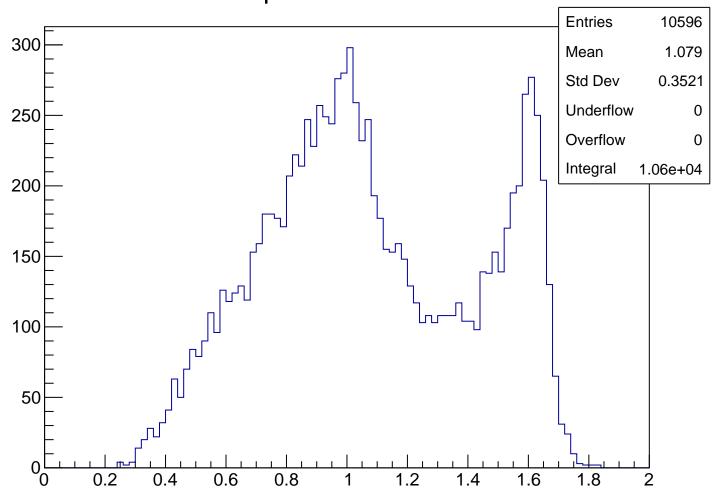
ThetaKurama



pKurama



pKurama Cut1







m2 Cut1 **Entries** 10596 0.5625 800 Mean Std Dev 0.4084 700 Underflow 462 Overflow 220 600 Integral 9914 500 400 300 200 100 0 -0.4 0.2 0.4 0.6 8.0 0

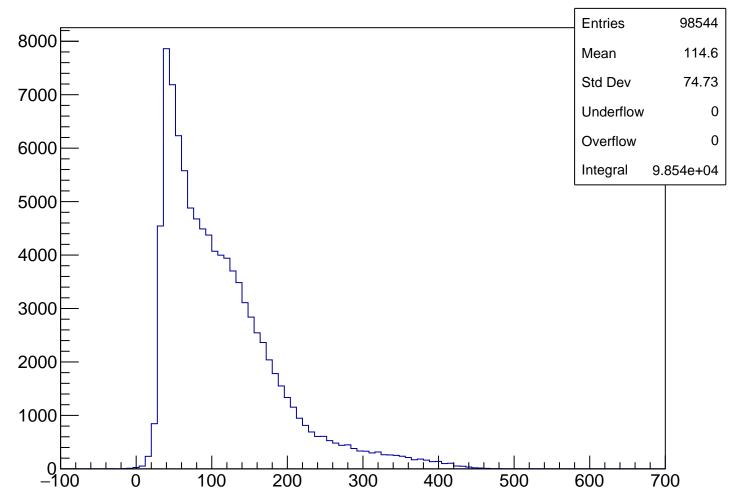
chisqrKurama



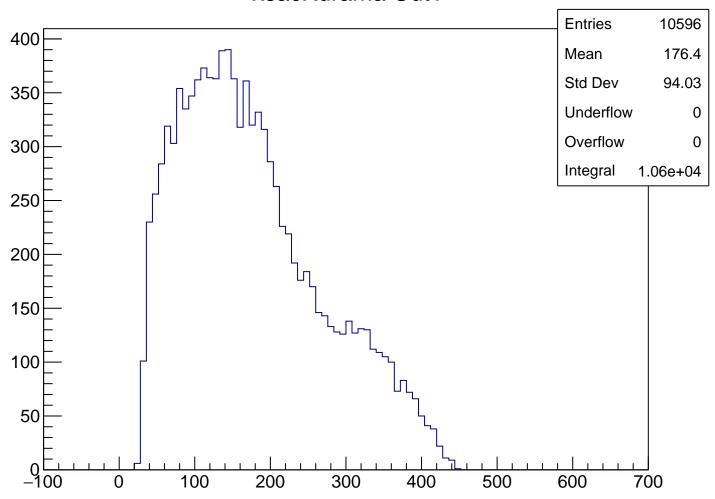
qKurama



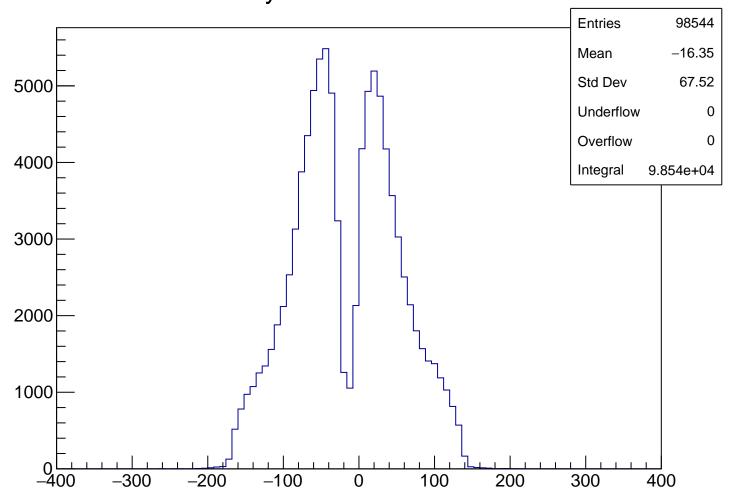
xsacKurama



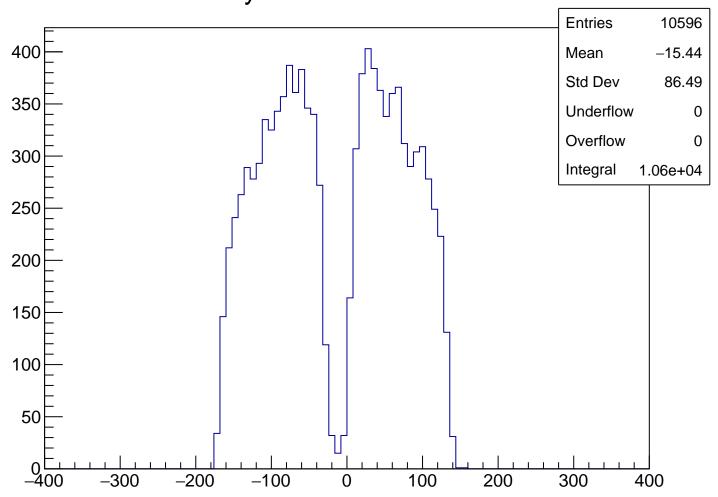
xsacKurama Cut1



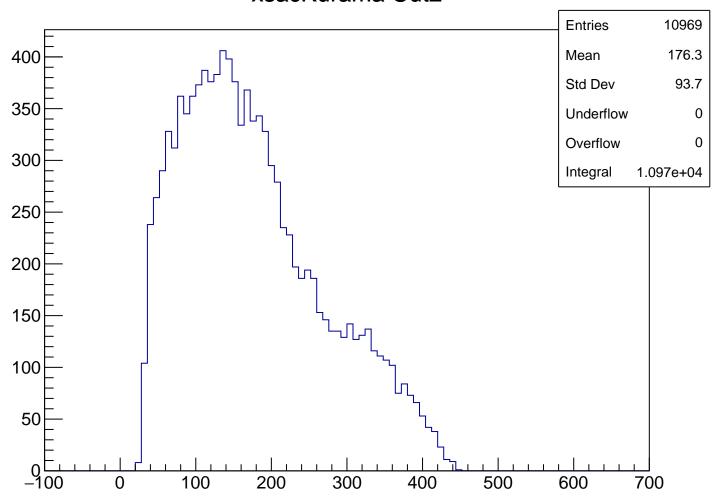
ysacKurama



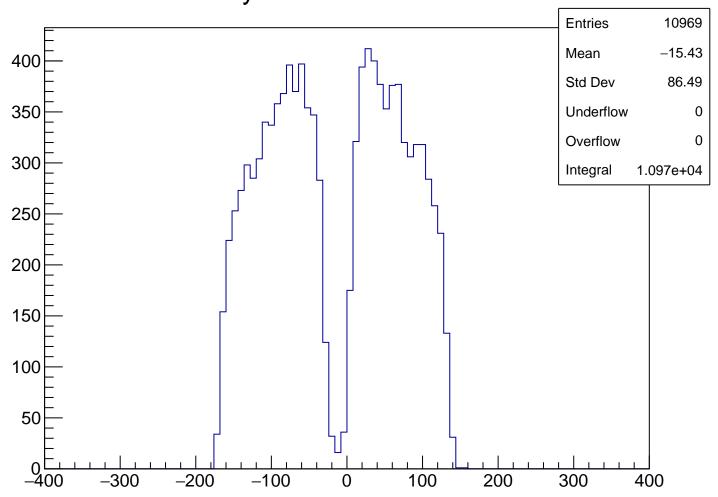
ysacKurama Cut1



xsacKurama Cut2



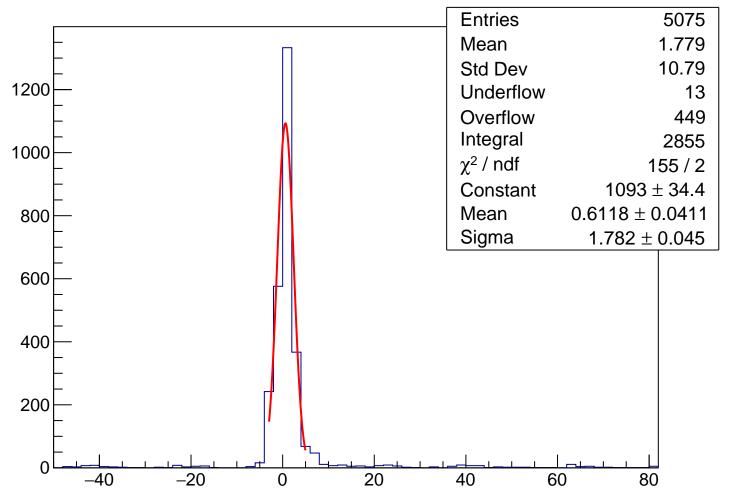
ysacKurama Cut2



tSac Or



tSac Or Cut2



Trigger Flag BeamTofPs



Trigger Flag BeamTofPs Cut2 **Entries** 10596 Mean 957.3 Std Dev 1.274 Underflow Overflow Integral 1.06e+04 χ^2 / ndf 483.4 / 6 3481 ± 38.6 Constant Mean 957.4 ± 0.0 Sigma 1.159 ± 0.006

980

1000

1020

10³

 10^{2}

10

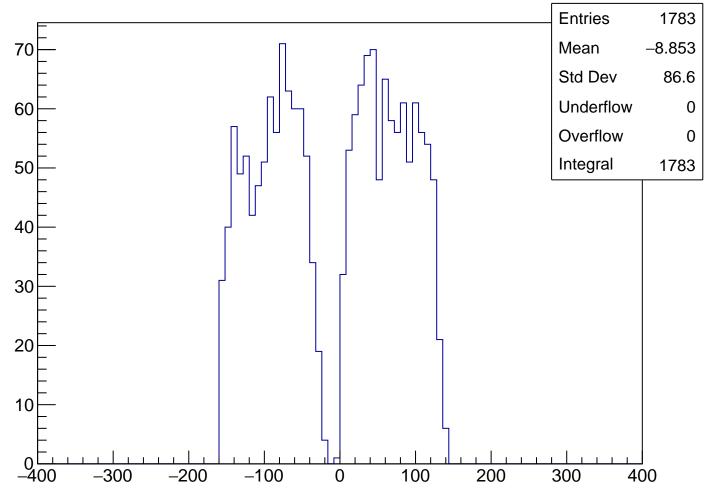
920

940

960

xsacKurama Cut3 **Entries** 185.6 Mean Std Dev 91.57 Underflow Overflow Integral -100

ysacKurama Cut3



pKurama Cut3 **Entries** 1783 0.8283 Mean 120 Std Dev 0.1122 Underflow 0 100 Overflow 0 Integral 1783 80 60 40 20

1.2

1.4

1.6

1.8

0,

0.2

0.4

0.6

8.0

m2 Cut3 **Entries** 1783 0.02133 Mean 350 0.03654 Std Dev Underflow 0 300 Overflow 0 Integral 1783 250 200 150 100 50

0.2

0.4

0.6

8.0

1.2

1.4

-0.2

0

tSac Or Cut4 **Entries** 1674 Mean 0.7993 700 2.094 Std Dev Underflow 0 600 Overflow Integral 1674 χ^2 / ndf 3.671 / 2 500 727.9 ± 22.3 Constant Mean 0.6669 ± 0.0457 400 Sigma 1.814 ± 0.035 300 200 100 0

20

40

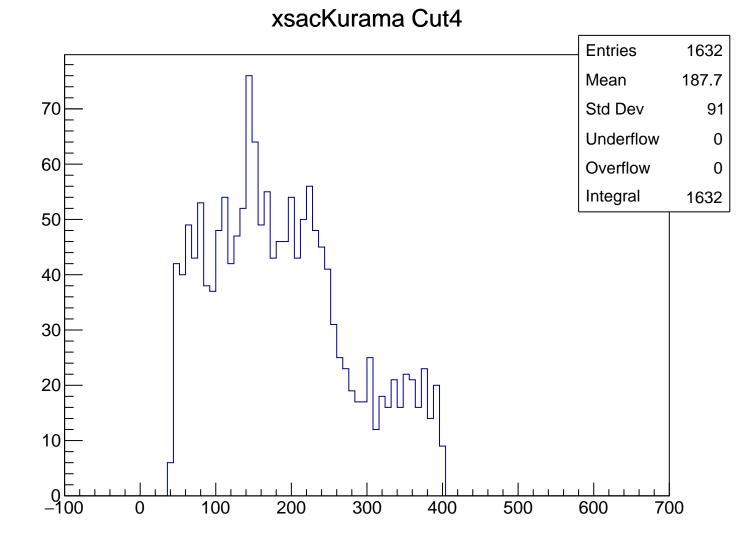
60

80

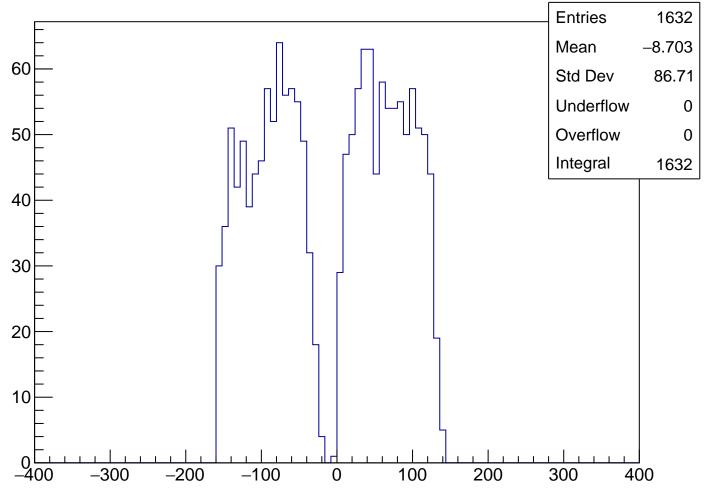
-40

-20

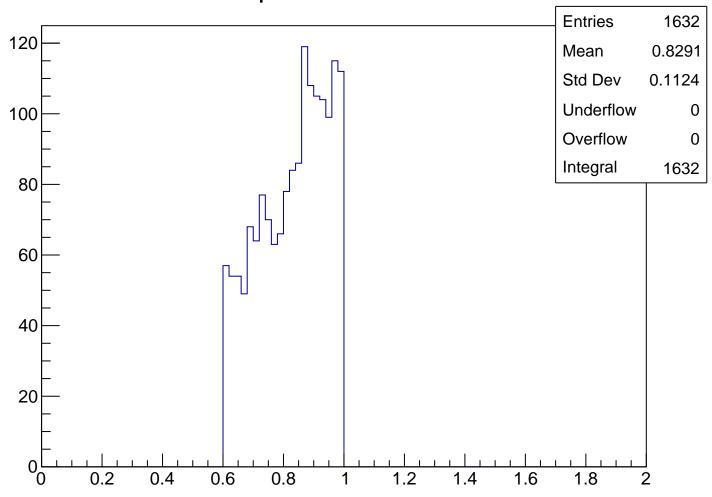
0



ysacKurama Cut4



pKurama Cut4



m2 Cut4 **Entries** 1632 350 0.0213 Mean Std Dev 0.03641 300 Underflow 0 Overflow 0 250 Integral 1632 200 150 100 50

0.2

0.4

0.6

8.0

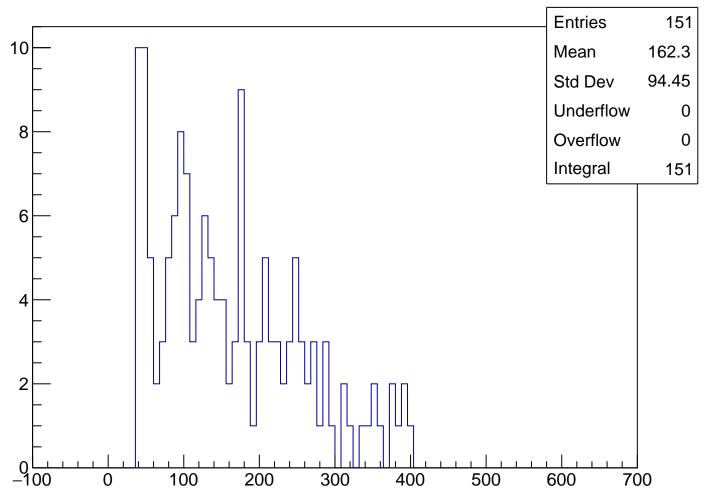
1.2

1.4

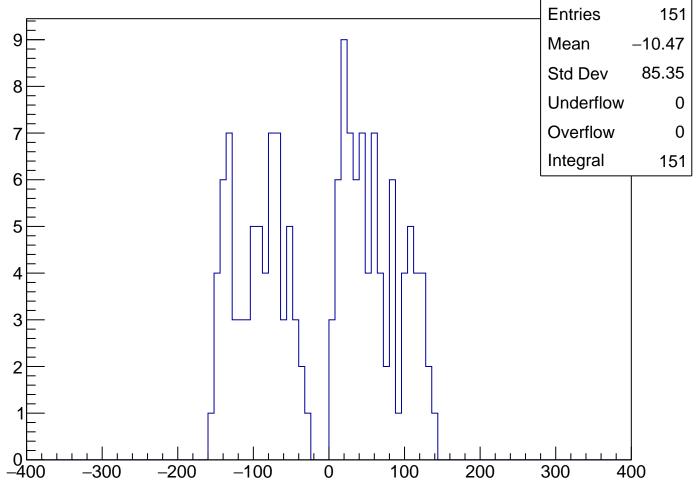
-0.2

0

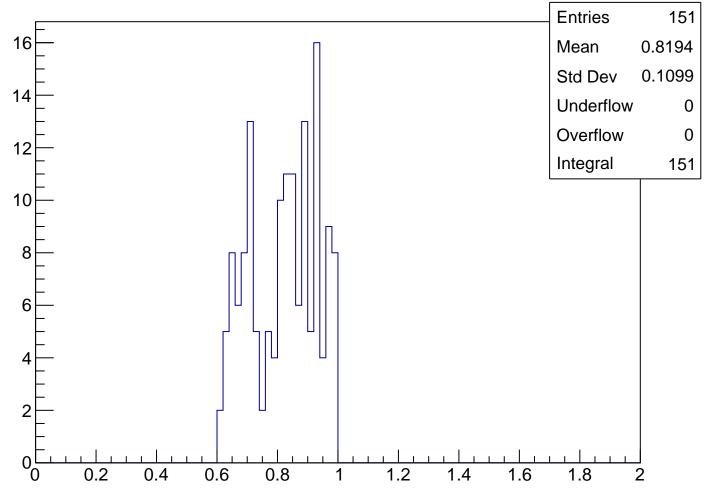
xsacKurama Cut Ver 4



ysacKurama Cut Ver 4



pKurama Cut Ver 4



m2 Cut Ver 4 151 **Entries** 0.02172 Mean Std Dev 0.03784 25 Underflow 0 Overflow 0 20 Integral 151 15 10 5

0 -0.4

-0.2

0

0.2

0.4

0.6

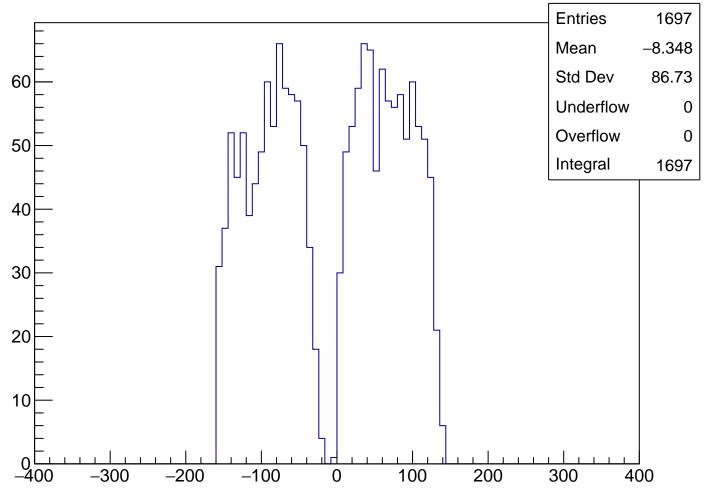
8.0

1.2

1.4

xsacKurama Cut5 **Entries** 80 F 187.5 Mean Std Dev 91.54 Underflow Overflow Integral -100

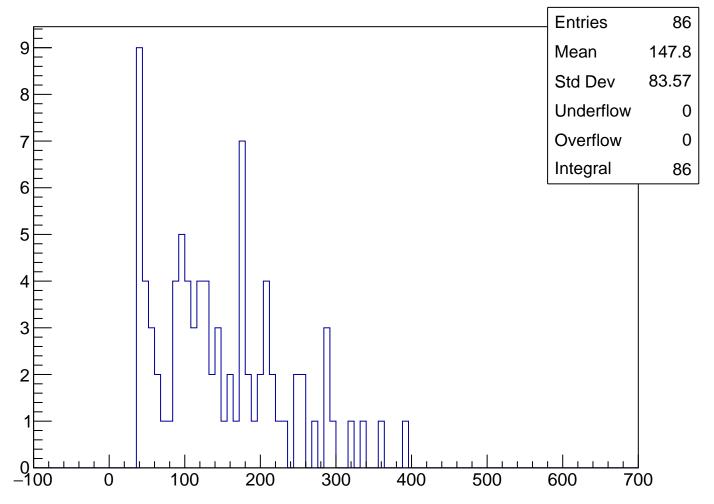
ysacKurama Cut5



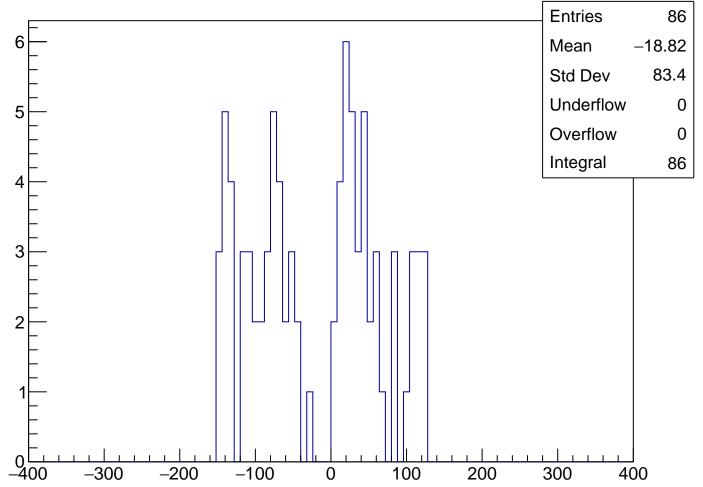
pKurama Cut5 **Entries** 1697 0.829 Mean 120 Std Dev 0.1124 Underflow 0 100 Overflow 0 Integral 1697 80 60 40 20 0, 0.2 0.4 0.6 8.0 1.2 1.4 1.6 1.8

m2 Cut5 **Entries** 1697 350 0.0213 Mean 0.03652 Std Dev Underflow 300 0 Overflow 0 250 Integral 1697 200 150 100 50 0 -0.4 -0.2 0.2 0 0.4 0.6 8.0 1.2 1.4

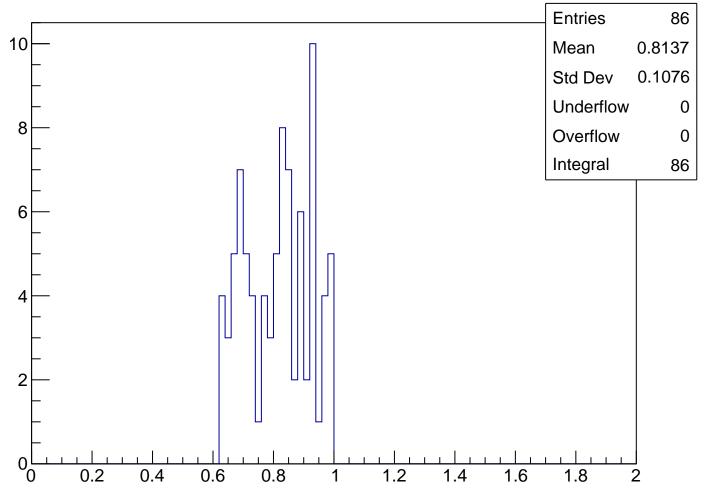
xsacKurama Cut Ver 5



ysacKurama Cut Ver 5



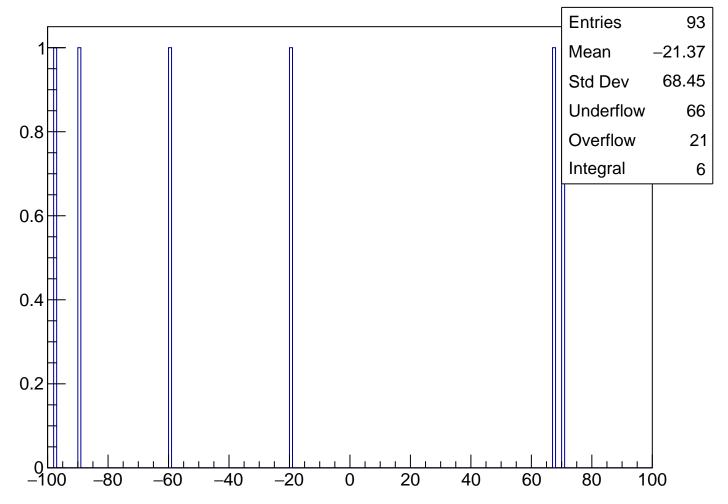
pKurama Cut Ver 5



m2 Cut Ver 5 86 **Entries** 18 0.02199 Mean Std Dev 0.03679 16 Underflow 0 Overflow 14 0 Integral 86 12 10 8 6 4 2 0 -0.4 -0.2 0.2 0 0.4 0.6 8.0 1.2 1.4

tSac Or Cut5 **Entries** 1860 Mean 0.7468 1.952 Std Dev Underflow 0 Overflow Integral 1860 10^{2} χ^2 / ndf 81.96 / 6 468.2 ± 13.6 Constant Mean 0.5859 ± 0.0365 Sigma 1.481 ± 0.024 10 -40 -20 20 40 60 80

tSac Or Cut Ver 5

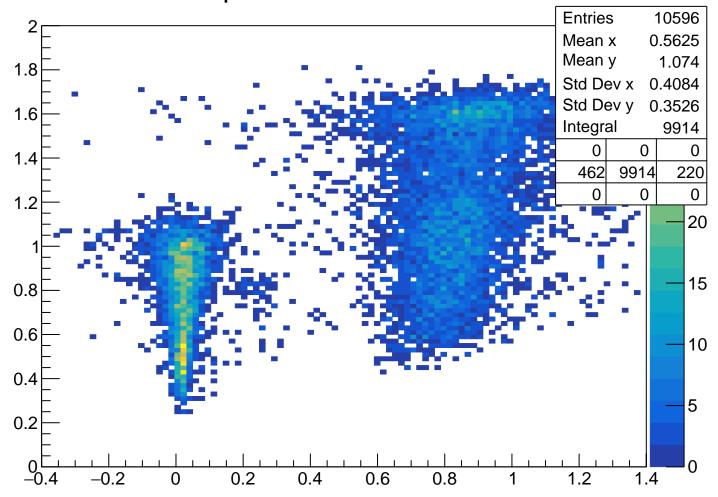


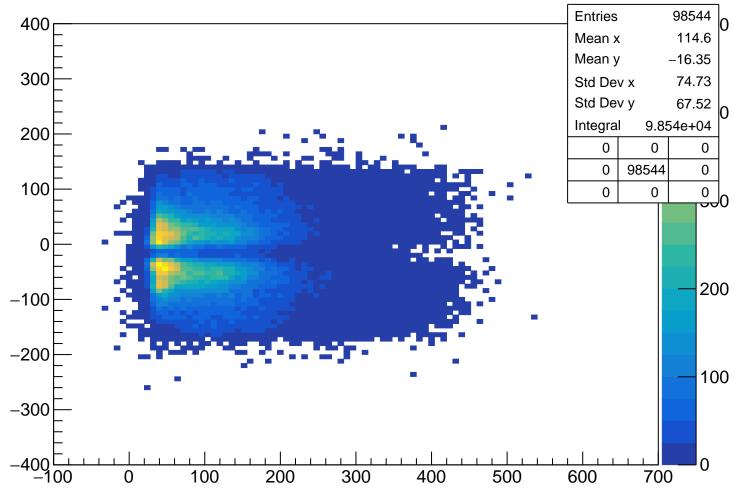
pKurama % ThetaKurama

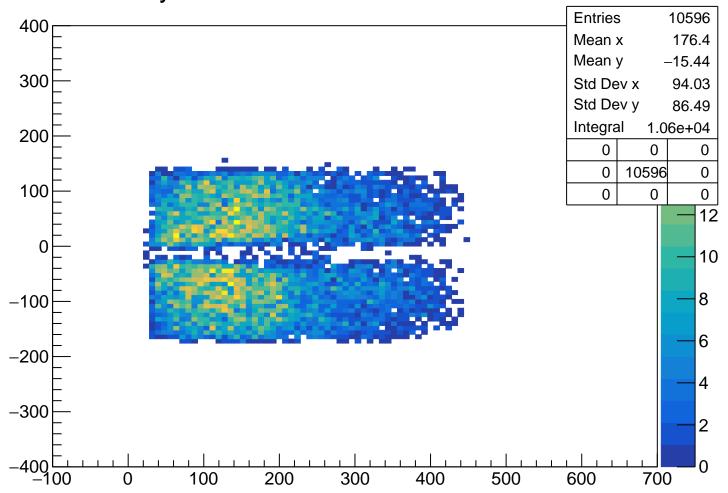


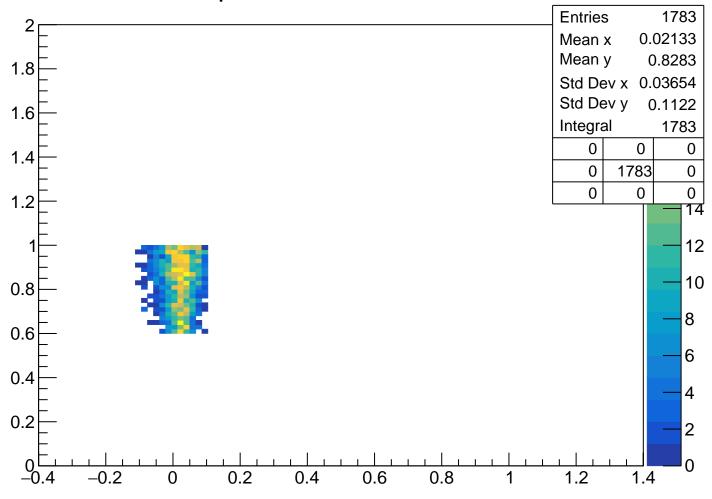
pKurama % m2

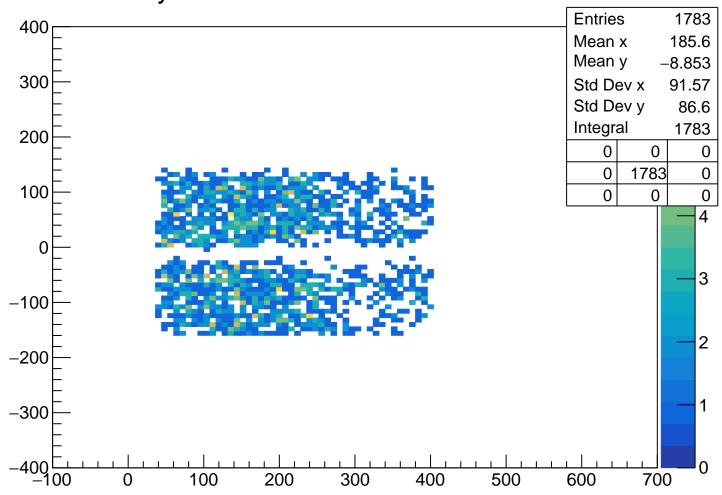


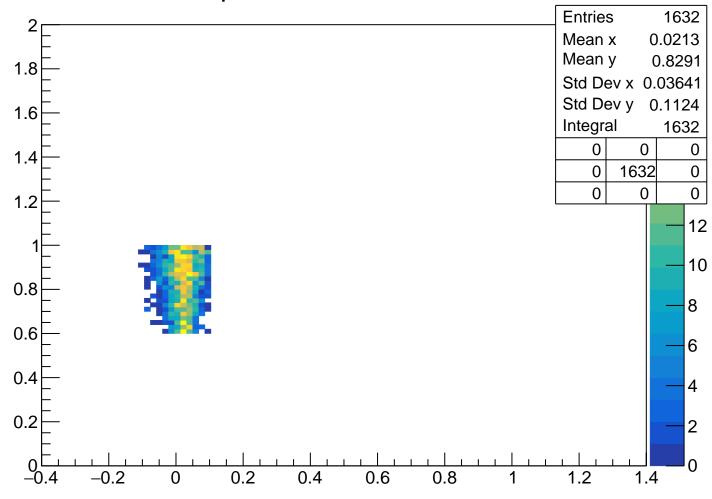


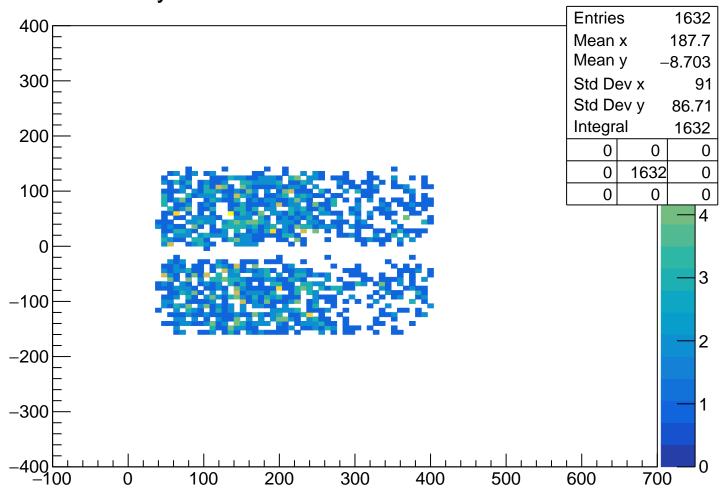




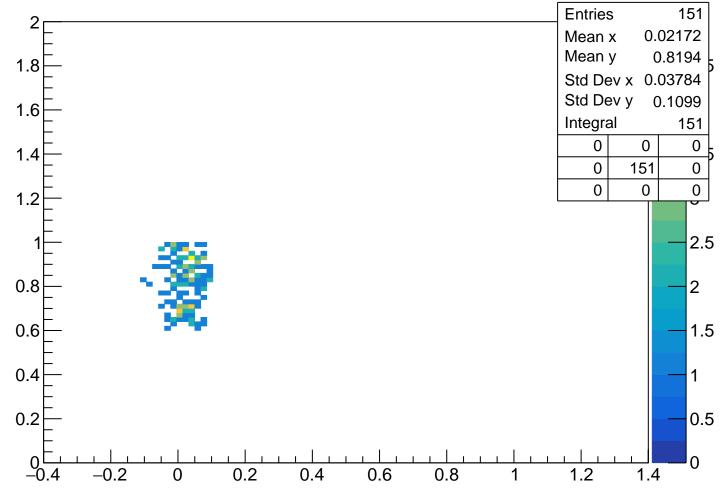


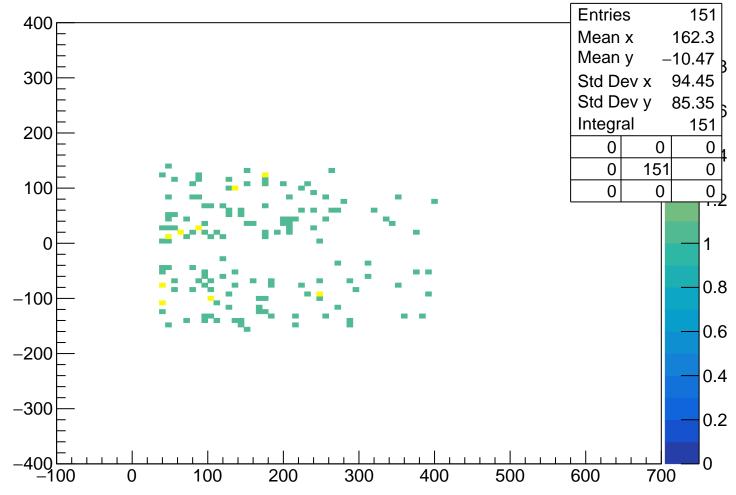


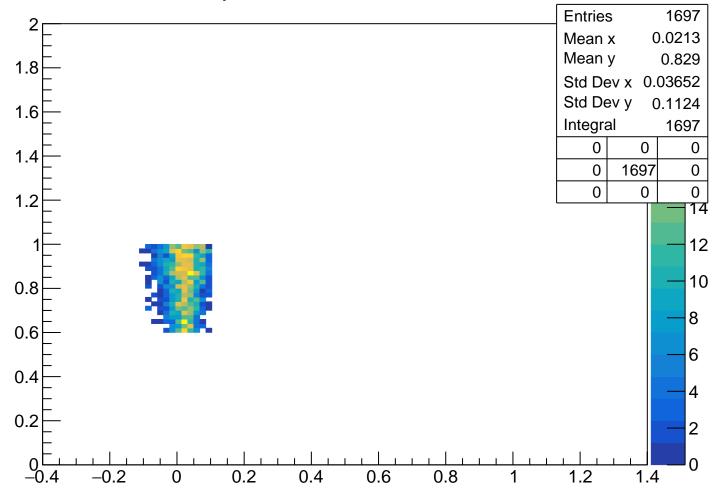


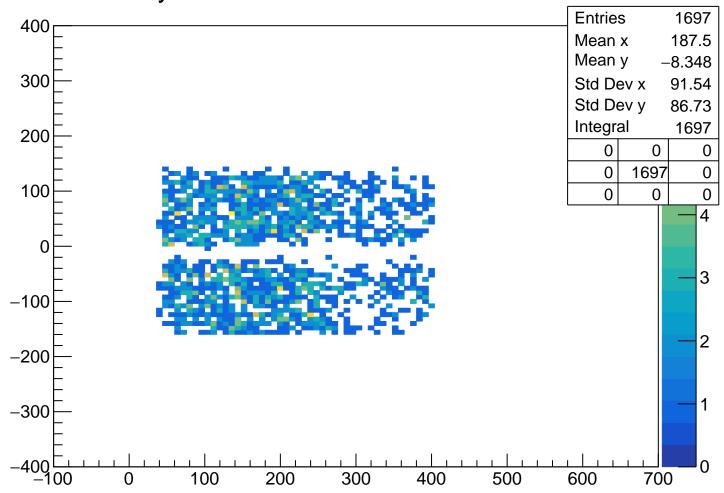


pKurama % m2 Cut Ver 4









pKurama % m2 Cut Ver 5

