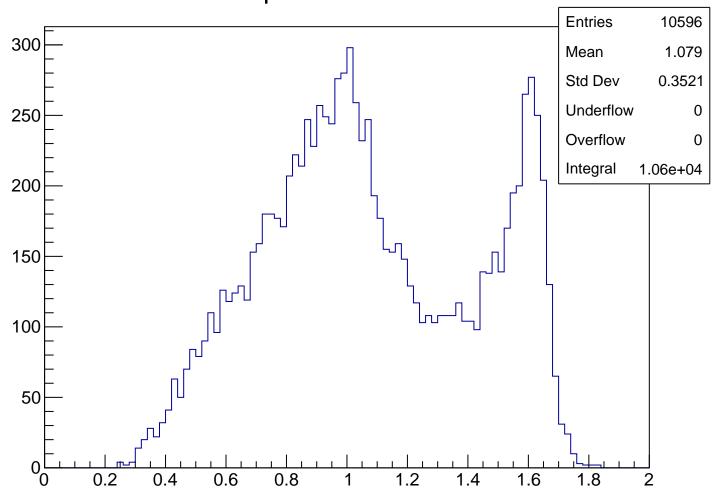
ThetaKurama



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

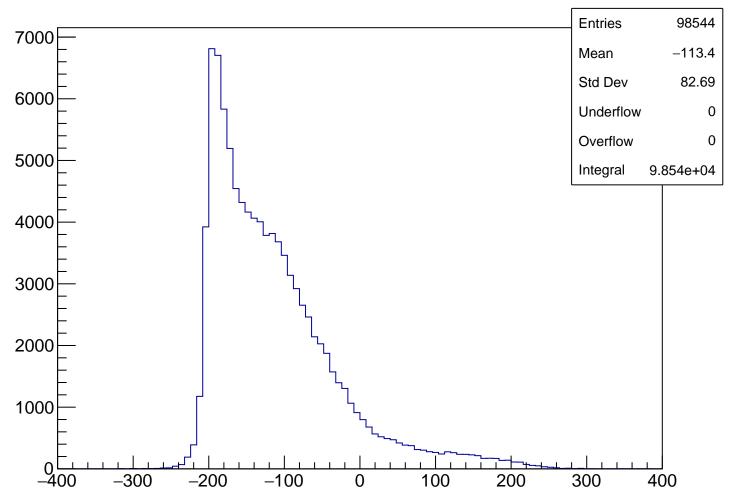
chisqrKurama



qKurama

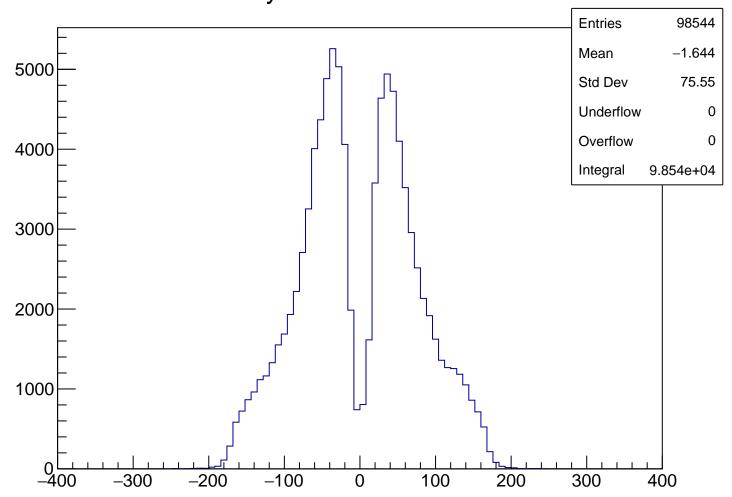


xsacKurama

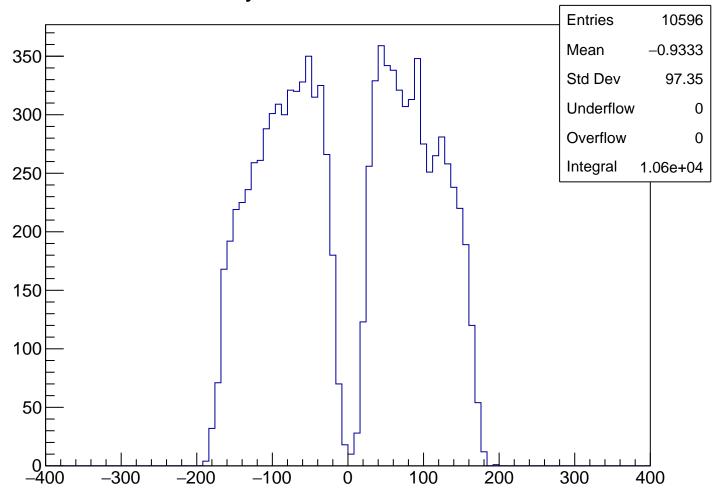


xsacKurama Cut1 **Entries** 10596 350 Mean -44.27Std Dev 104.5 300 Underflow 0 Overflow 0 250 Integral 1.06e+04 200 150 100 50 -300 -200-100100 200 300 400 -400

ysacKurama



ysacKurama Cut1



xsacKurama Cut2 **Entries** 10969 -44.39Mean 350 Std Dev 104.2 Underflow 0 300 Overflow 0 Integral 1.097e+04 250 200 150 100

100

200

300

400

50

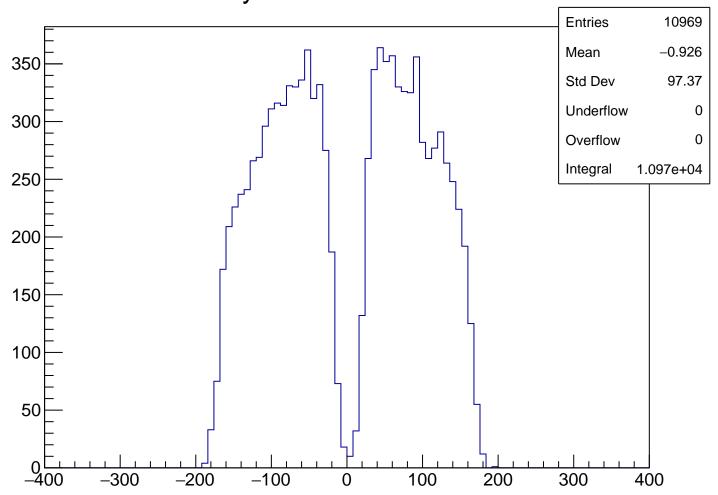
-400

-300

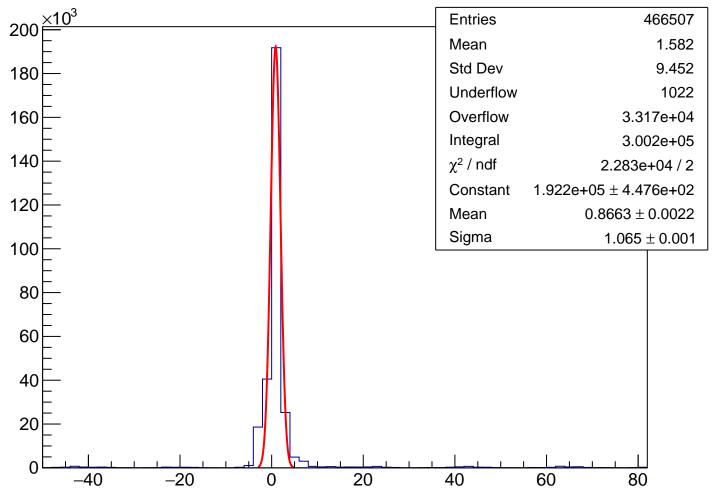
-200

-100

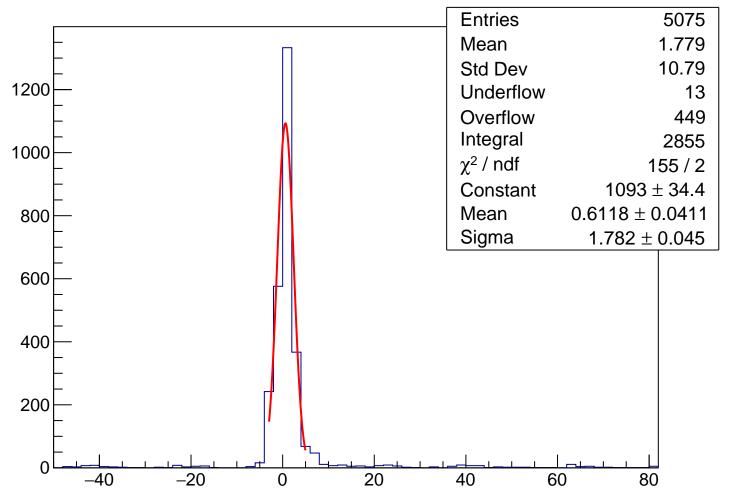
ysacKurama Cut2



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

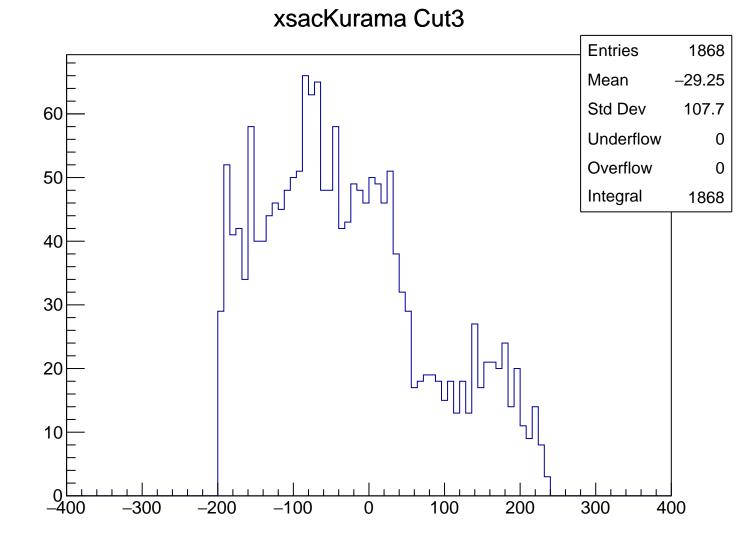
 10^{2}

10

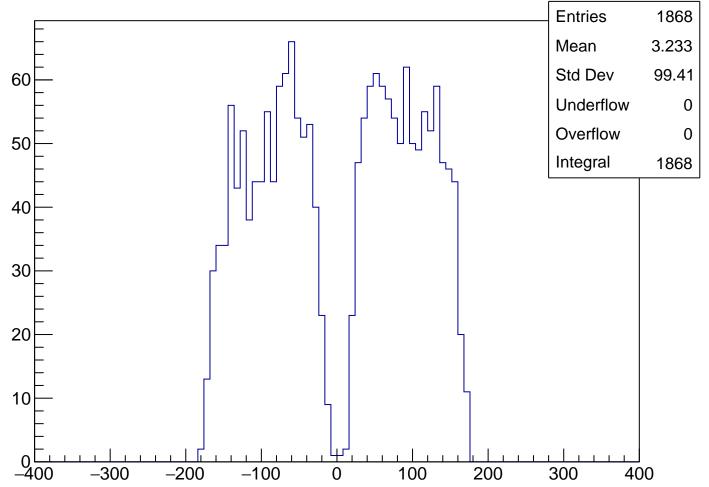
920

940

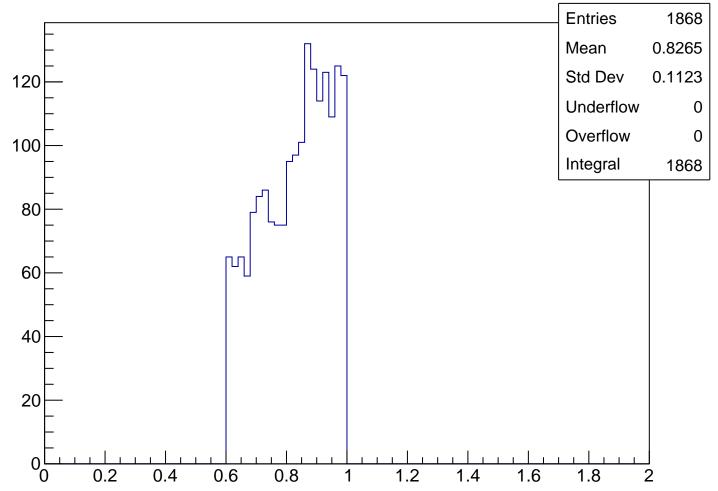
960



ysacKurama Cut3



pKurama Cut3



m2 Cut3 **Entries** 1868 400 0.02108 Mean 0.03632 Std Dev 350 Underflow 0 Overflow 0 300 Integral 1868 250 200 150 100 50

0.2

0.4

0.6

8.0

1.2

1.4

0 -0.4

-0.2

0

tSac Or Cut4 **Entries** 1749 Mean 0.7656 2.099 700 Std Dev Underflow 0 Overflow 600 Integral 1749 χ^2 / ndf 2.369 / 2 500 754 ± 22.7 Constant Mean 0.6303 ± 0.0452 Sigma 1.832 ± 0.035 400 300 200 100 0

20

40

60

80

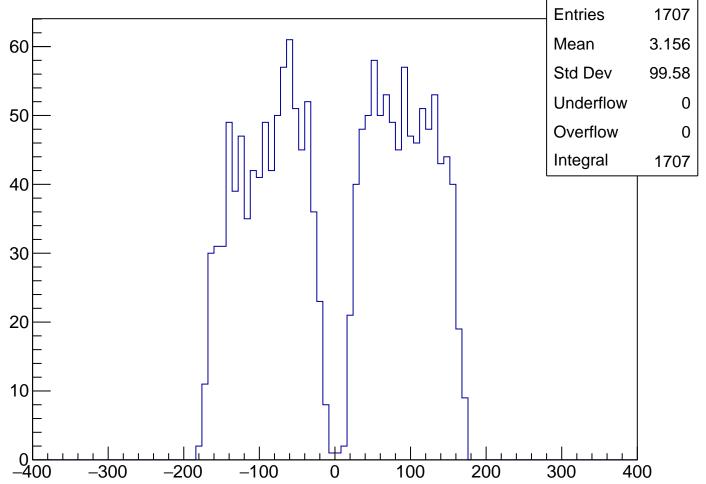
-40

-20

0

xsacKurama Cut4 **Entries** 1707 Mean -25.8960 Std Dev 107.1 Underflow 0 50 Overflow 0 Integral 1707 40 30 20 10 0 -400 -300 -200 -100100 200 300 400

ysacKurama Cut4



pKurama Cut4 **Entries** 1707 Mean 0.8272 120 Std Dev 0.1125 Underflow 0 100 Overflow 0 Integral 1707 80 60 40 20 0,

1.2

1.4

1.6

1.8

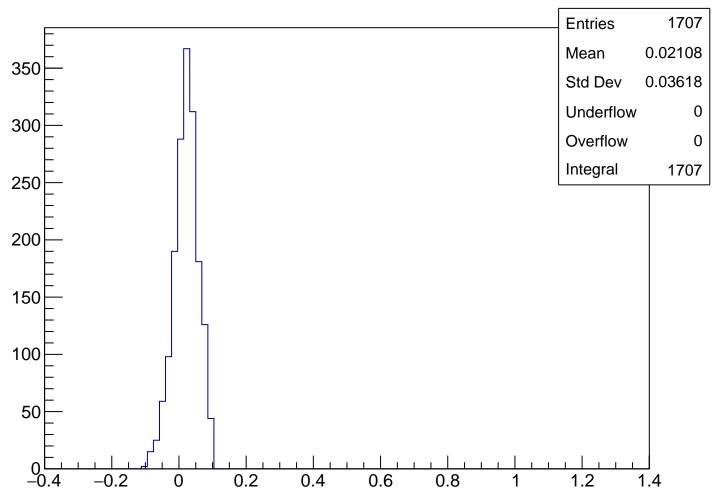
0.2

0.4

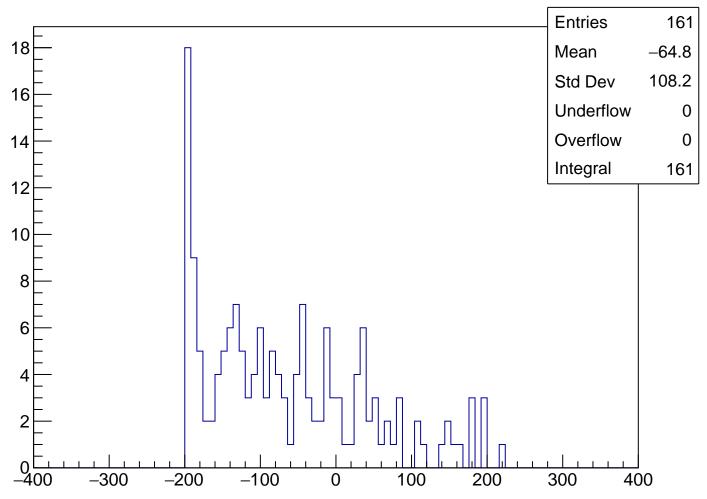
0.6

8.0

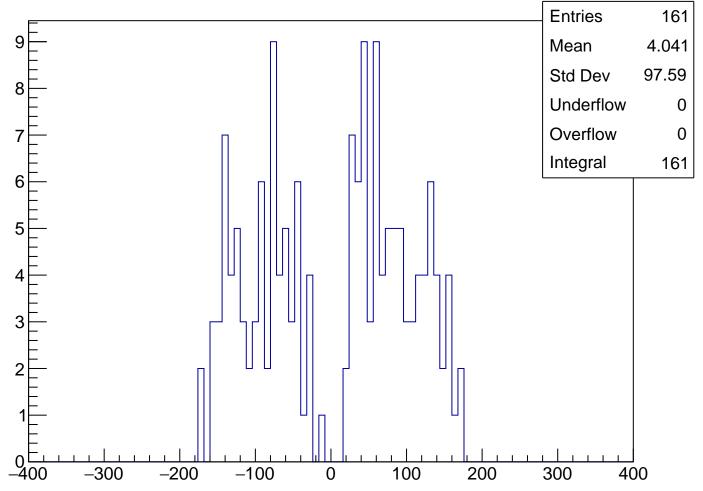
m2 Cut4



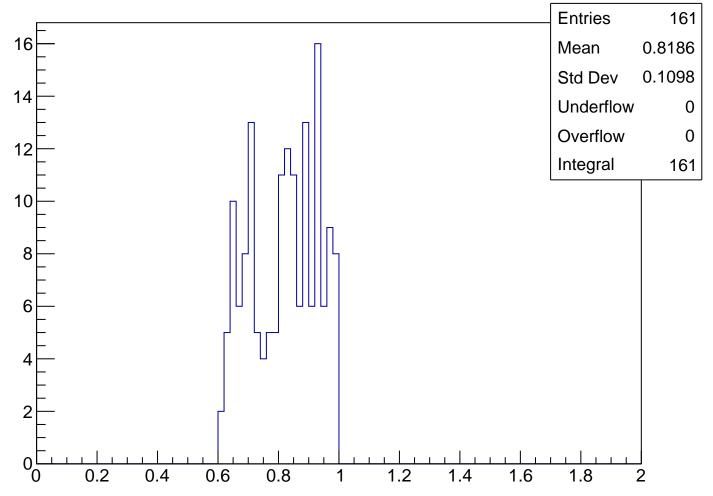
xsacKurama Cut Ver 4



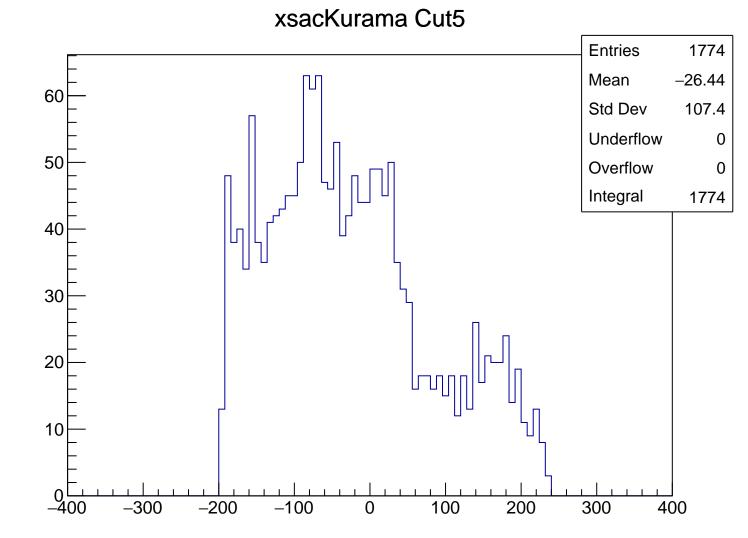
ysacKurama Cut Ver 4



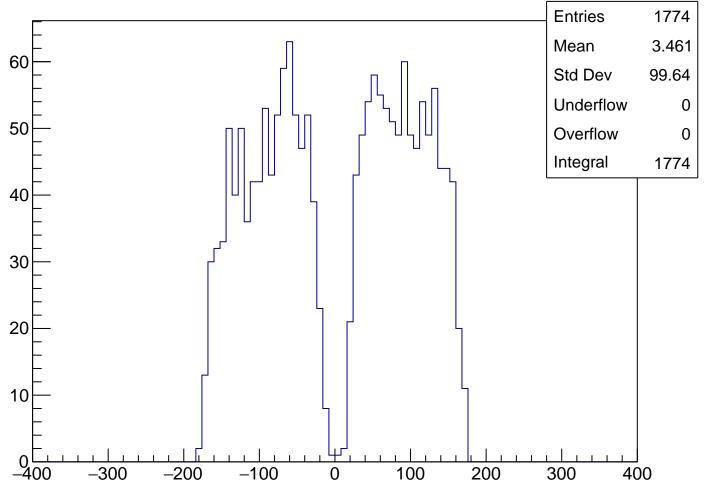
pKurama Cut Ver 4



m2 Cut Ver 4 161 **Entries** 30 0.02103 Mean Std Dev 0.03771 Underflow 0 25 Overflow 0 Integral 161 20 15 10 5 0 -0.4 -0.2 0.2 0 0.4 0.6 8.0 1.2 1.4



ysacKurama Cut5



pKurama Cut5 **Entries** 1774 0.8271 Mean 120 Std Dev 0.1125 Underflow 0 Overflow 0 100 Integral 1774 80 60 40 20 0,

1.2

1.4

1.6

1.8

0.2

0.4

0.6

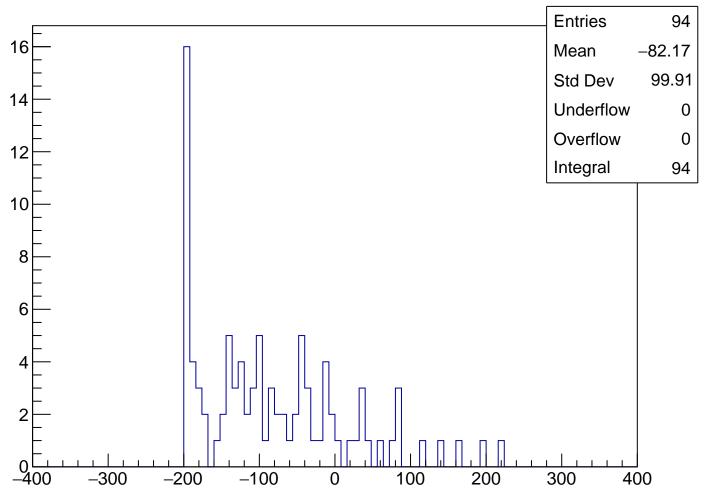
8.0

m2 Cut5 **Entries** 1774 0.02108 Mean 350 0.03629 Std Dev Underflow 0 300 Overflow 0 Integral 1774 250 200 150 100 50 0.2 -0.20.4 0.6 8.0 1.2

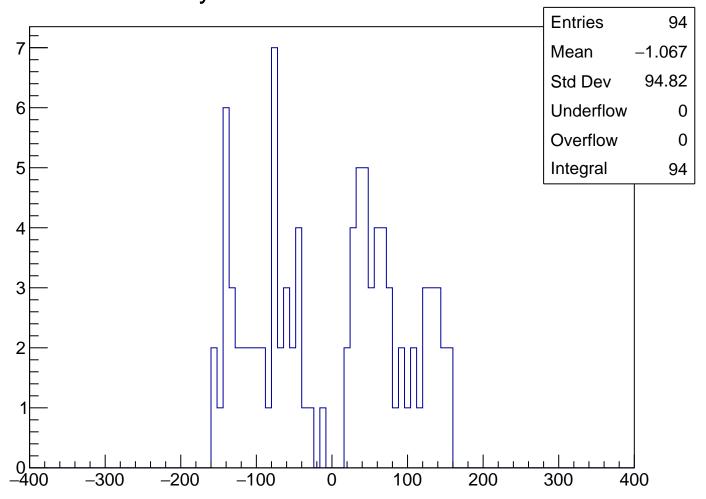
1.4

0

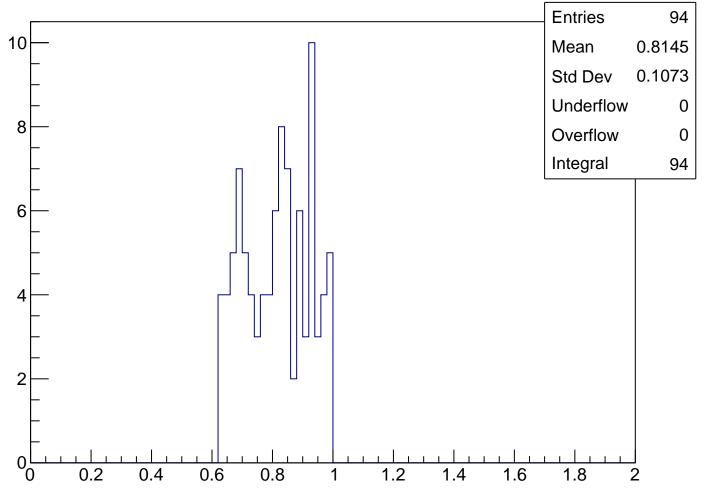
xsacKurama Cut Ver 5



ysacKurama Cut Ver 5



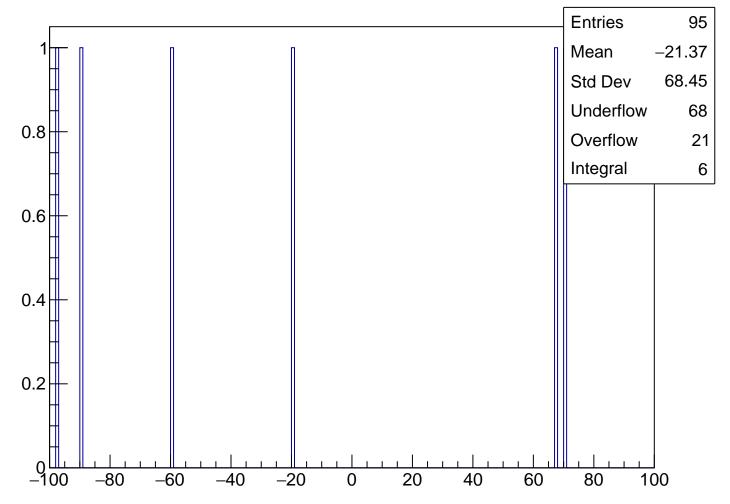
pKurama Cut Ver 5



m2 Cut Ver 5 **Entries** 94 20 Mean 0.021 Std Dev 0.03693 18 Underflow 0 16 Overflow 0 Integral 94 14 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** 1943 10³ Mean 0.7203 1.951 Std Dev Underflow 0 Overflow Integral 1943 10^{2} χ^2 / ndf 90.89 / 6 488.6 ± 13.8 Constant Mean 0.5732 ± 0.0357 Sigma 1.478 ± 0.024 10 -40 -20 20 40 60 80

tSac Or Cut Ver 5

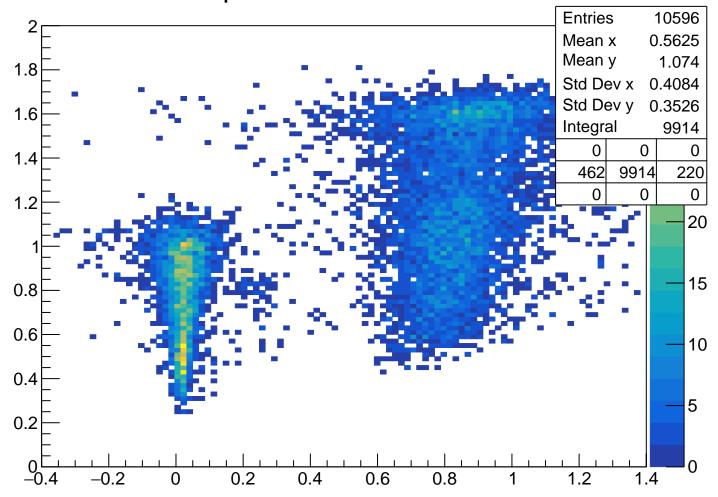


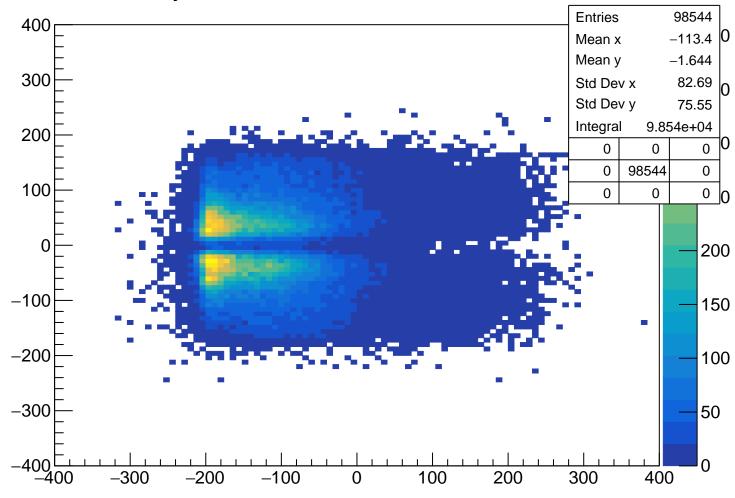
pKurama % ThetaKurama

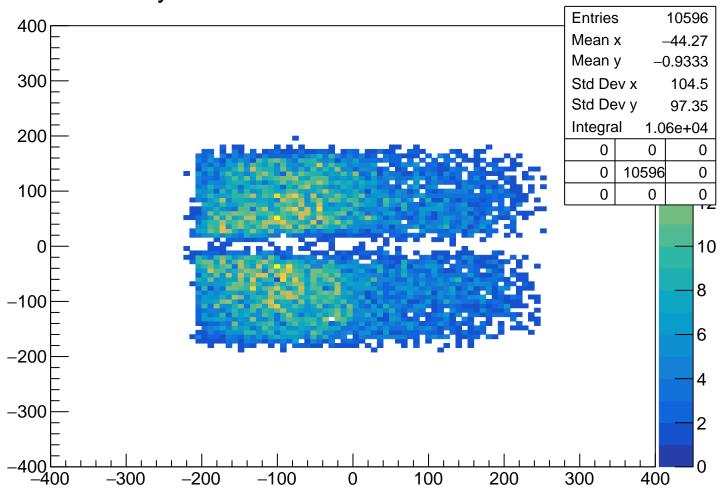


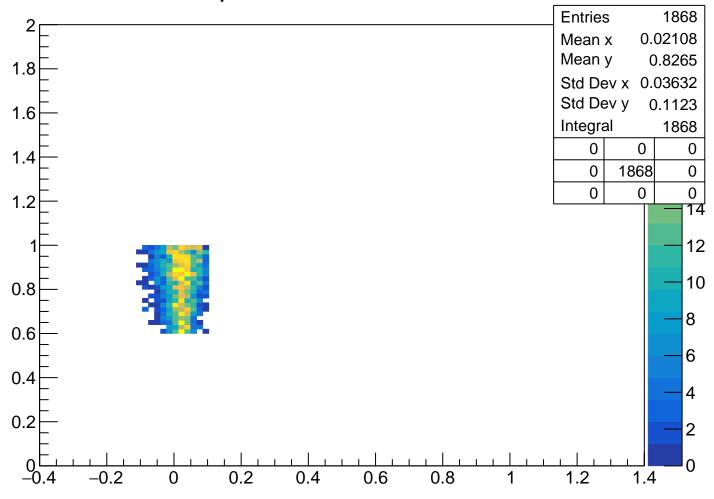
pKurama % m2

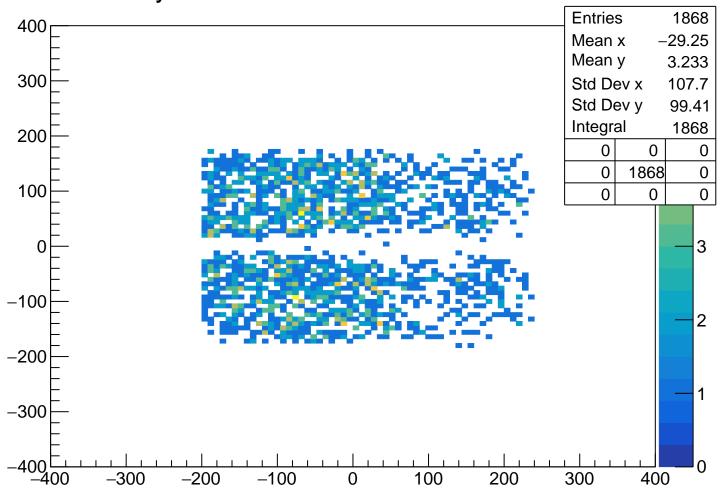


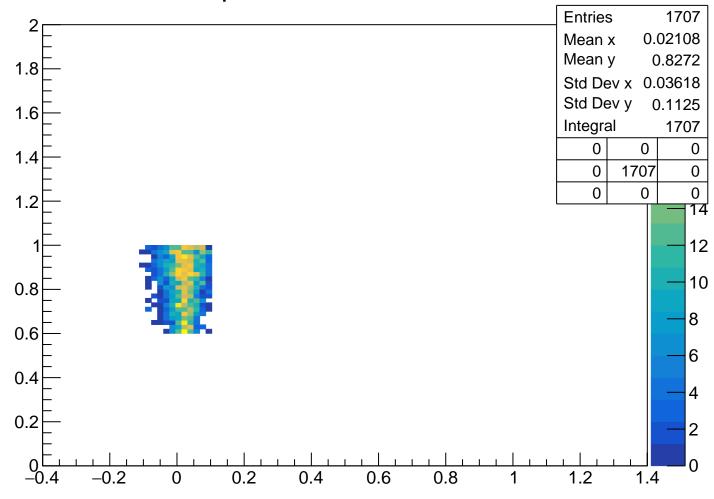


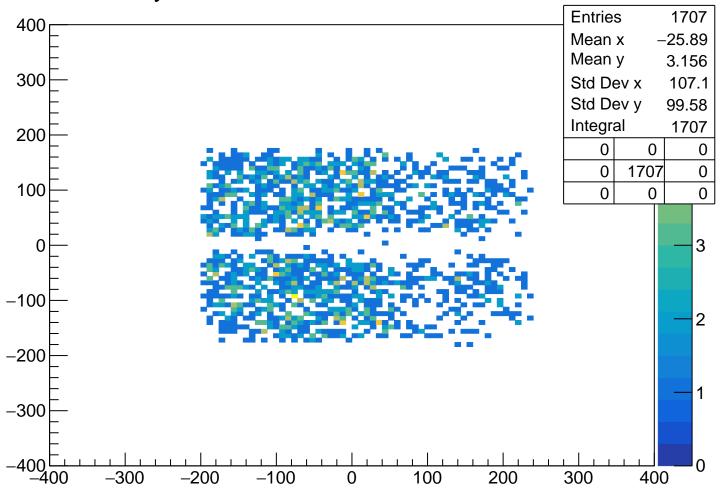




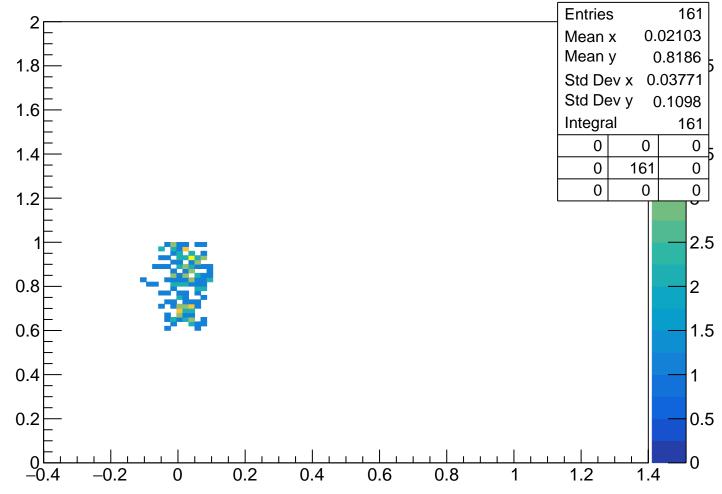


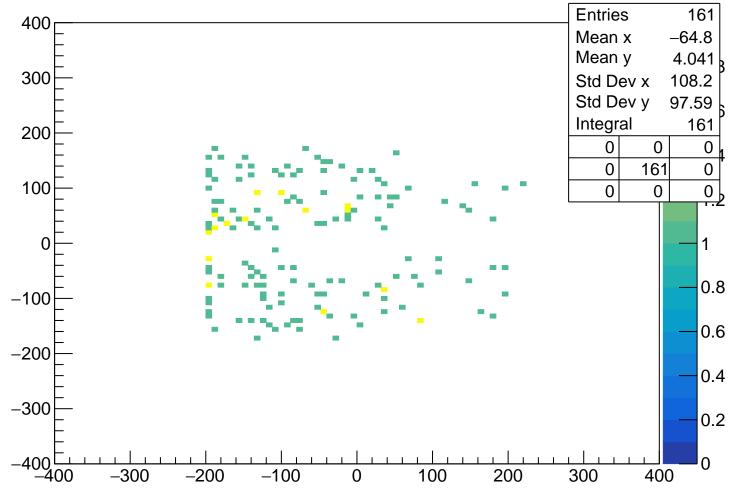


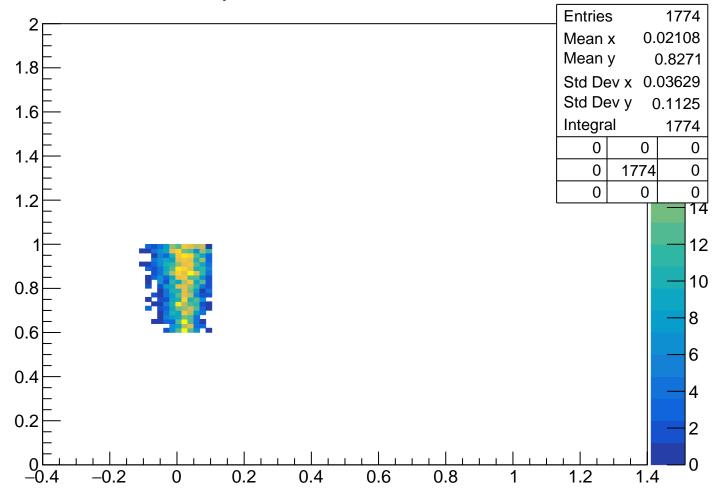


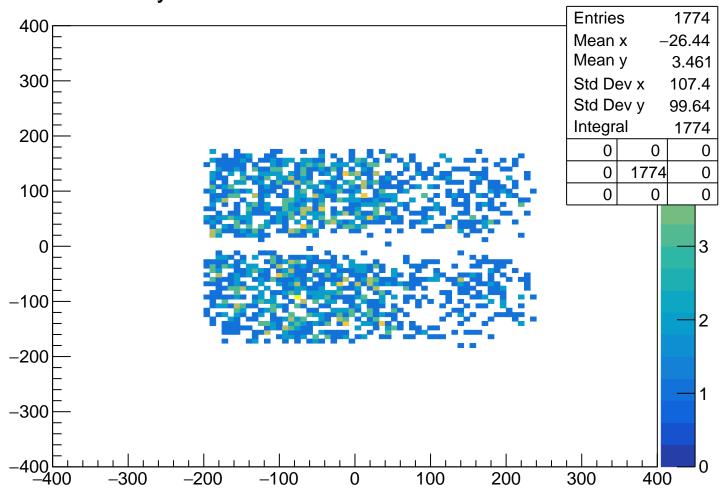


pKurama % m2 Cut Ver 4









pKurama % m2 Cut Ver 5

