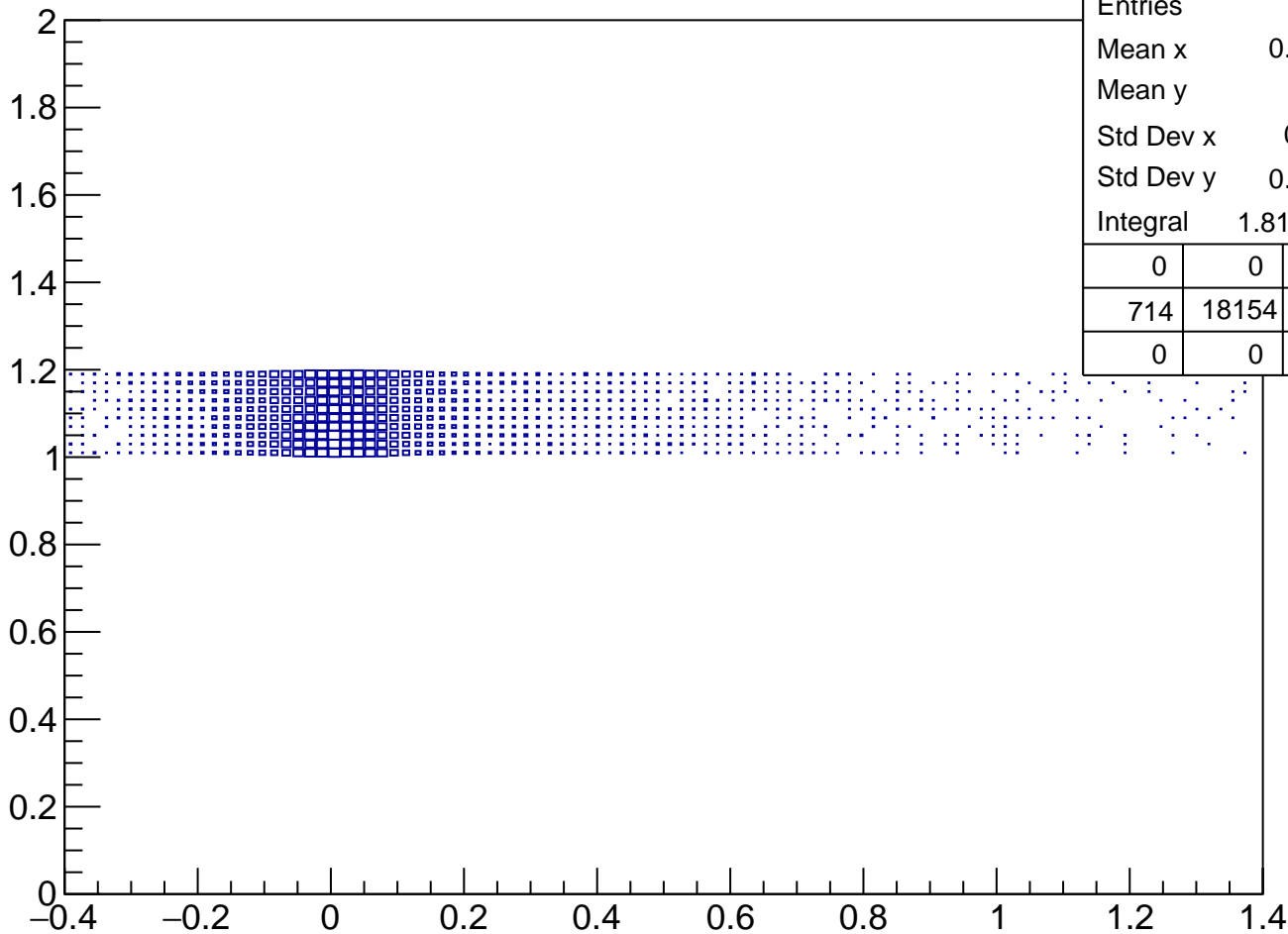


Entries	22890	
Mean x	17.35	
Mean y	19.07	
Std Dev x	4.493	
Std Dev y	1.552	
Integral	2.289e+04	
0	0	0
0	22890	0
0	0	0

# pKurama vs m2 Cut4 $1 < \text{pKurama}[0] < 1.2$

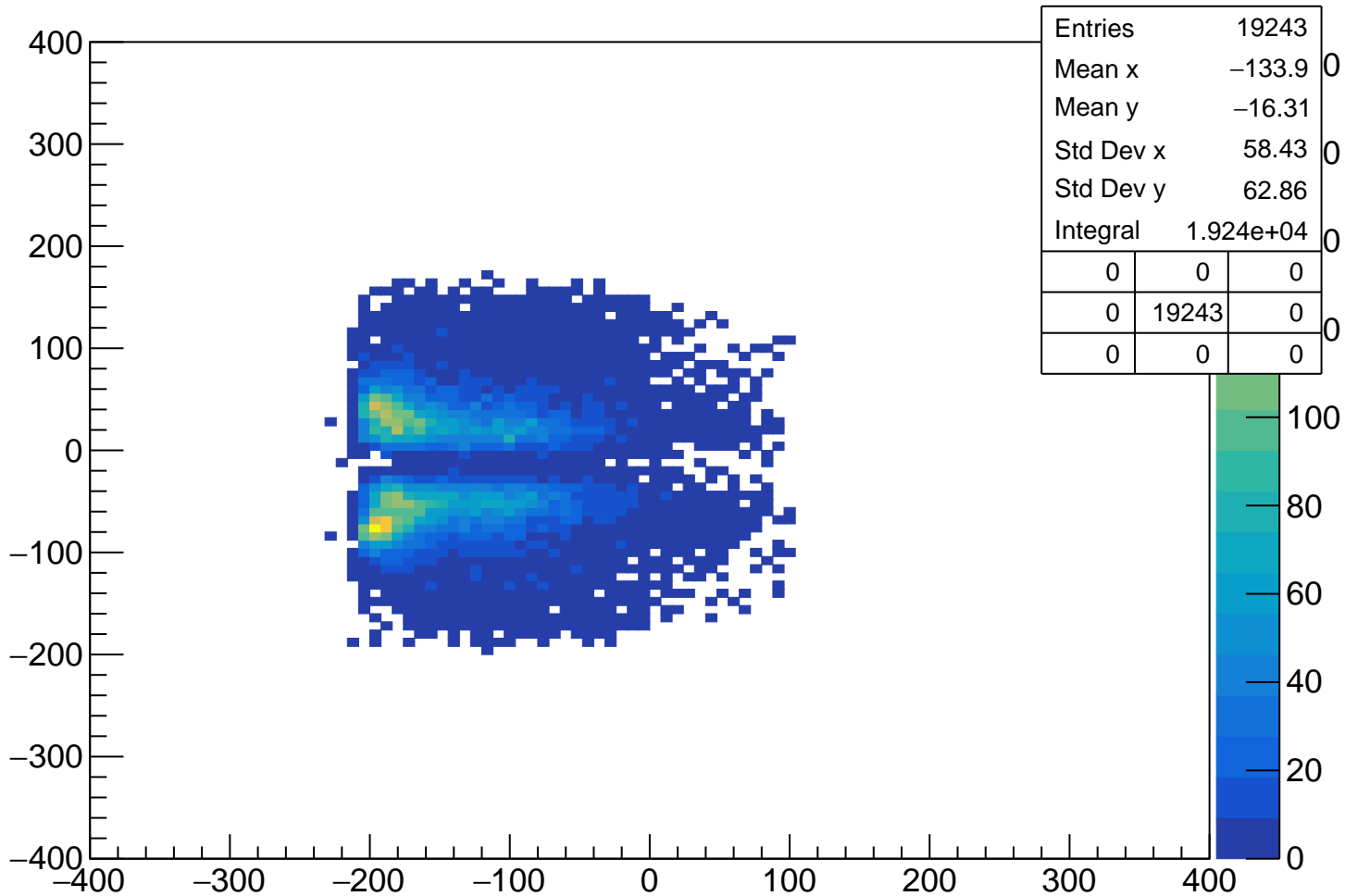


# pKurama vs m2 Cut4 $1 < \text{pKurama}[0] < 1.2$

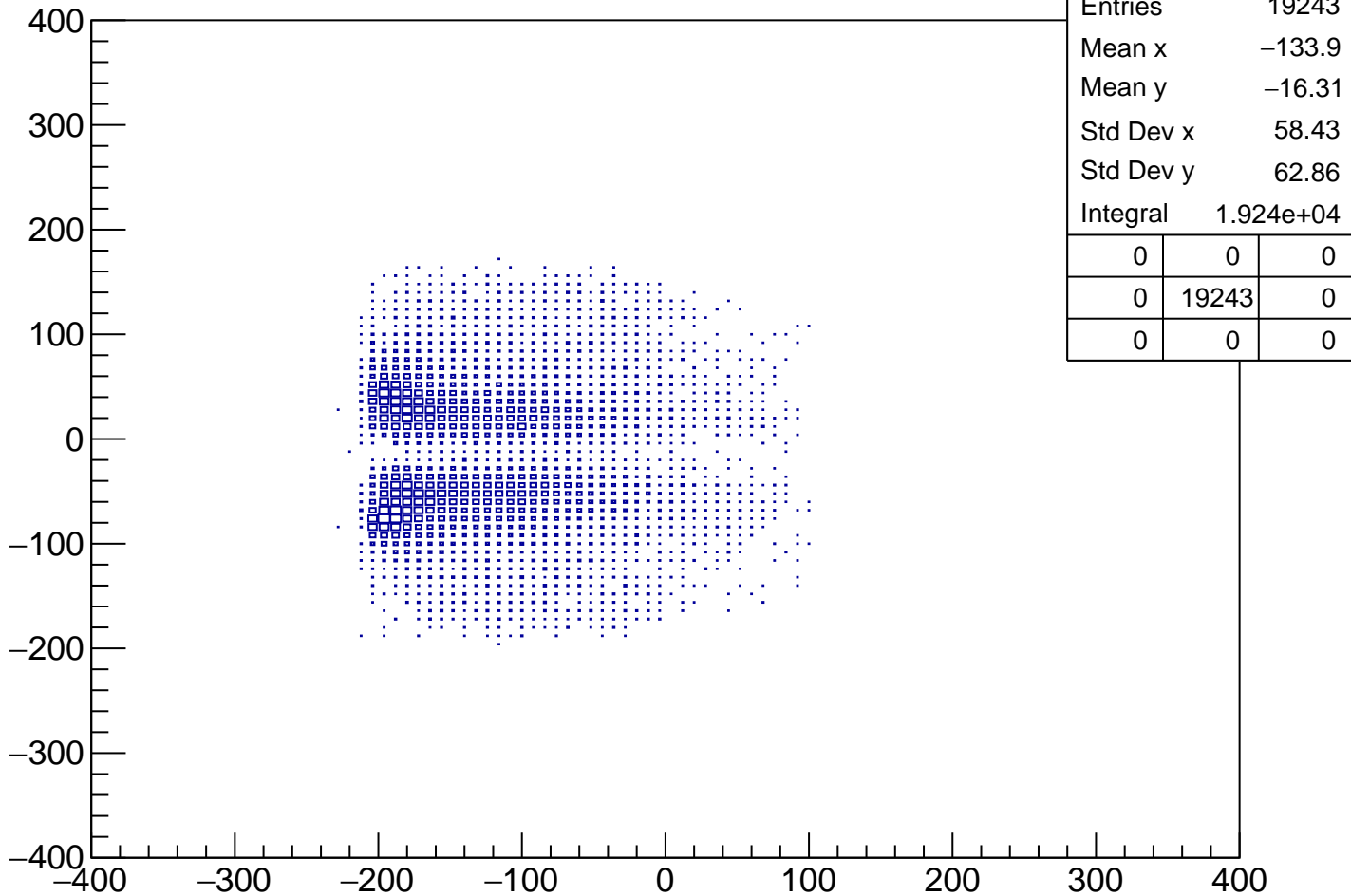


Entries	19243	
Mean x	0.03853	
Mean y	1.1	
Std Dev x	0.1716	
Std Dev y	0.05869	
Integral	1.815e+04	
0	0	0
714	18154	375
0	0	0

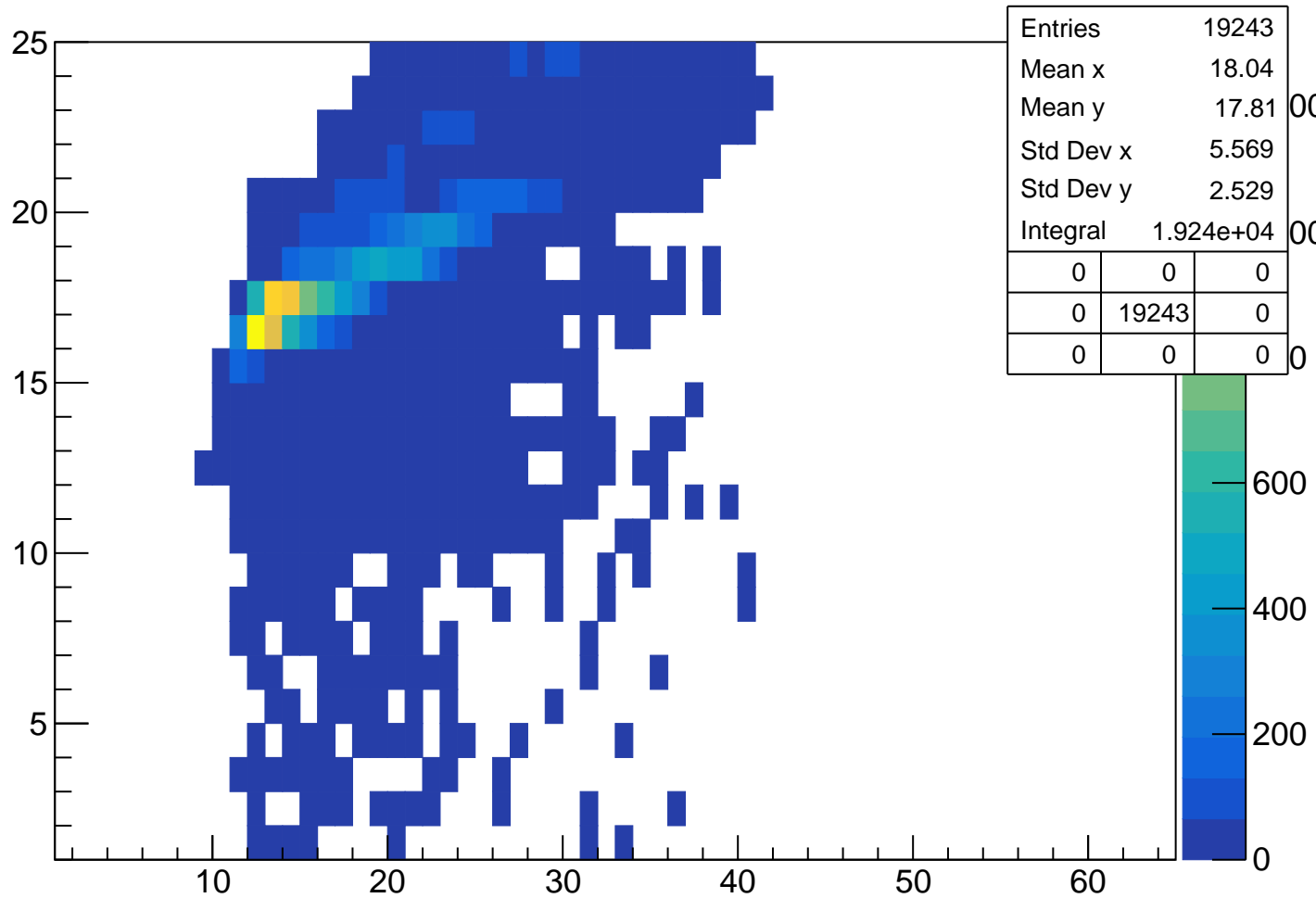
# vpy[1] vs vpx[1]      Cut4 1<pKurama[0]<1.2



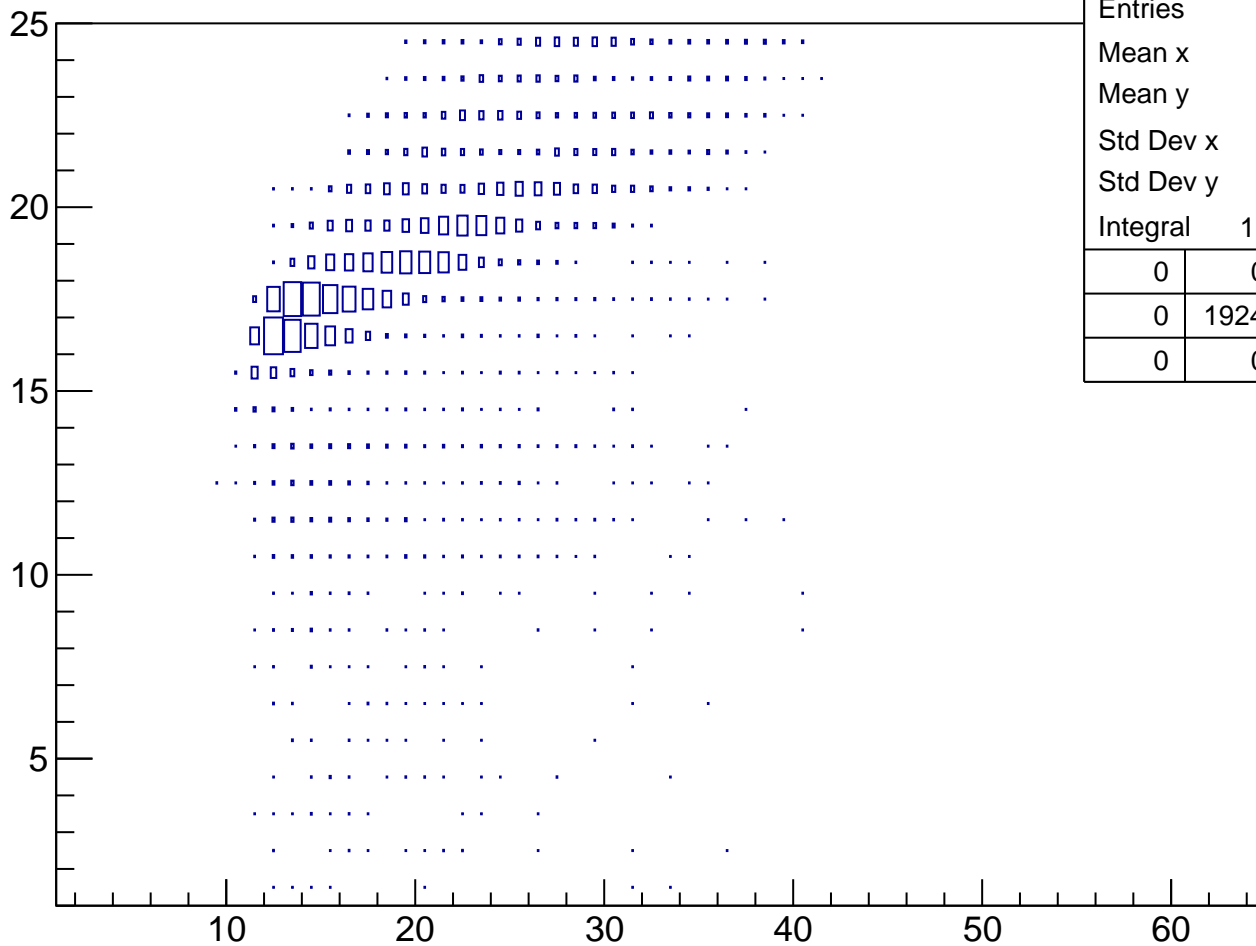
## vpy[1] vs vpx[1] Cut4 1&lt;pKurama[0]&lt;1.2



TofSeg[0] vs vpseg[1] Cut4 1<pKurama[0]<1.2



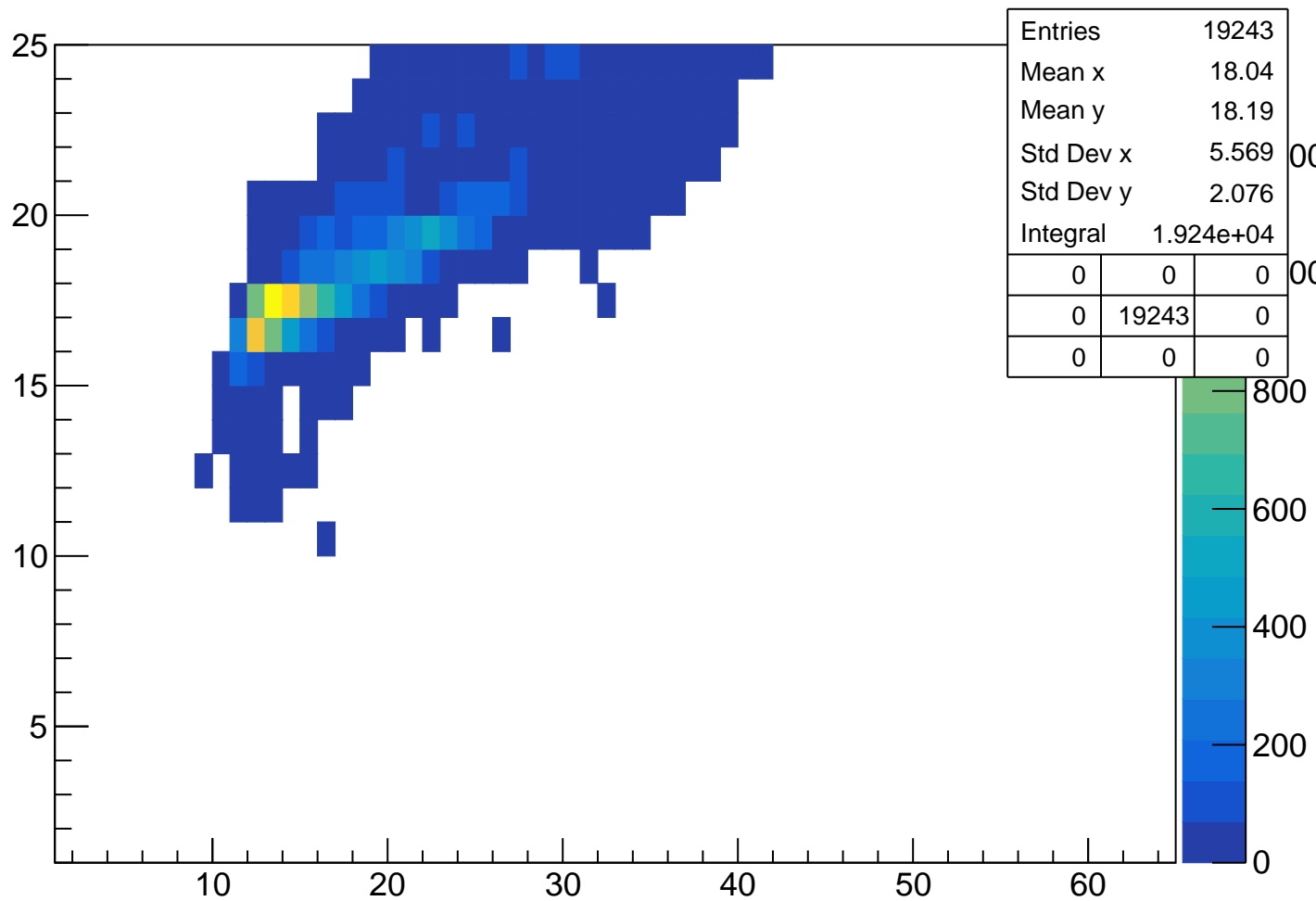
TofSeg[0] vs vpseg[1] Cut4 1<pKurama[0]<1.2



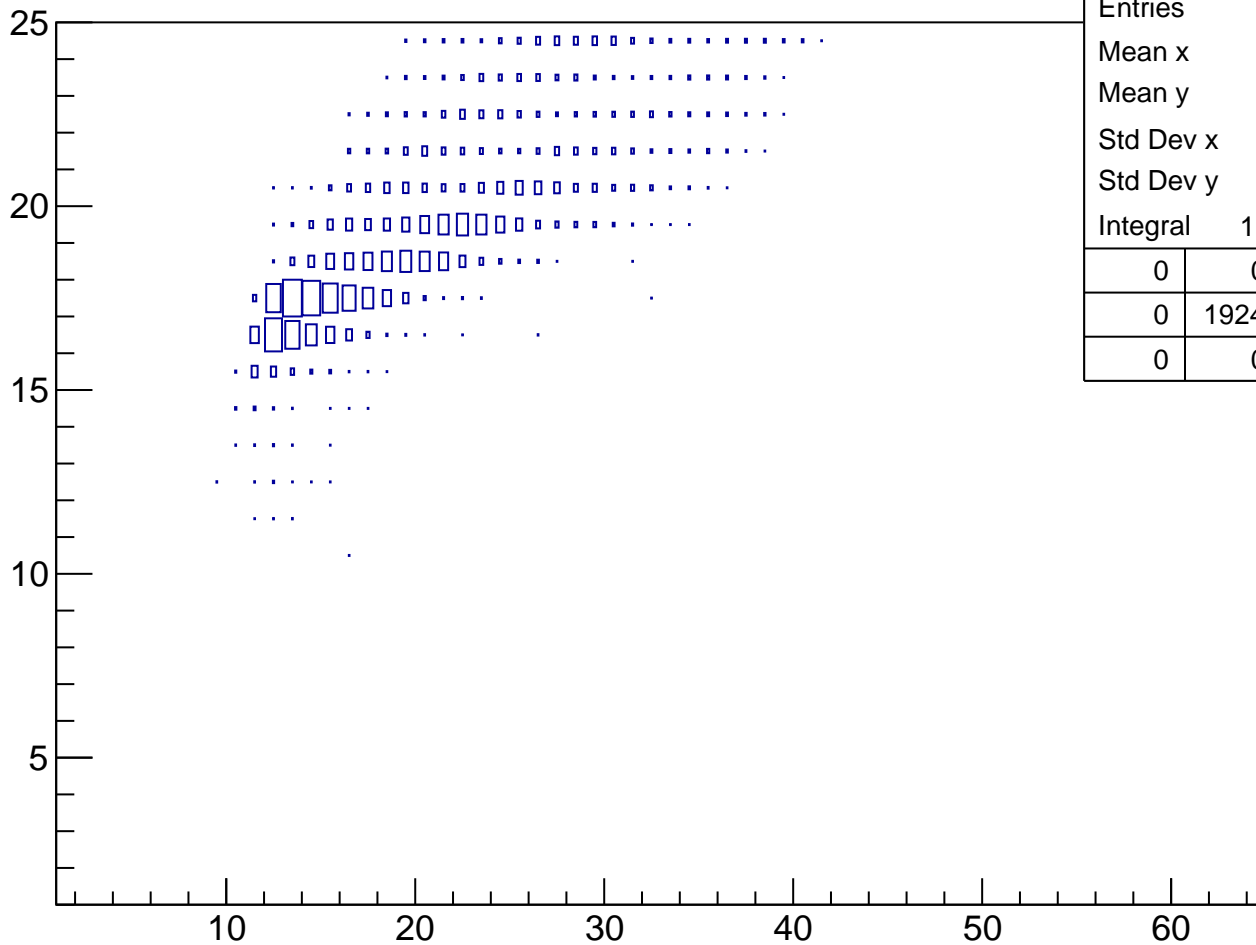
Entries	19243	
Mean x	18.04	
Mean y	17.81	
Std Dev x	5.569	
Std Dev y	2.529	
Integral	1.924e+04	
0	0	0
0	19243	0
0	0	0



tofsegKurama[0] vs vpseg[1] Cut4 1<pKurama[0]<1.2

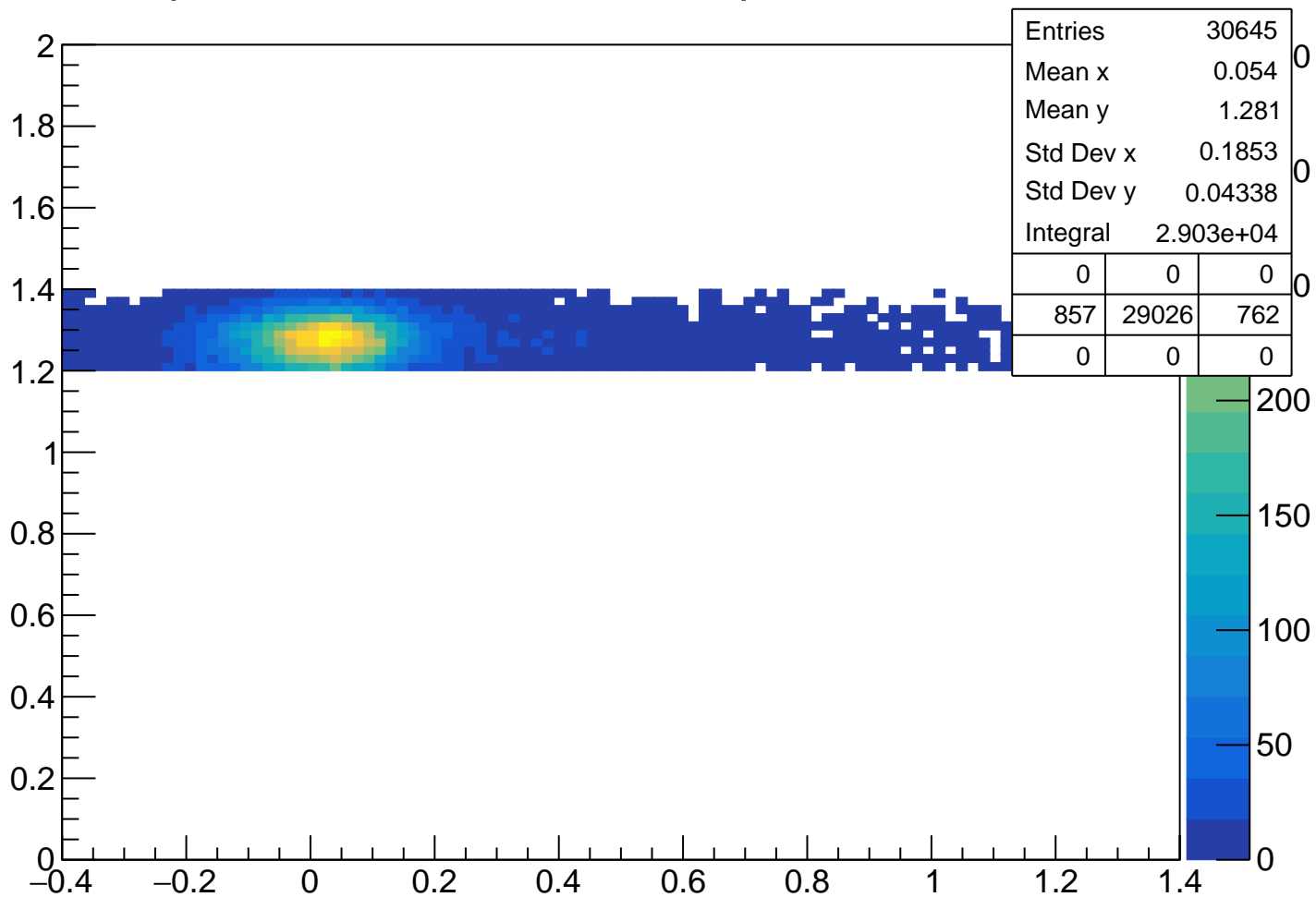


tofsegKurama[0] vs vpseg[1] Cut4 1<pKurama[0]<1.2

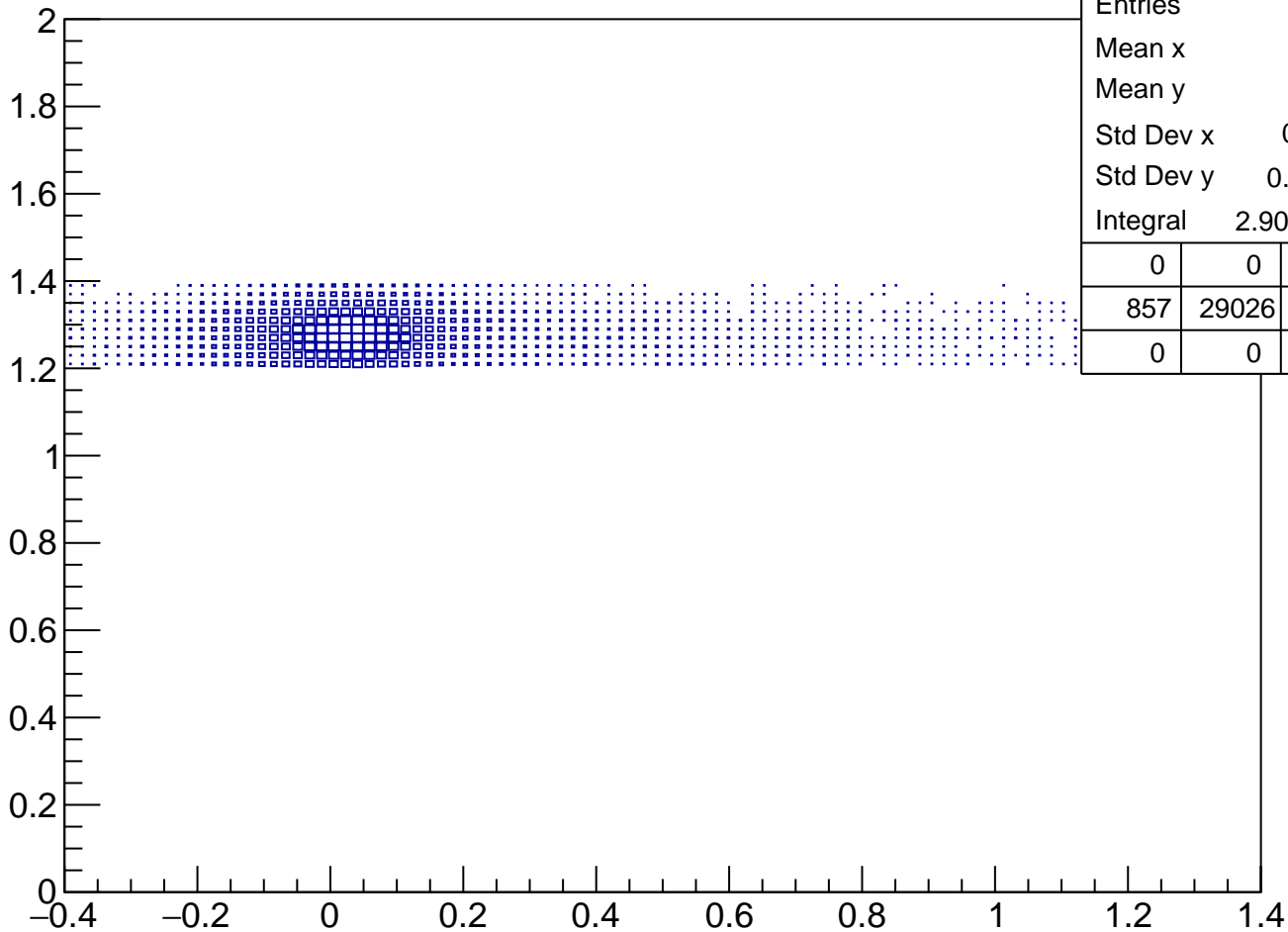


Entries	19243	
Mean x	18.04	
Mean y	18.19	
Std Dev x	5.569	
Std Dev y	2.076	
Integral	1.924e+04	
0	0	0
0	19243	0
0	0	0

# pKurama vs m2 Cut4 1.2<pKurama[0]<1.4

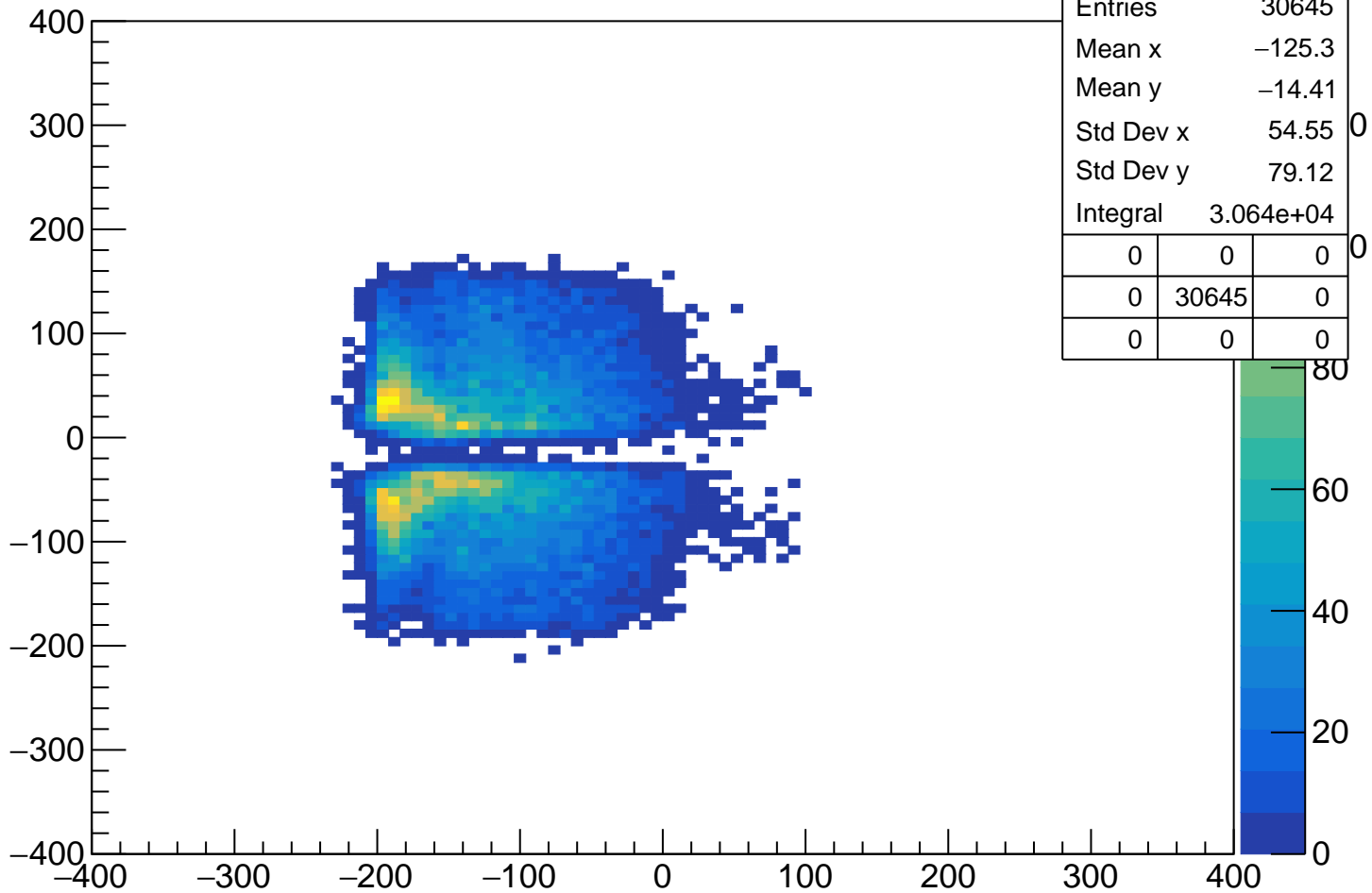


# pKurama vs m2 Cut4 1.2<pKurama[0]<1.4

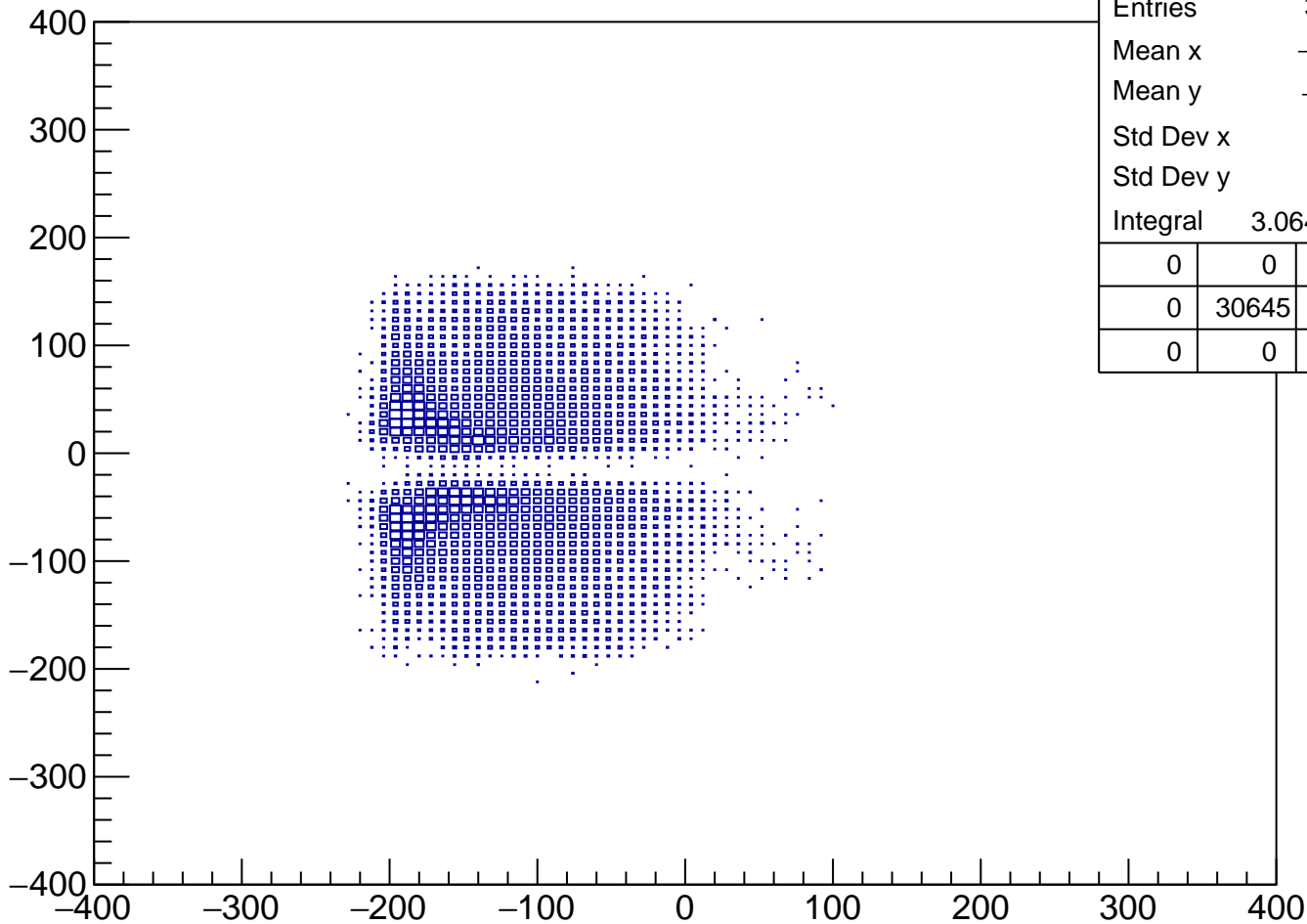


Entries	30645	
Mean x	0.054	
Mean y	1.281	
Std Dev x	0.1853	
Std Dev y	0.04338	
Integral	2.903e+04	
0	0	0
857	29026	762
0	0	0

vpy[1] vs vpx[1]      Cut4 1.2<pKurama[0]<1.4

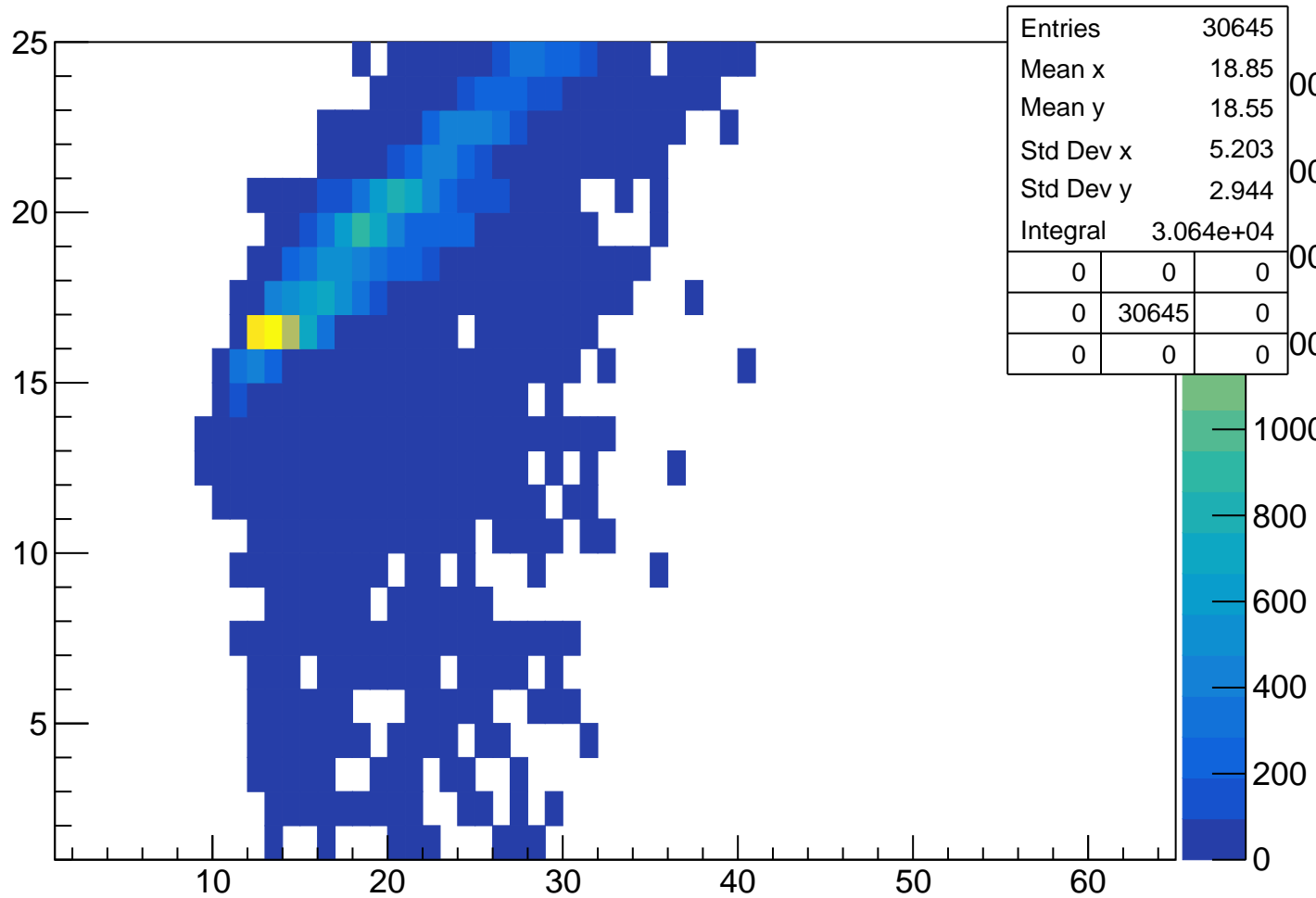


# vpy[1] vs vpx[1]      Cut4 1.2<pKurama[0]<1.4

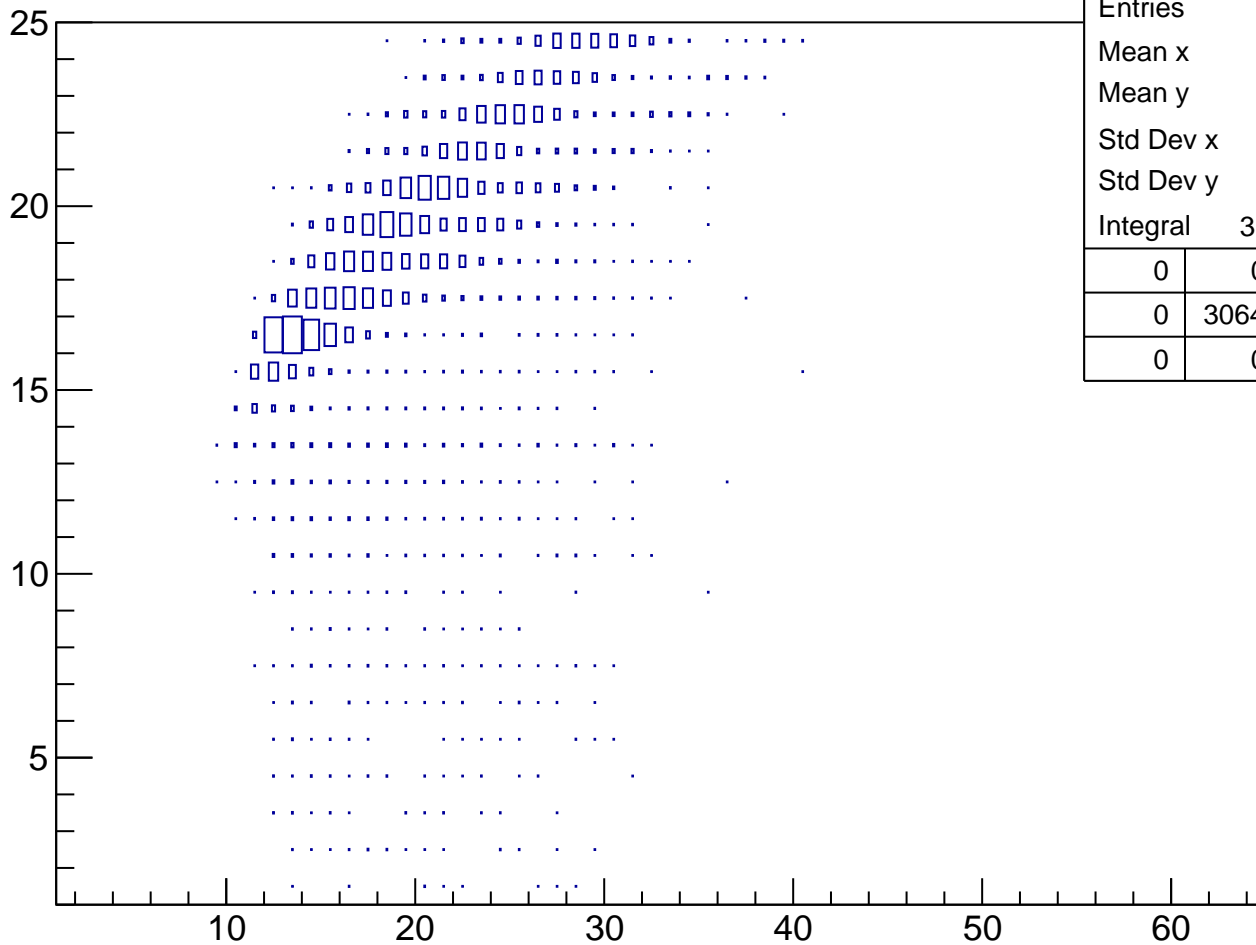


Entries	30645	
Mean x	-125.3	
Mean y	-14.41	
Std Dev x	54.55	
Std Dev y	79.12	
Integral	3.064e+04	
0	0	0
0	30645	0
0	0	0

TofSeg[0] vs vpseg[1] Cut4 1.2<pKurama[0]<1.4



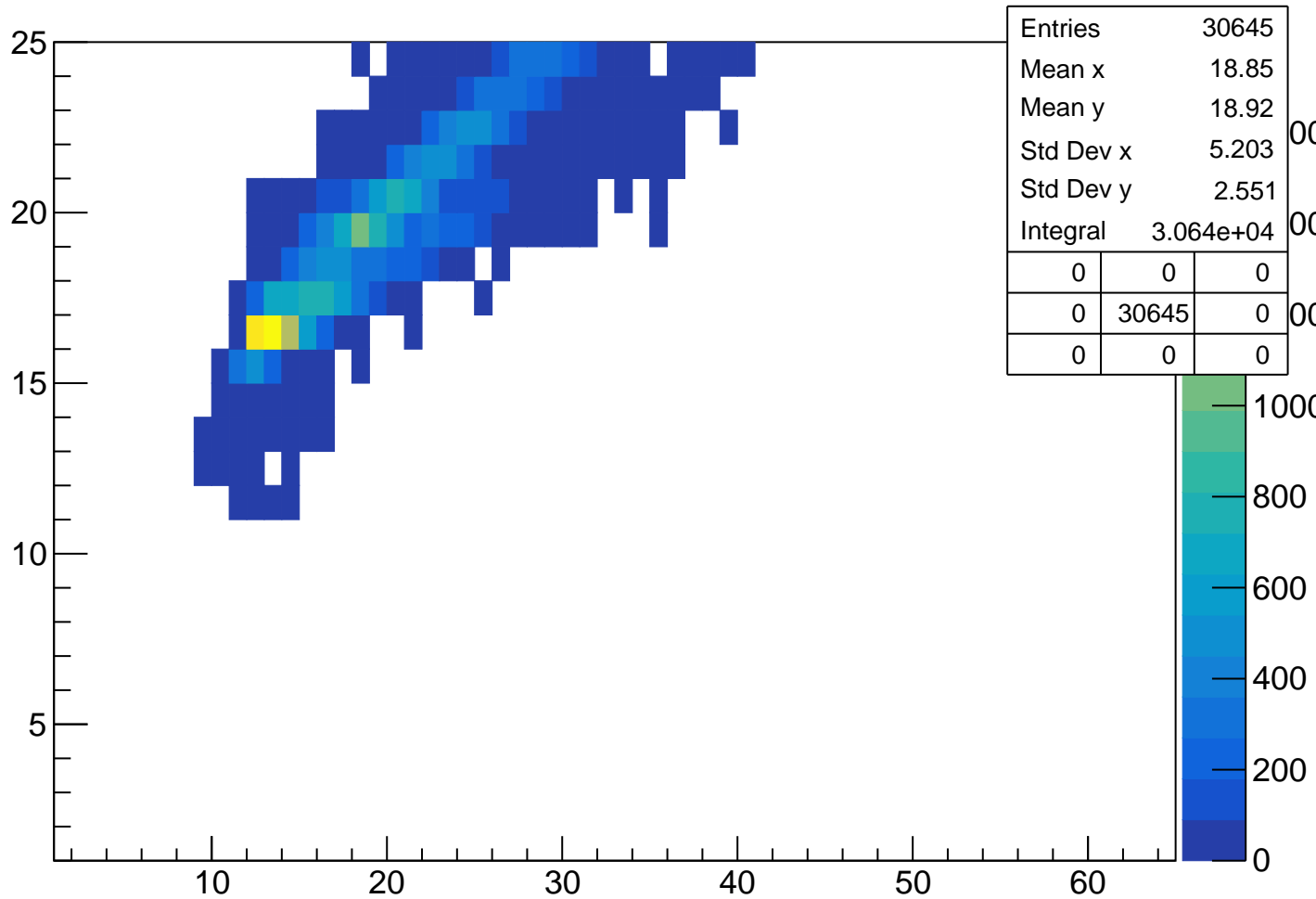
TofSeg[0] vs vpseg[1] Cut4 1.2<pKurama[0]<1.4



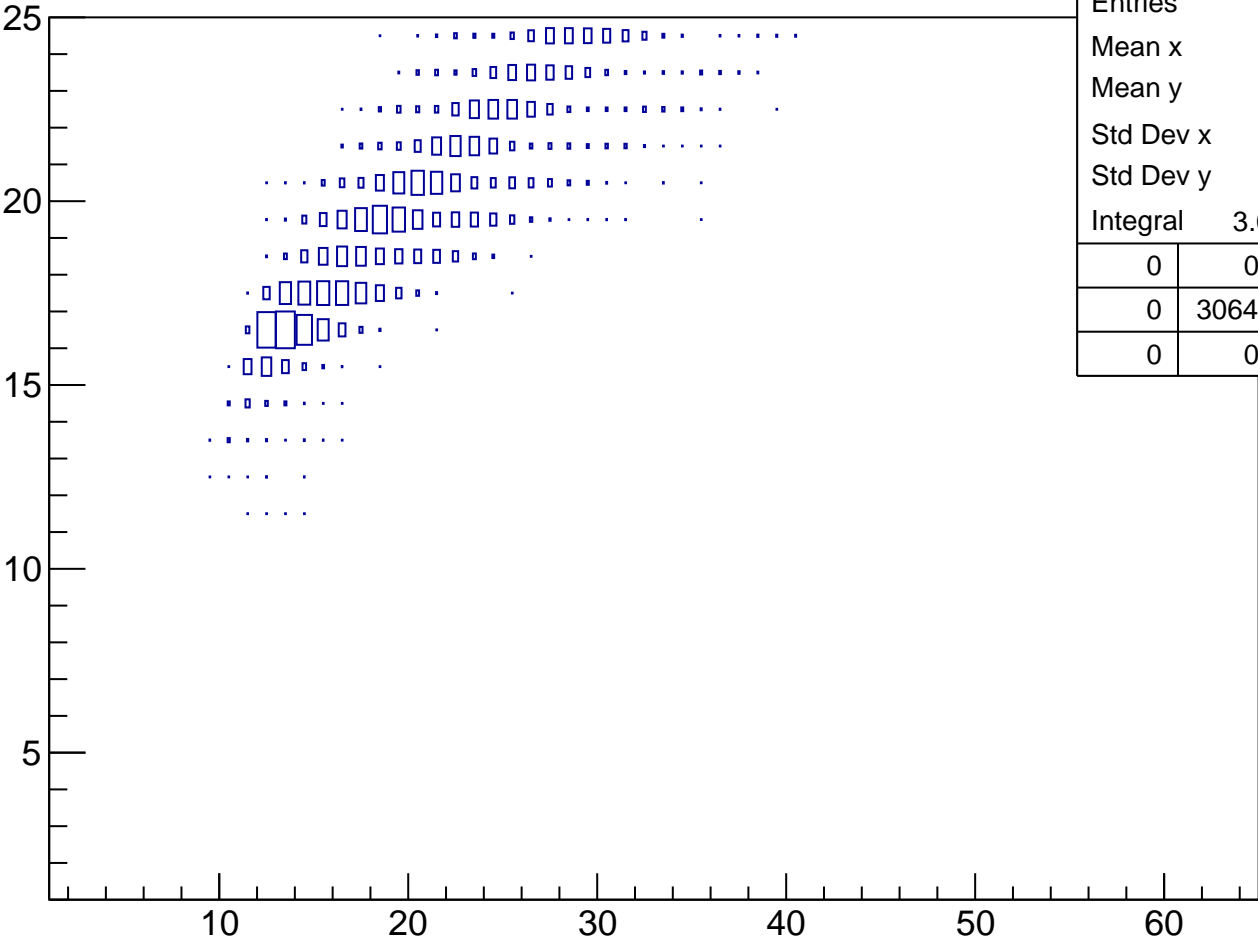
Entries	30645	
Mean x	18.85	
Mean y	18.55	
Std Dev x	5.203	
Std Dev y	2.944	
Integral	3.064e+04	
	0	0
	0	30645
	0	0



tofsegKurama[0] vs vpseg[1] Cut4 1.2<pKurama[0]<1.4

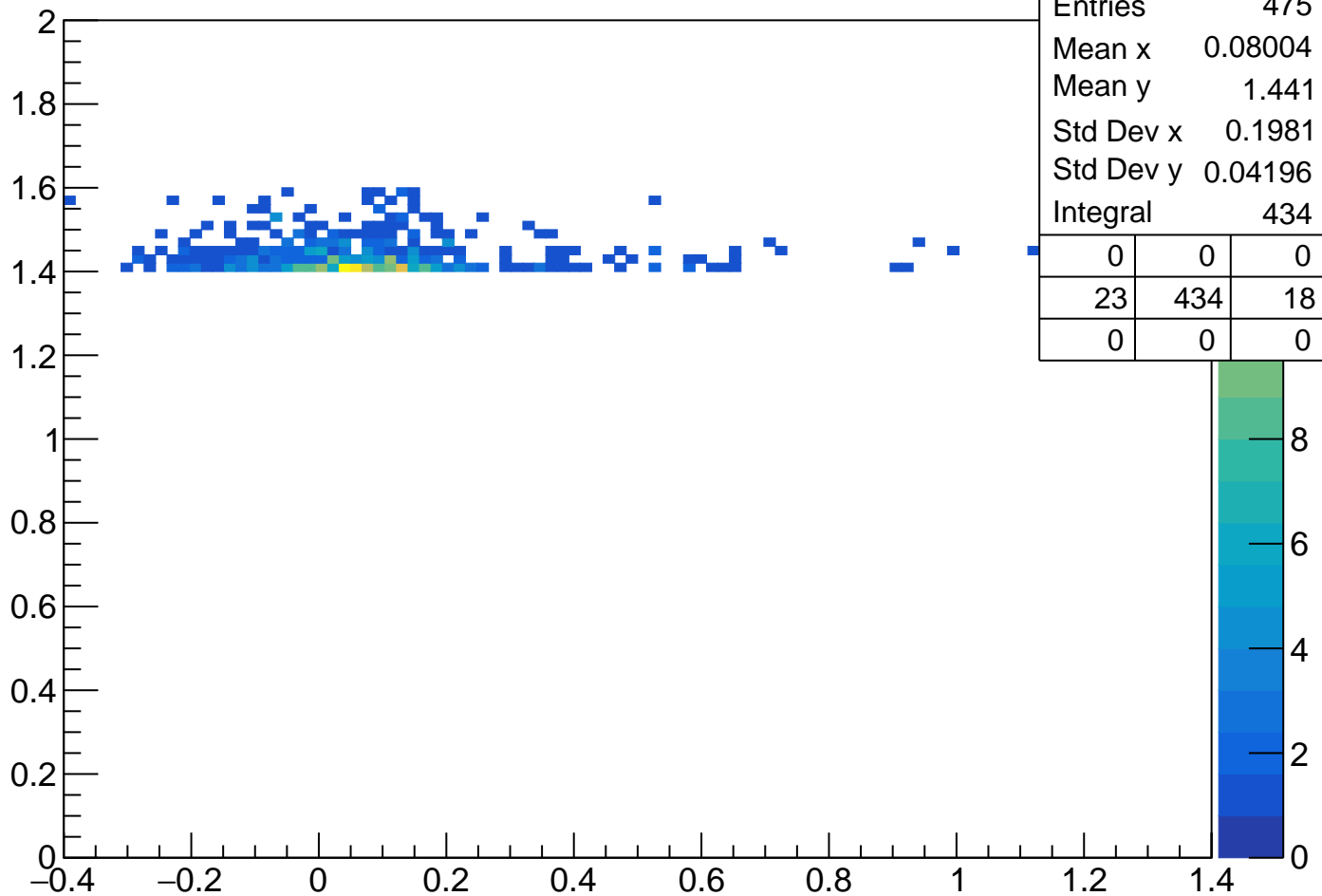


tofsegKurama[0] vs vpseg[1] Cut4 1.2<pKurama[0]<1.4

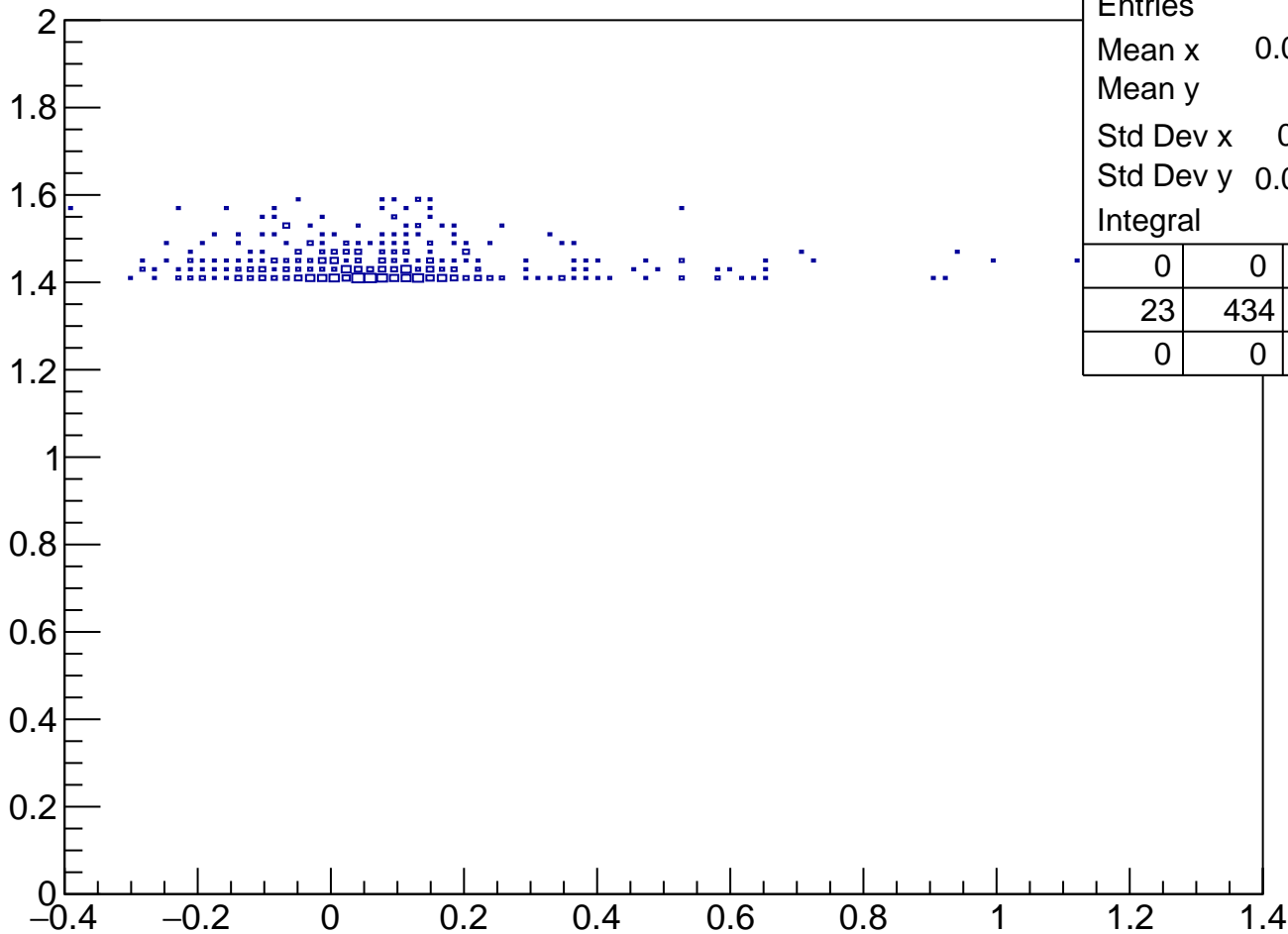


Entries	30645		
Mean x	18.85		
Mean y	18.92		
Std Dev x	5.203		
Std Dev y	2.551		
Integral	3.064e+04		
0	0	0	
0	30645	0	
0	0	0	

# pKurama vs m2 Cut4 1.4<pKurama[0]<1.6

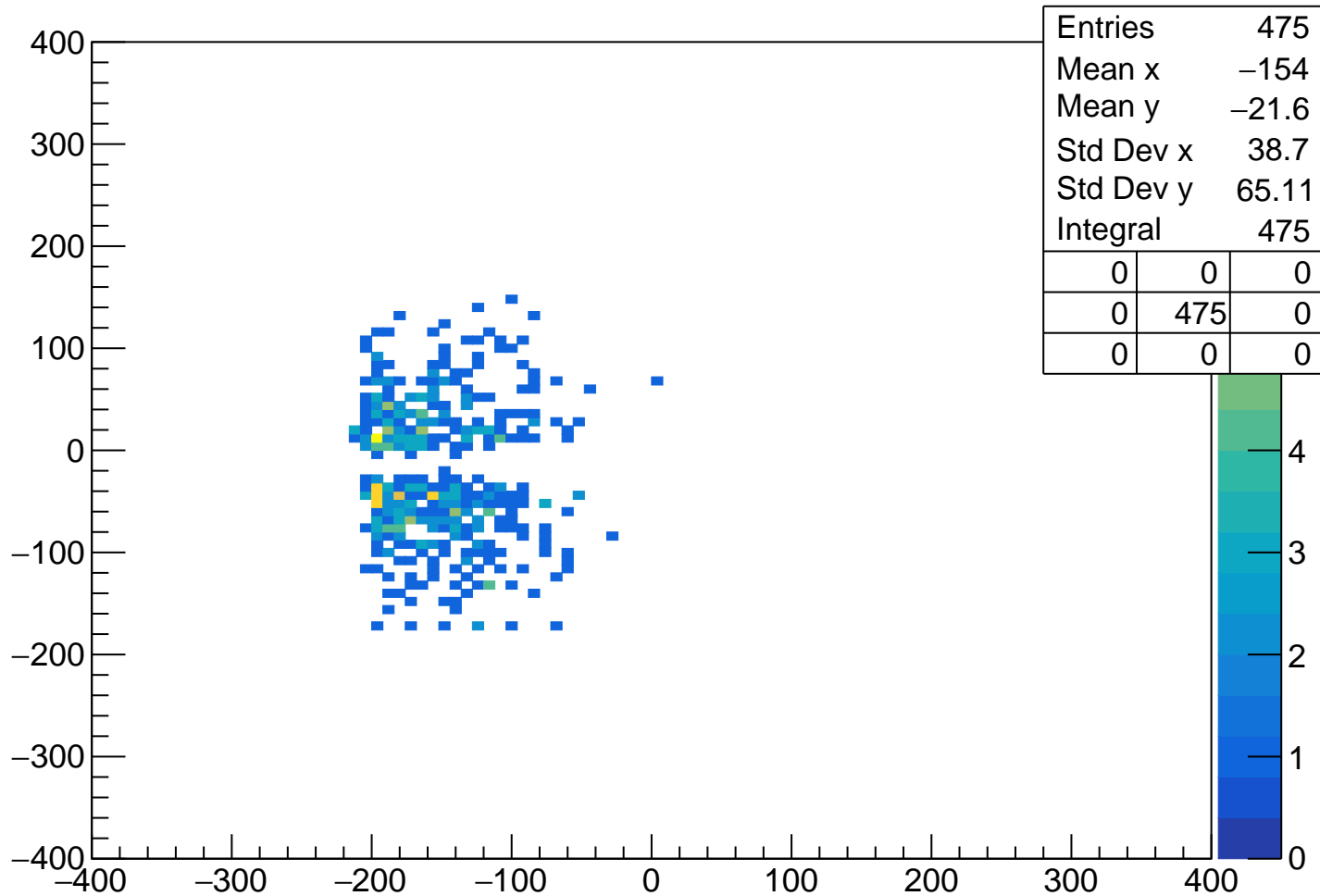


# pKurama vs m2 Cut4 $1.4 < \text{pKurama}[0] < 1.6$

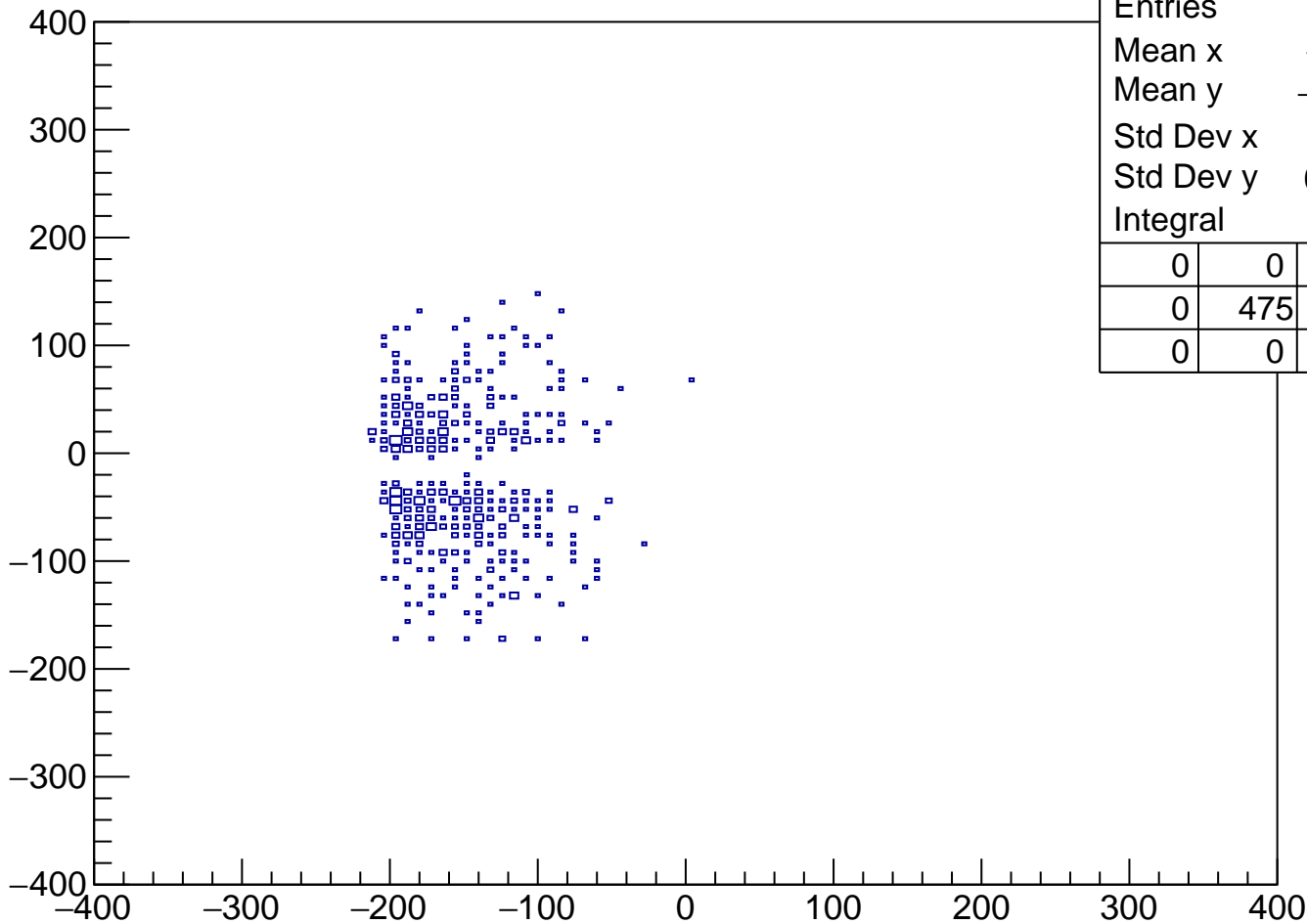


Entries	475	
Mean x	0.08004	
Mean y	1.441	
Std Dev x	0.1981	
Std Dev y	0.04196	
Integral	434	
0	0	0
23	434	18
0	0	0

vpy[1] vs vpx[1]      Cut4 1.4<pKurama[0]<1.6

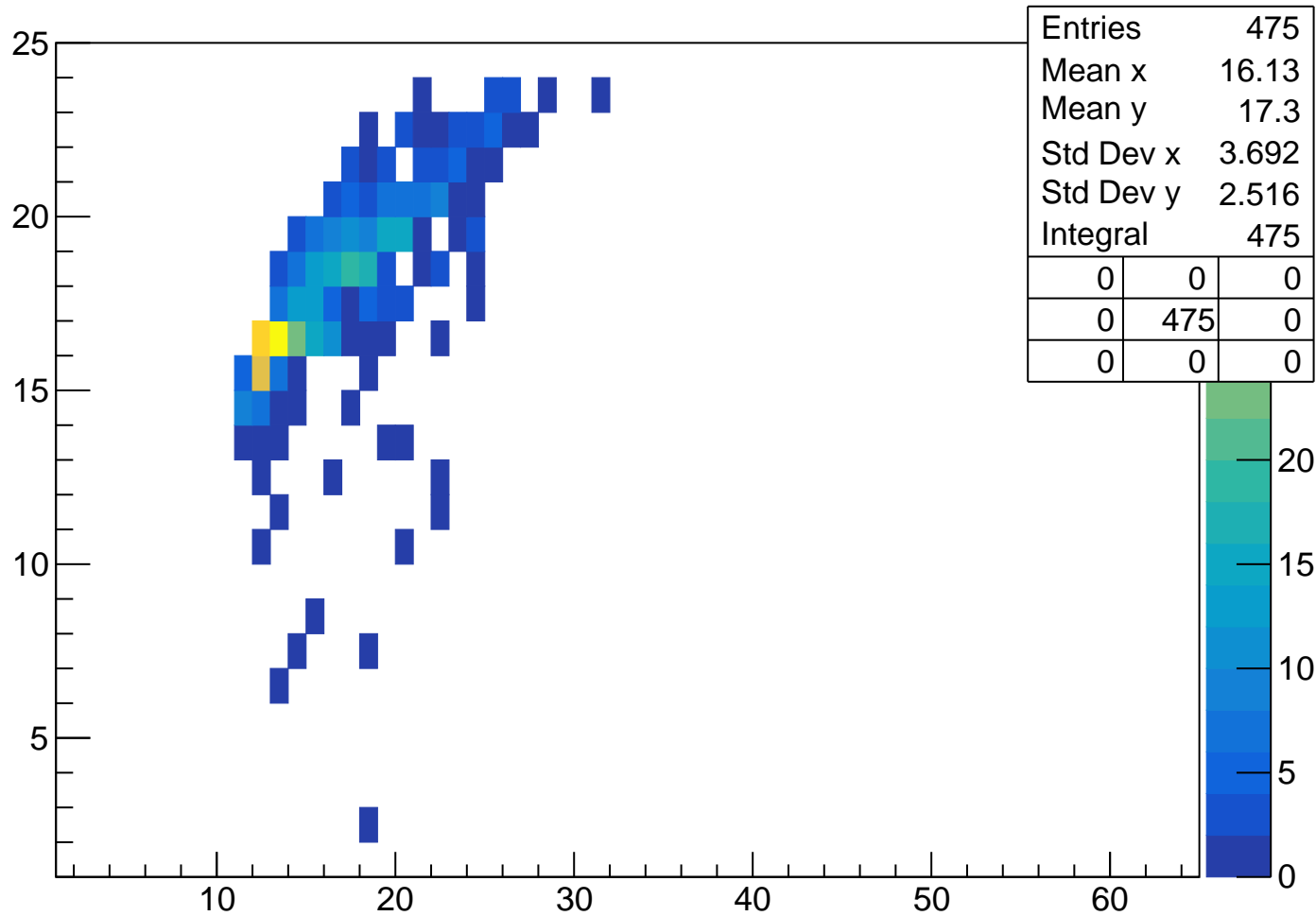


vpy[1] vs vpx[1]      Cut4 1.4<pKurama[0]<1.6

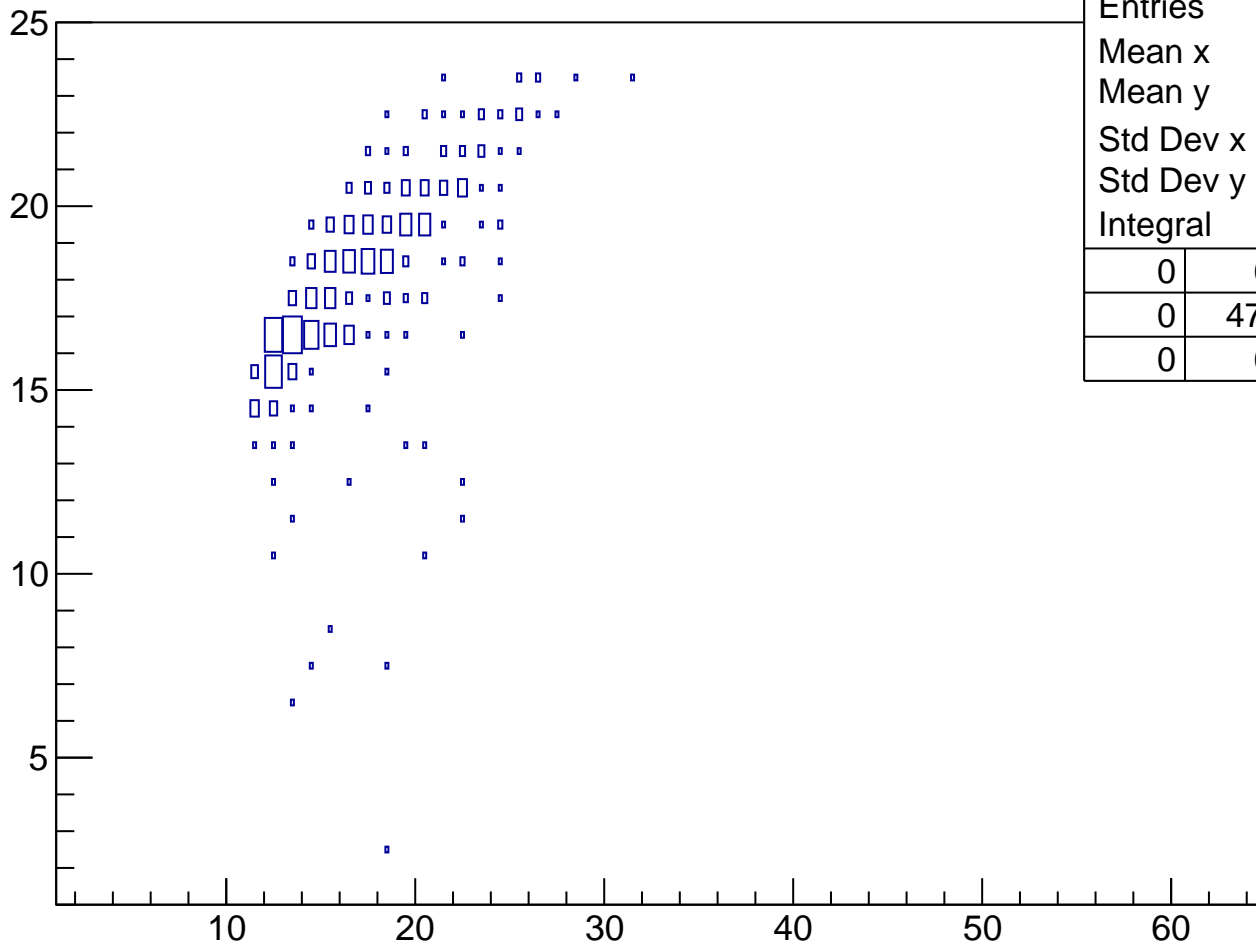


Entries	475		
Mean x	-154		
Mean y	-21.6		
Std Dev x	38.7		
Std Dev y	65.11		
Integral	475		
0	0	0	
0	475	0	
0	0	0	

TofSeg[0] vs vpseg[1] Cut4 1.4<pKurama[0]<1.6



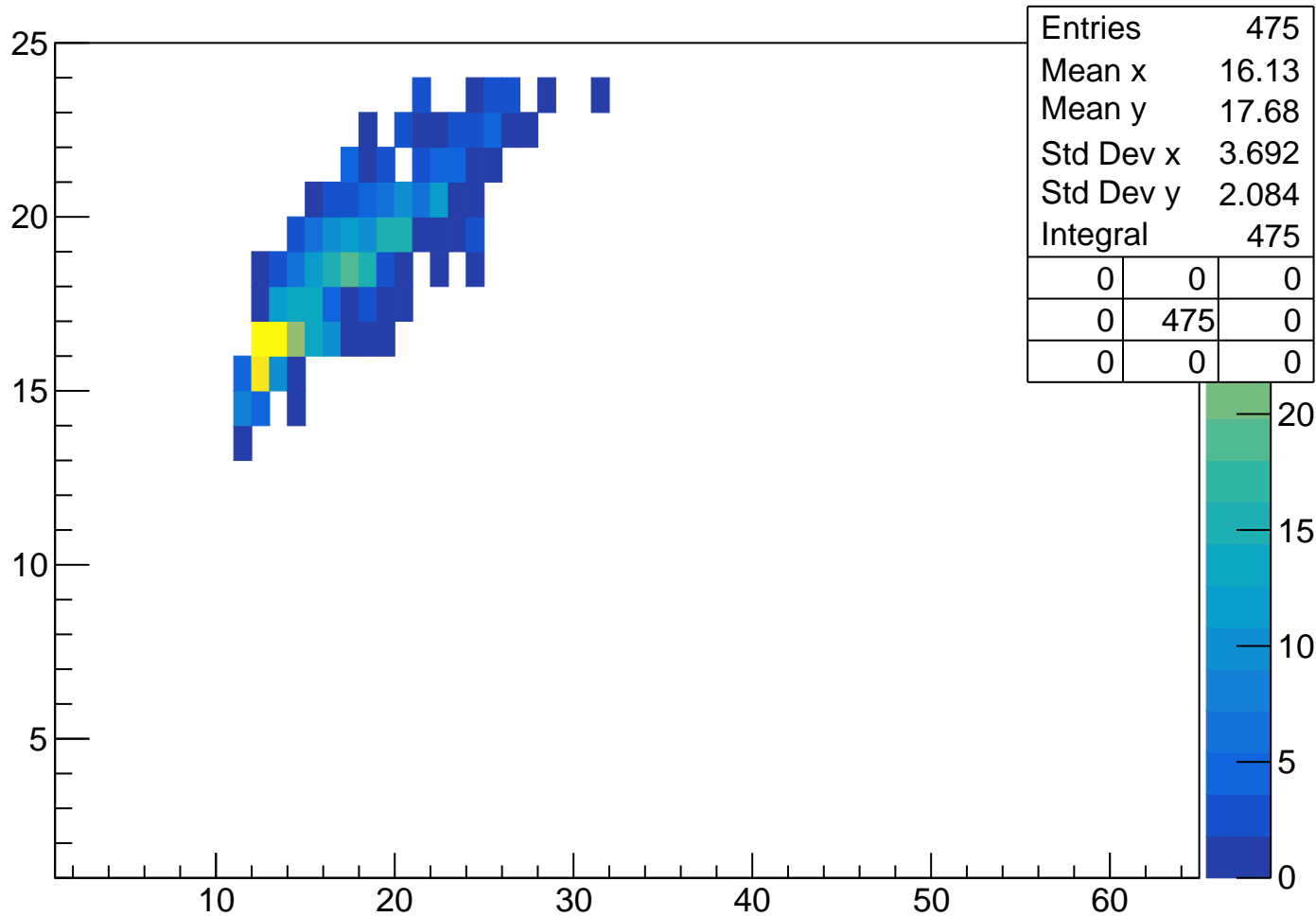
TofSeg[0] vs vpseg[1] Cut4 1.4<pKurama[0]<1.6



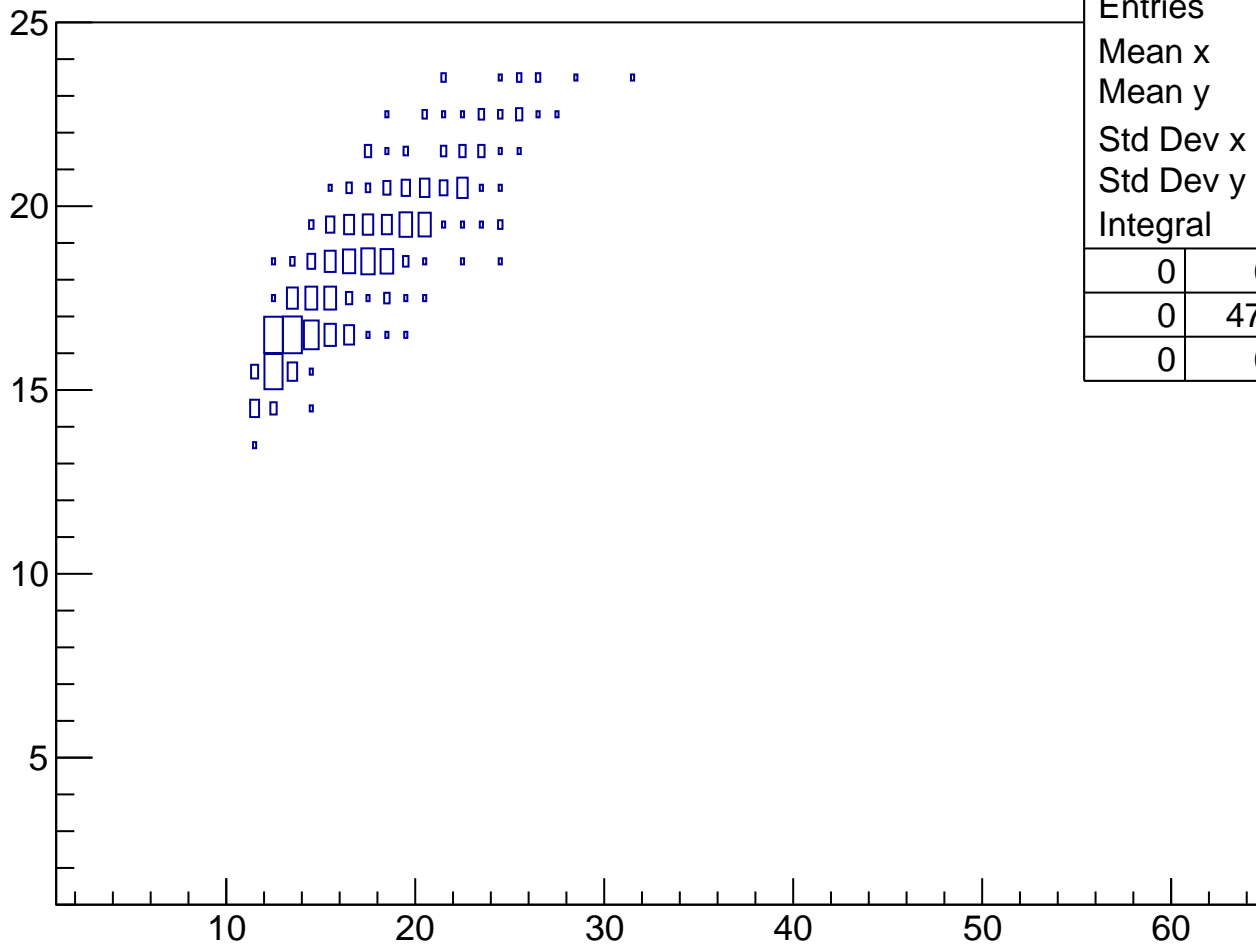
Entries	475	
Mean x	16.13	
Mean y	17.3	
Std Dev x	3.692	
Std Dev y	2.516	
Integral	475	
0	0	0
0	475	0
0	0	0



tofsegKurama[0] vs vpseg[1] Cut4 1.4<pKurama[0]<1.6

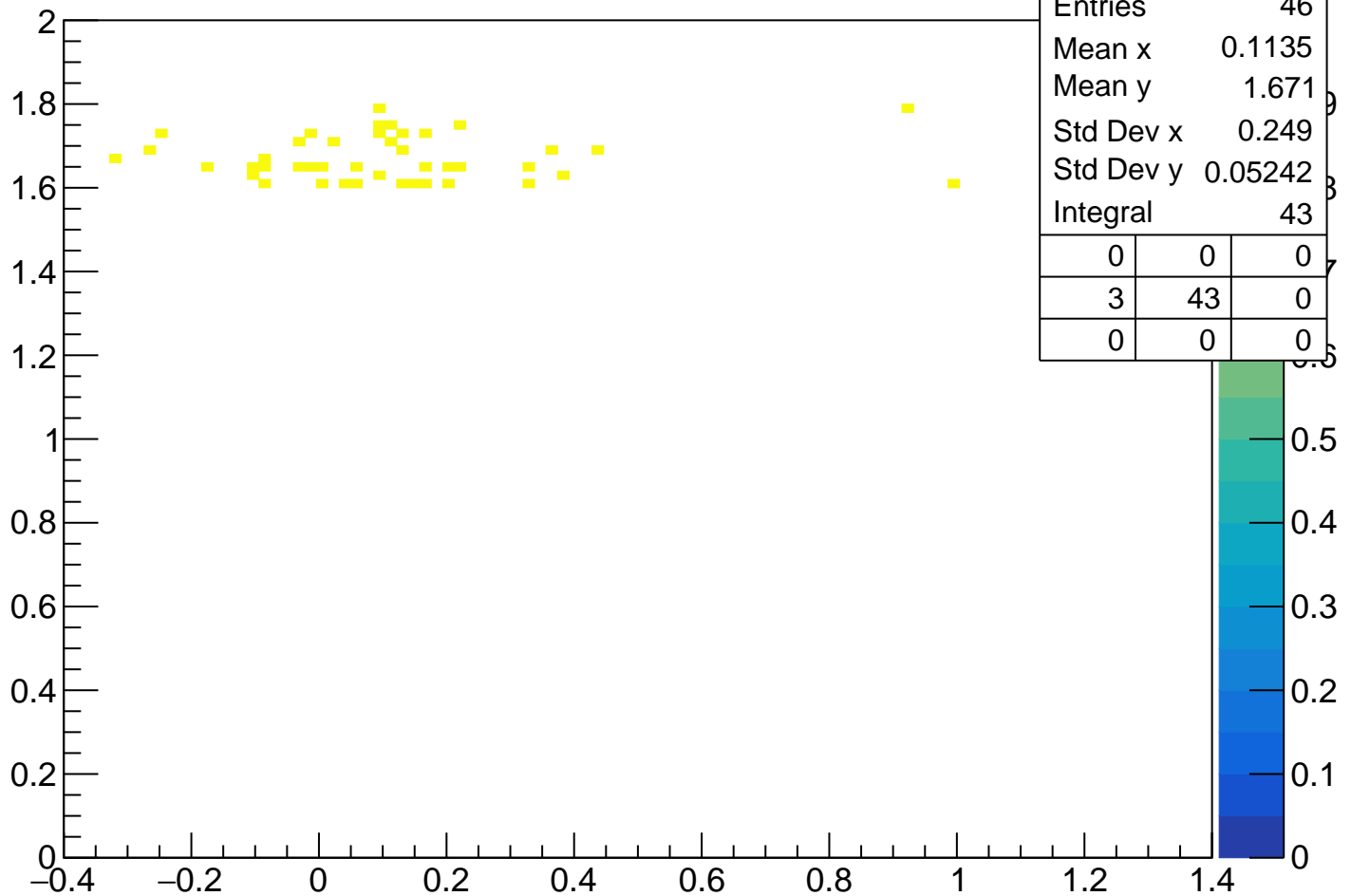


tofsegKurama[0] vs vpseg[1] Cut4 1.4<pKurama[0]<1.6

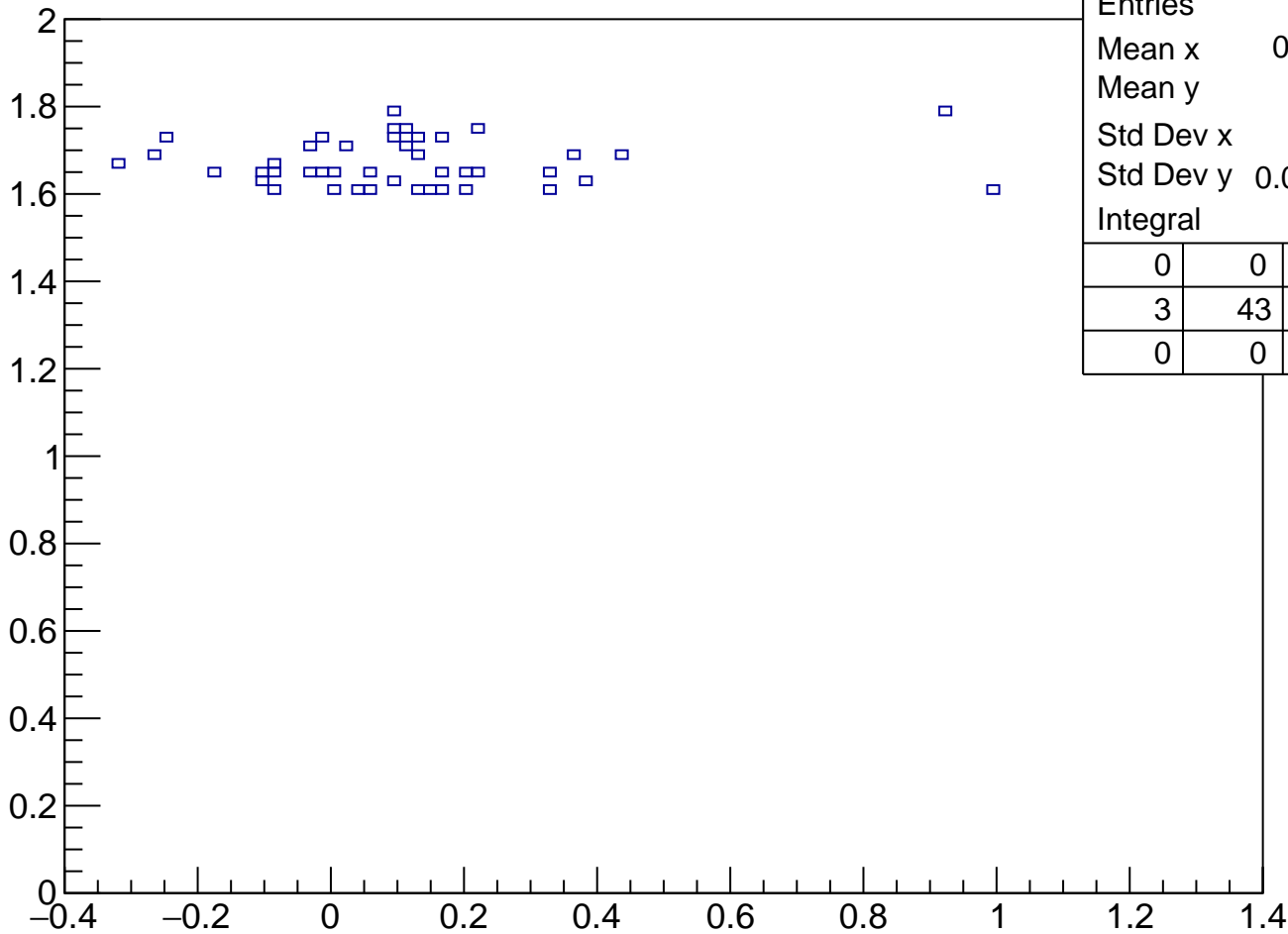


Entries	475	
Mean x	16.13	
Mean y	17.68	
Std Dev x	3.692	
Std Dev y	2.084	
Integral	475	
0	0	0
0	475	0
0	0	0

# pKurama vs m2 Cut4 1.6<pKurama[0]<1.8

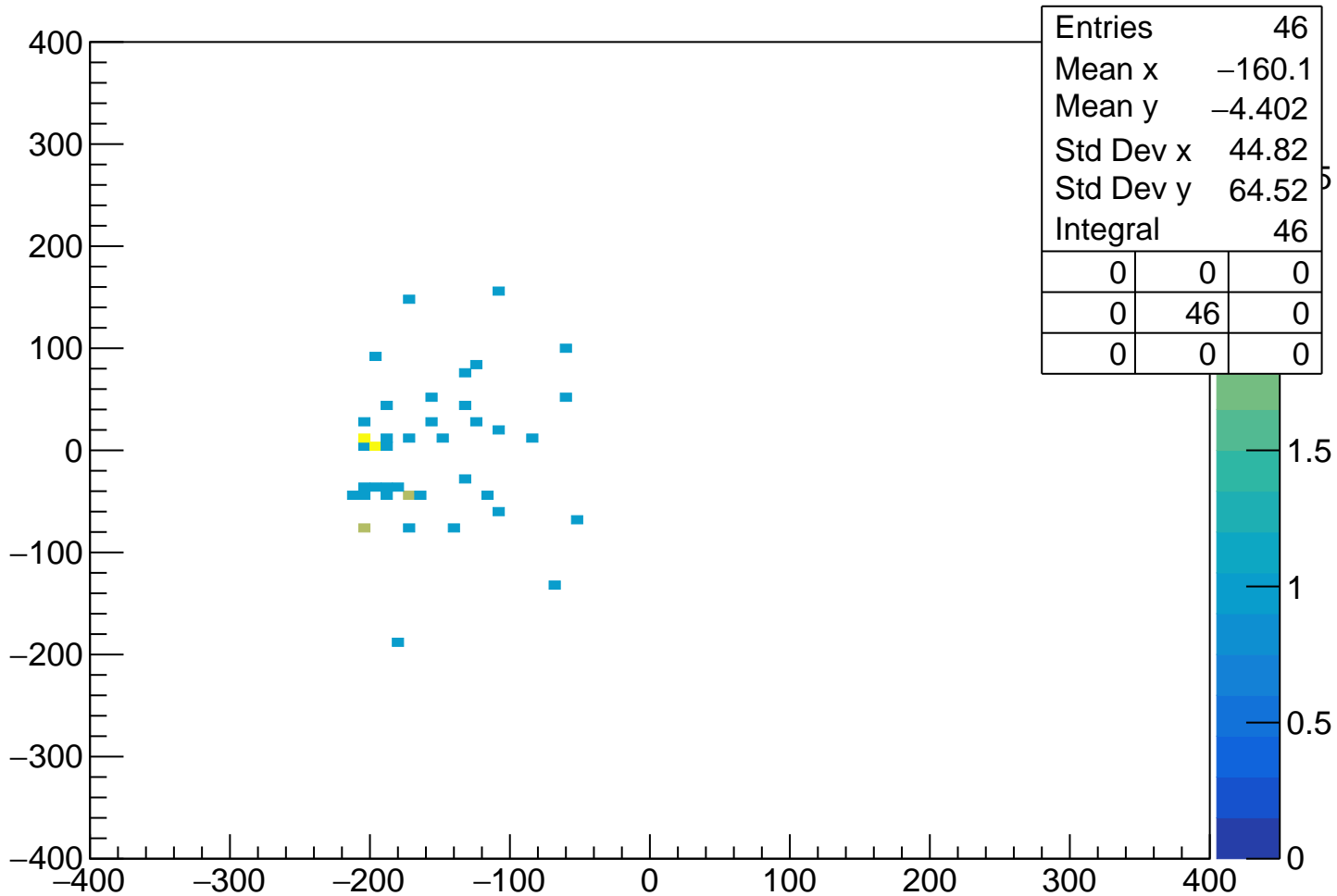


# pKurama vs m2 Cut4 1.6<pKurama[0]<1.8

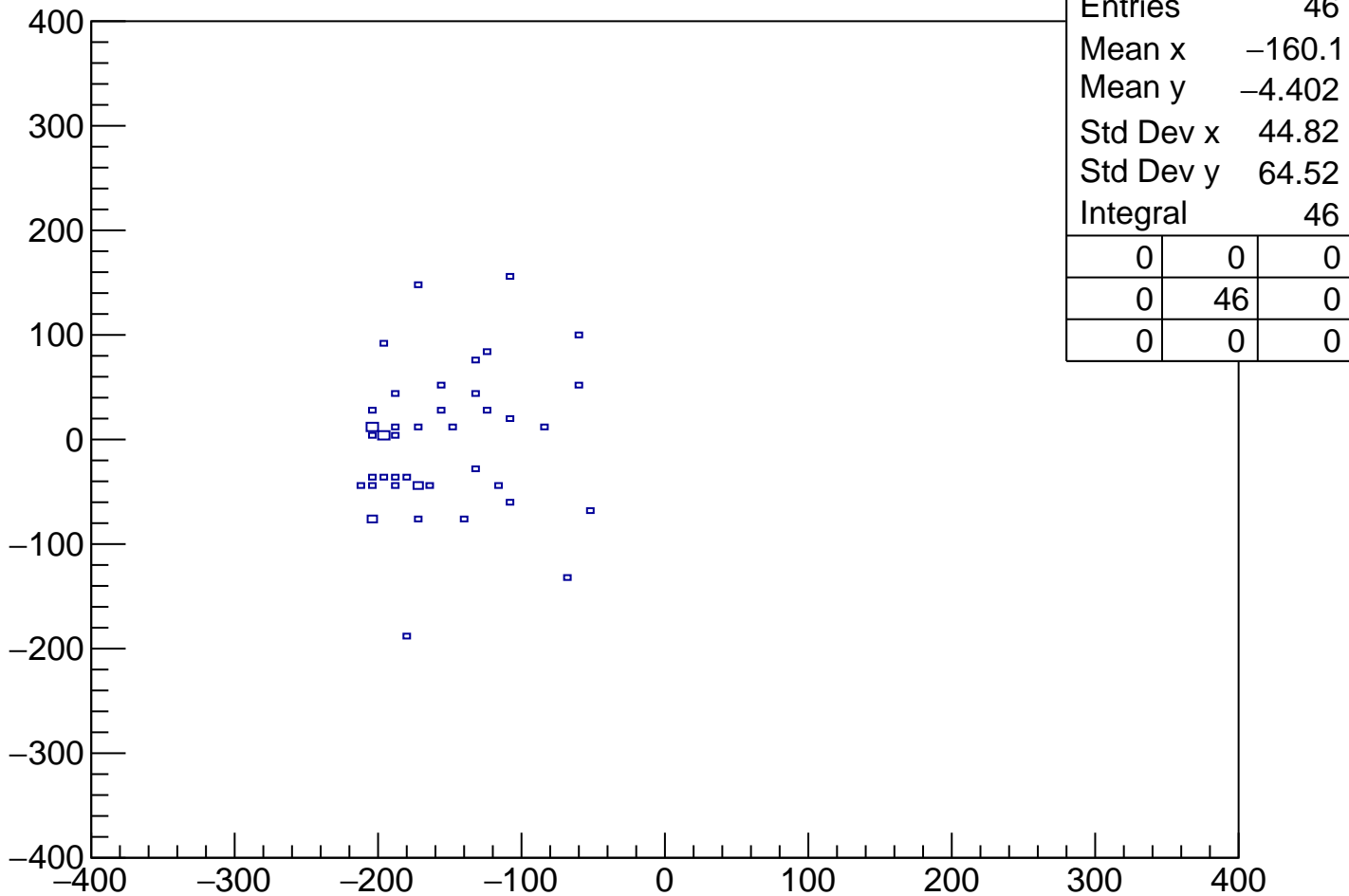


Entries	46		
Mean x	0.1135		
Mean y	1.671		
Std Dev x	0.249		
Std Dev y	0.05242		
Integral	43		
0	0	0	
3	43	0	
0	0	0	

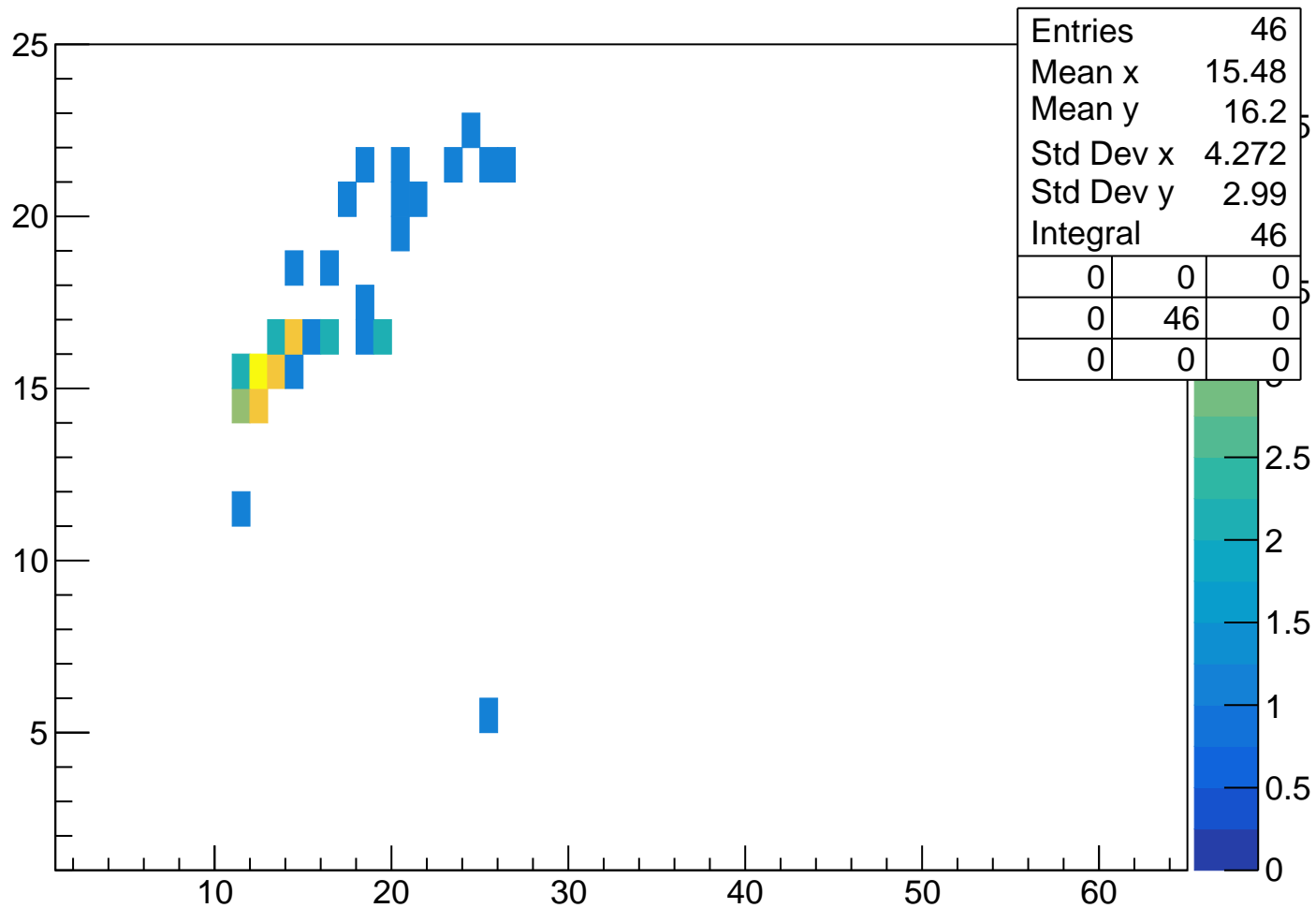
vpy[1] vs vpx[1]      Cut4 1.6<pKurama[0]<1.8



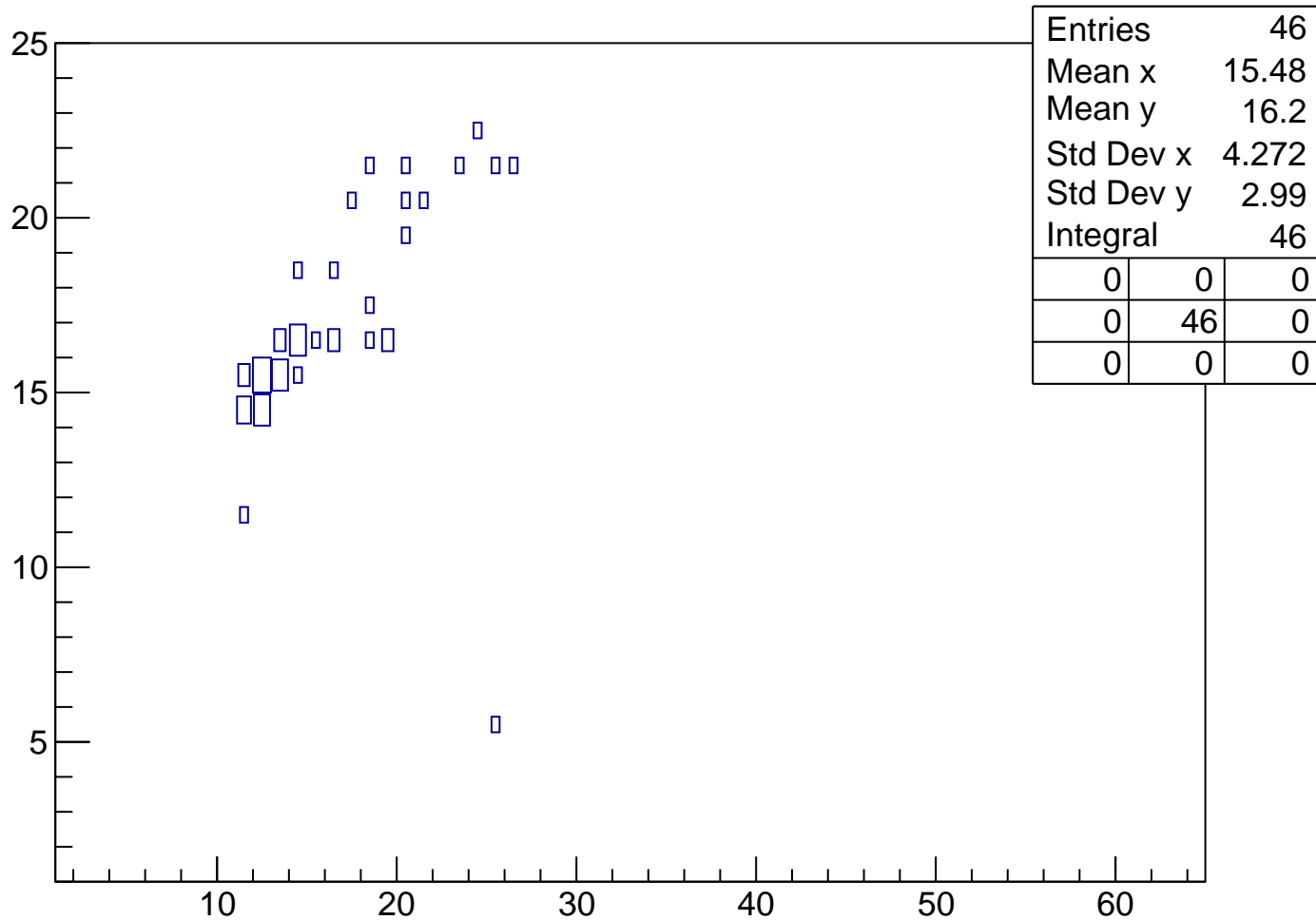
vpy[1] vs vpx[1]      Cut4 1.6<pKurama[0]<1.8



TofSeg[0] vs vpseg[1] Cut4 1.6<pKurama[0]<1.8

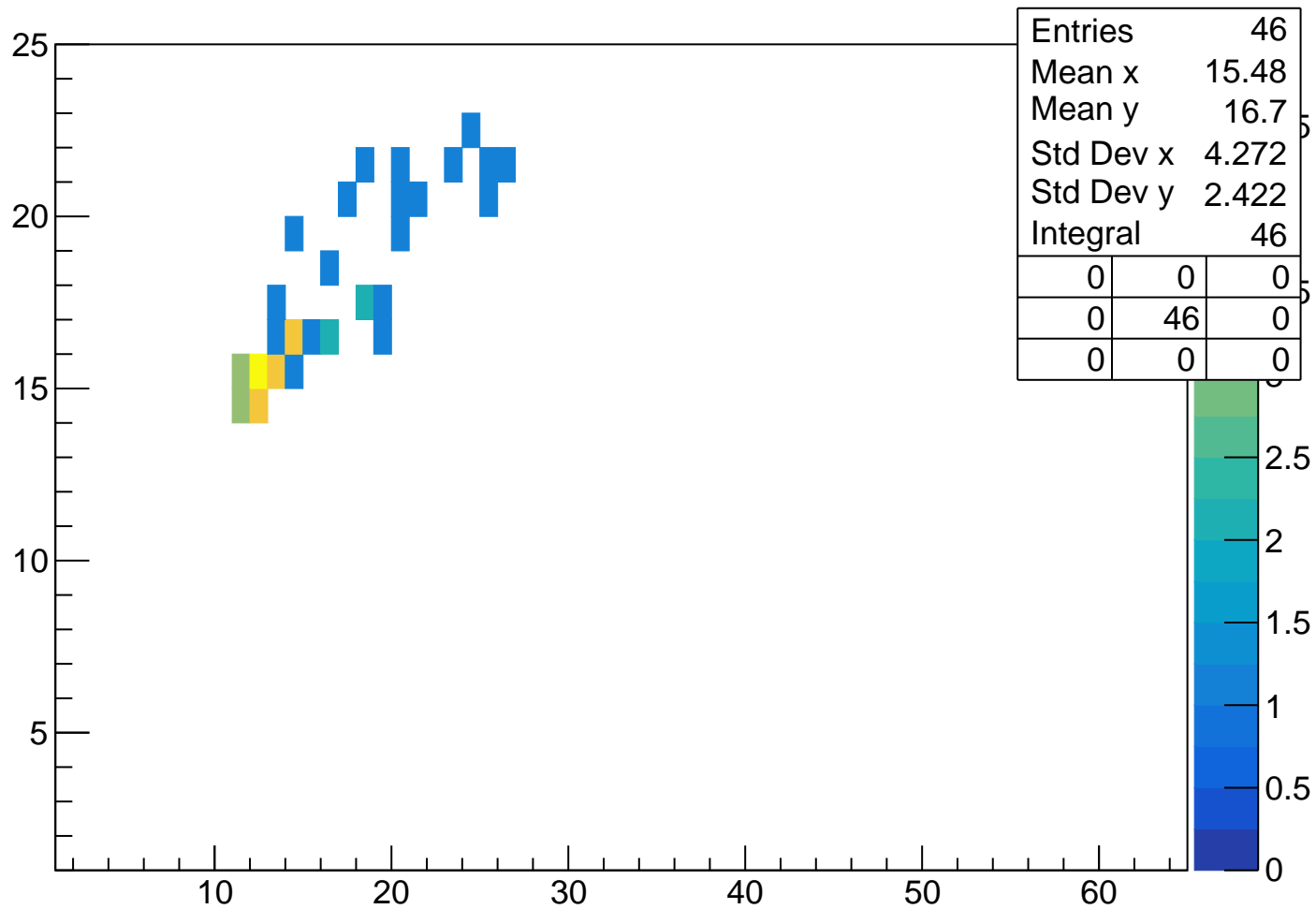


TofSeg[0] vs vpseg[1] Cut4 1.6<pKurama[0]<1.8

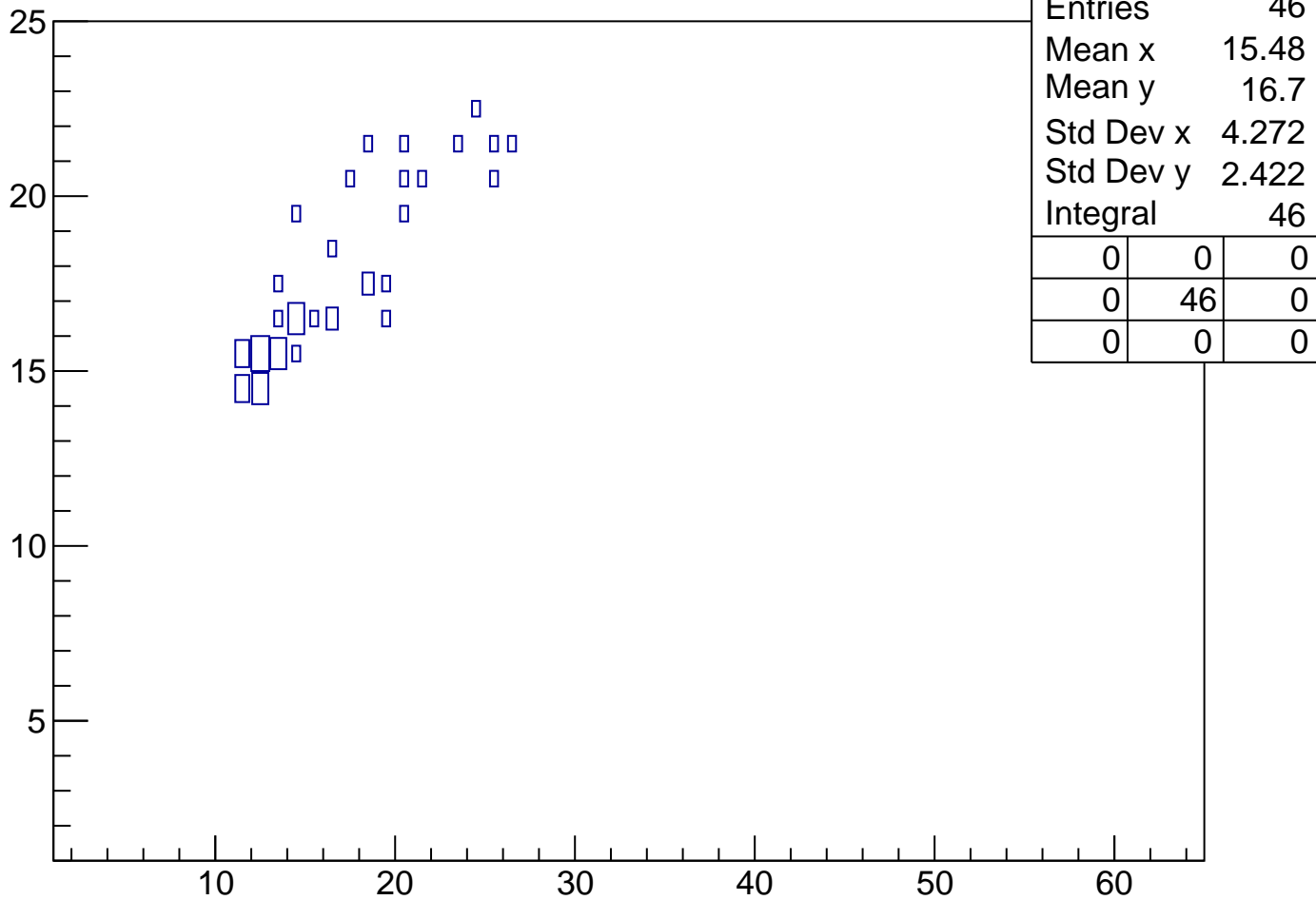




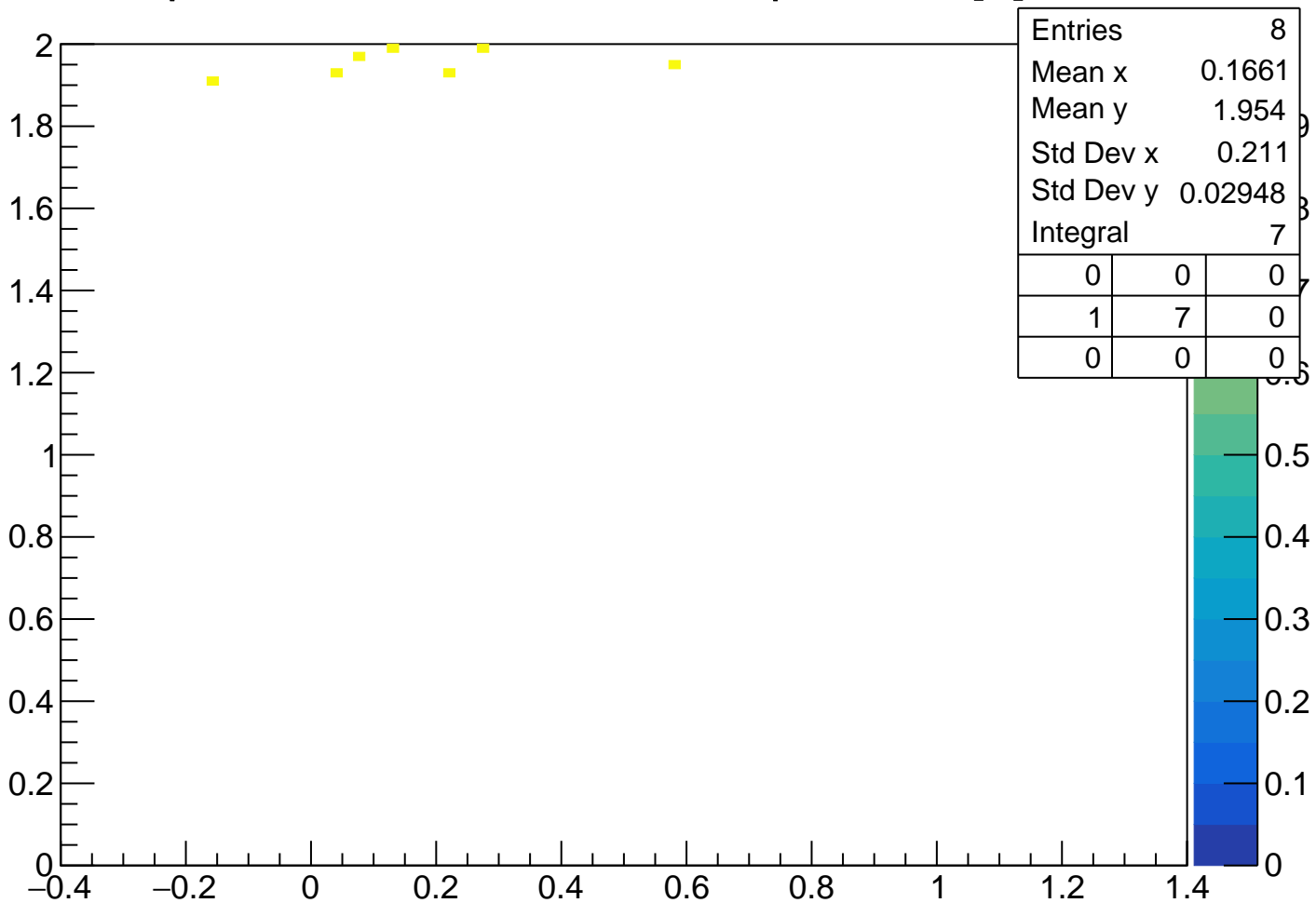
tofsegKurama[0] vs vpseg[1] Cut4 1.6<pKurama[0]<1.8



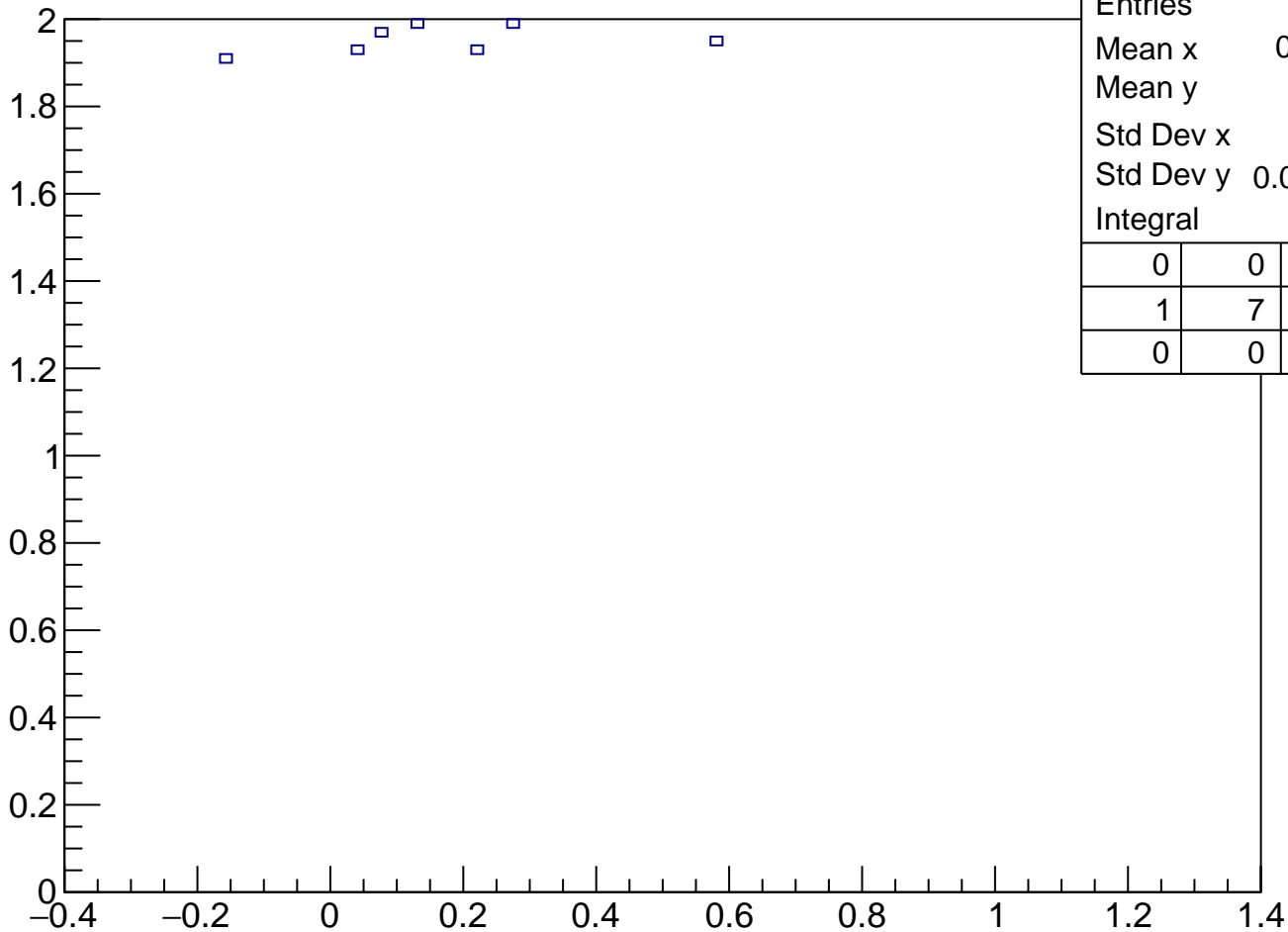
tofsegKurama[0] vs vpseg[1] Cut4 1.6<pKurama[0]<1.8



# pKurama vs m2 Cut4 1.8<pKurama[0]<2

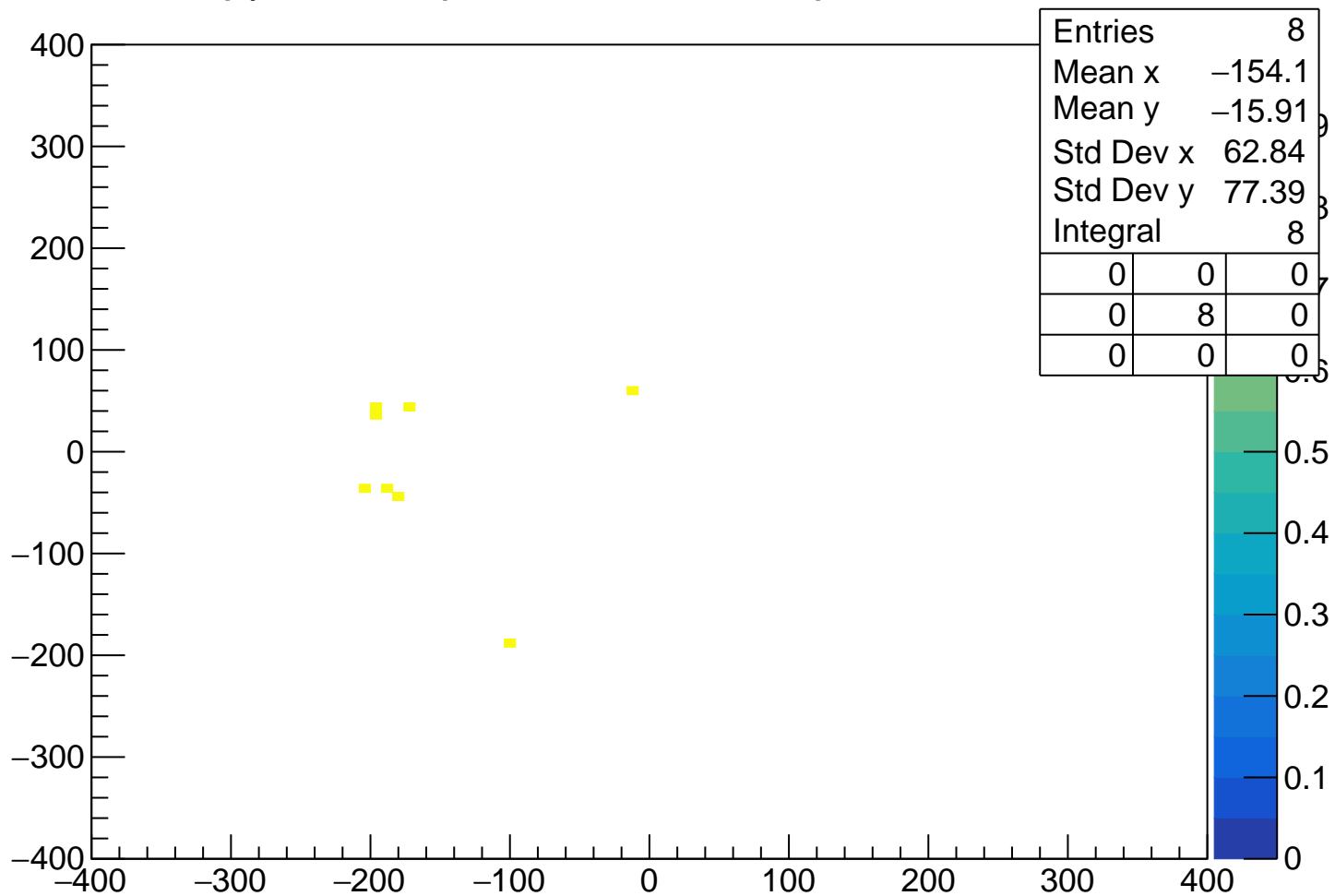


# pKurama vs m2 Cut4 $1.8 < \text{pKurama}[0] < 2$



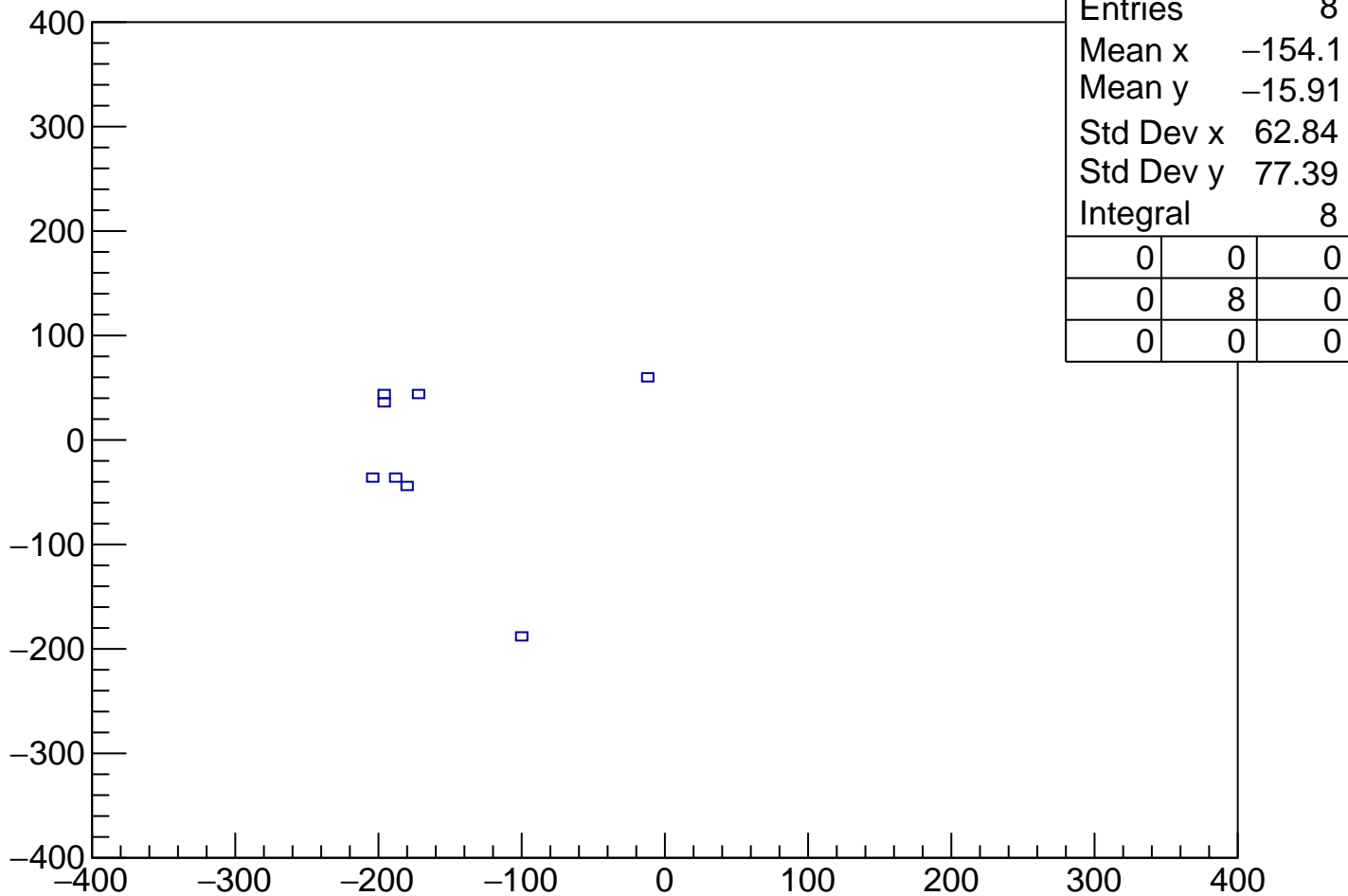
Entries	8		
Mean x	0.1661		
Mean y	1.954		
Std Dev x	0.211		
Std Dev y	0.02948		
Integral	7		
0	0	0	
1	7	0	
0	0	0	

vpy[1] vs vpx[1]      Cut4 1.8<pKurama[0]<2

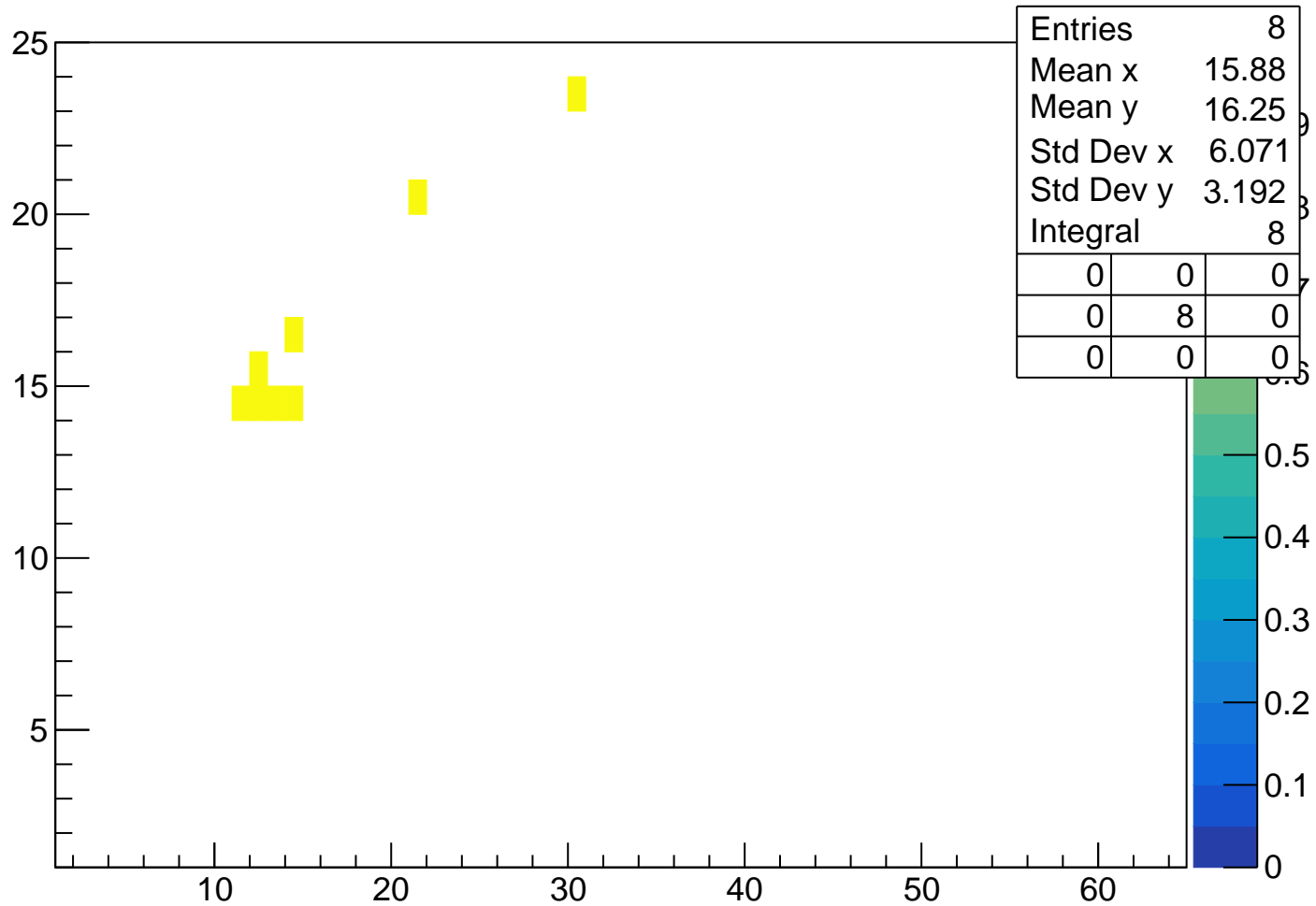


vpy[1] vs vpx[1]

Cut4 1.8&lt;pKurama[0]&lt;2



TofSeg[0] vs vpseg[1] Cut4 1.8<pKurama[0]<2



TofSeg[0] vs vpseg[1] Cut4 1.8<pKurama[0]<2

