ThetaKurama



pKurama



pKurama Cut1 **Entries** 16077 1.033 Mean 400 Std Dev 0.3671 Underflow 0 350 Overflow 35 300 Integral 1.604e+04 250 200 150 100 50 0, 0.2 0.4 0.6 8.0 1.2 1.4 1.6 1.8





m2 Cut1 **Entries** 16077 0.531 Mean 1400 Std Dev 0.4157 Underflow 721 1200 Overflow 392 Integral 1.496e+04 1000 800 600 400 200 0 -0.4 0.6 0.2 0.4 8.0

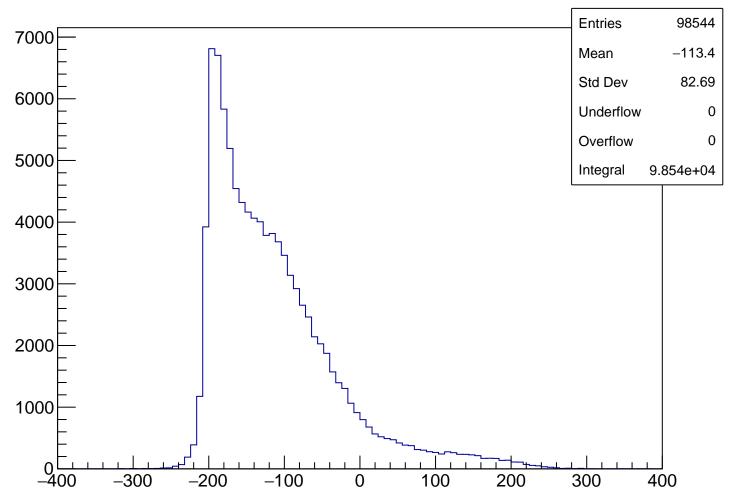
chisqrKurama



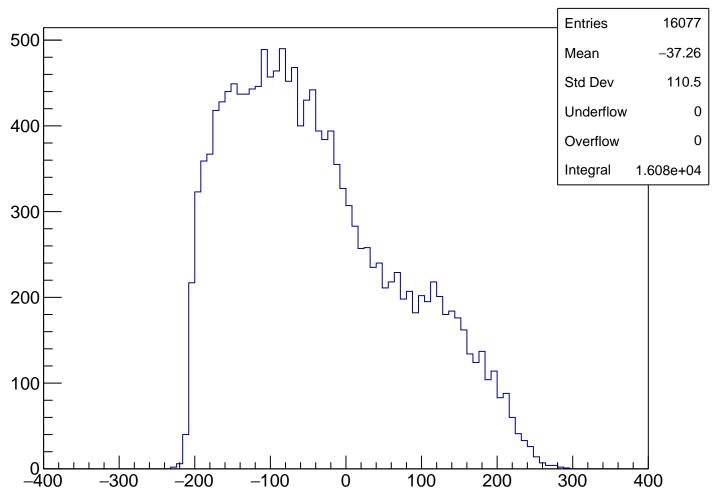
qKurama



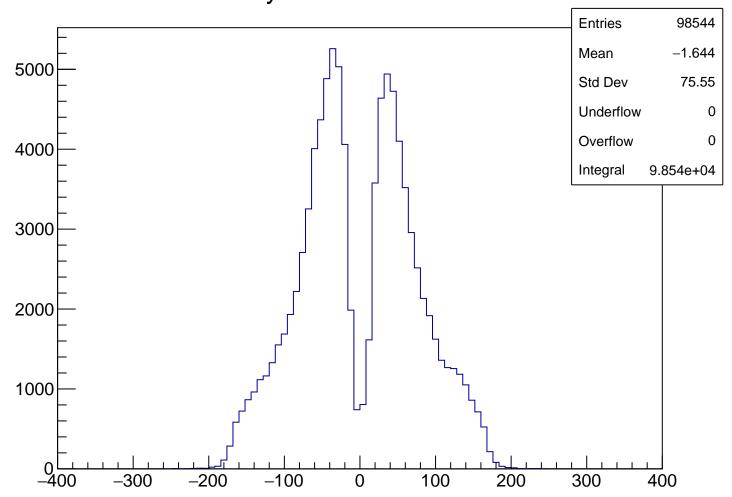
xsacKurama



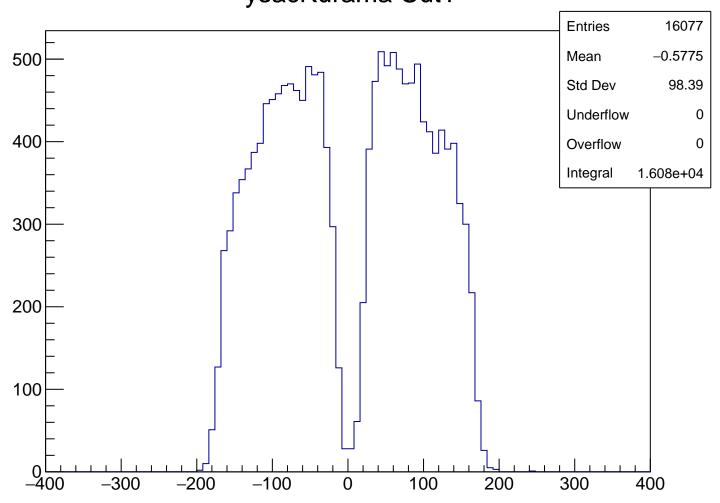
xsacKurama Cut1



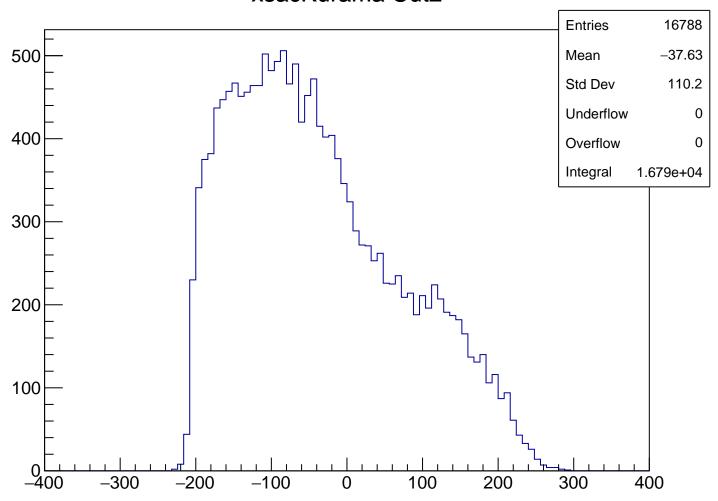
ysacKurama



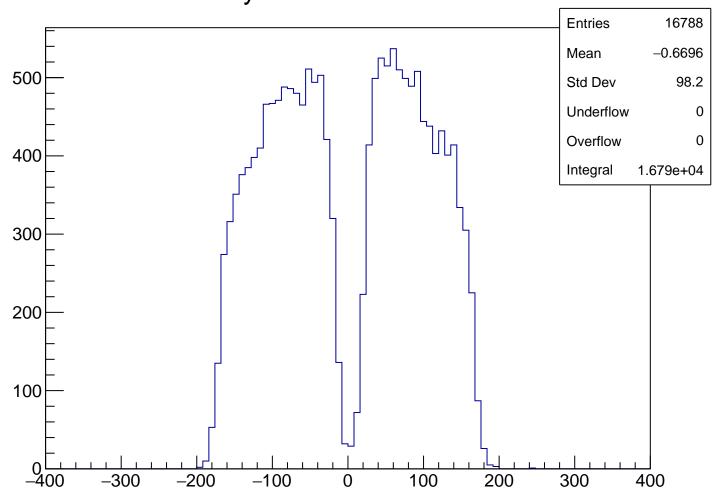
ysacKurama Cut1



xsacKurama Cut2



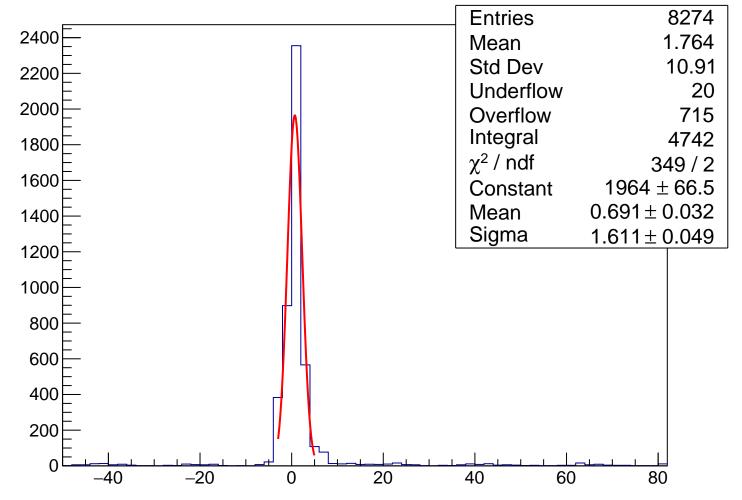
ysacKurama Cut2



tSac Or



tSac Or Cut2



Trigger Flag BeamTofPs

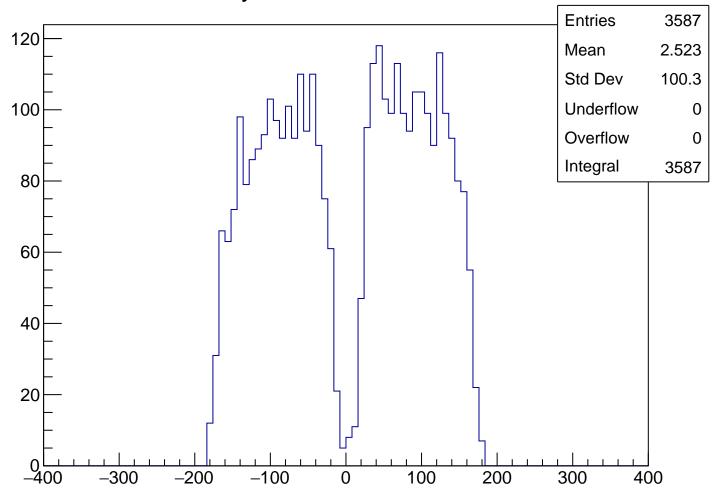


Trigger Flag BeamTofPs Cut2

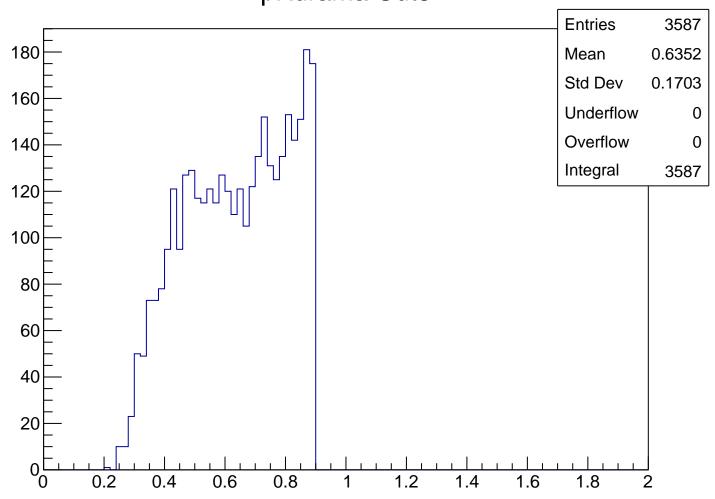


xsacKurama Cut3 **Entries** 3587 Mean -7.237100 Std Dev 113.1 Underflow 0 Overflow 0 80 Integral 3587 60 40 20 -300 <del>-4</del>00 -200 -100100 200 300 400

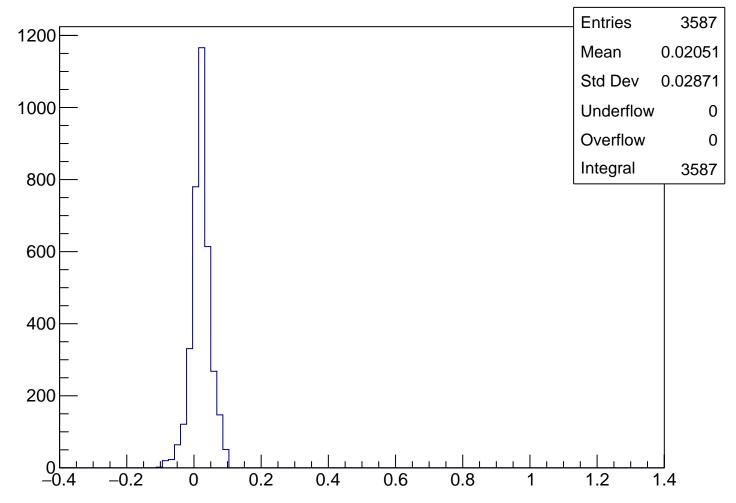
ysacKurama Cut3



pKurama Cut3



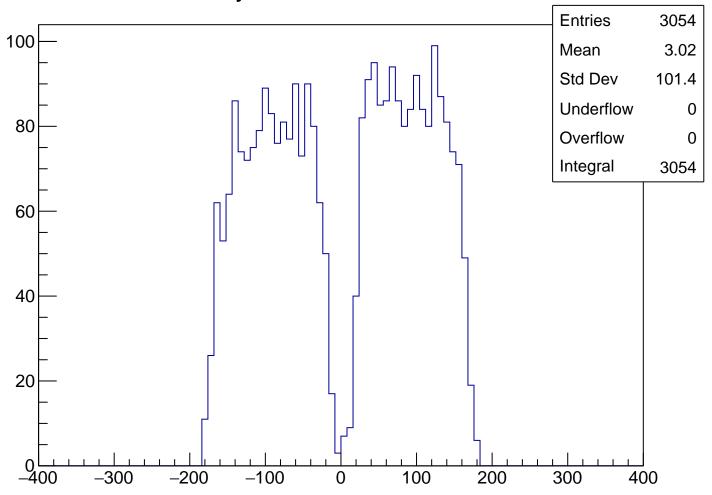
m2 Cut3



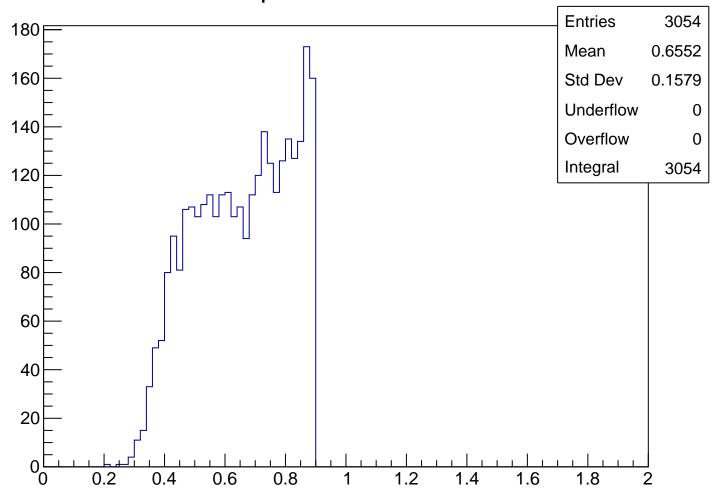
tSac Or Cut4 **Entries** 3128 Mean 1.075 Std Dev 2.323 1200 Underflow Overflow 1000 Integral 3128  $\chi^2$  / ndf 2.21 / 2  $1271 \pm 28.8$ Constant 800 Mean  $0.8878 \pm 0.0360$ Sigma  $1.926 \pm 0.028$ 600 400 200 0 -40 -20 0 20 40 60 80

xsacKurama Cut4 **Entries** 3054 100 Mean -8.408Std Dev 113.1 Underflow 0 80 Overflow 0 Integral 3054 60 40 20 <del>-</del>400 -300 -200 -100100 200 300 400

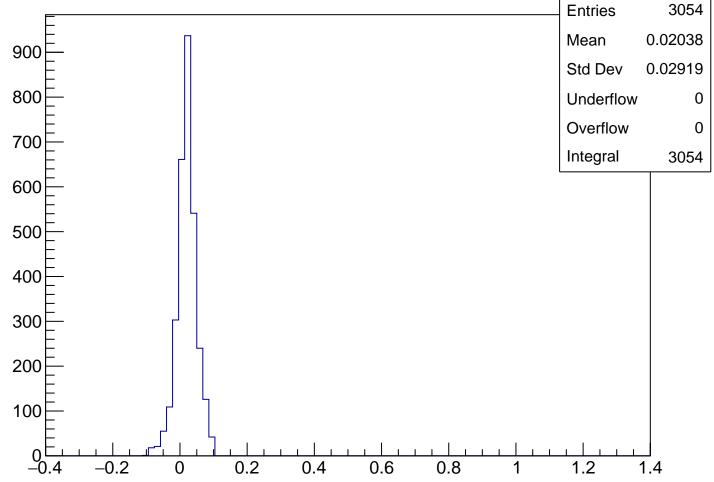
ysacKurama Cut4



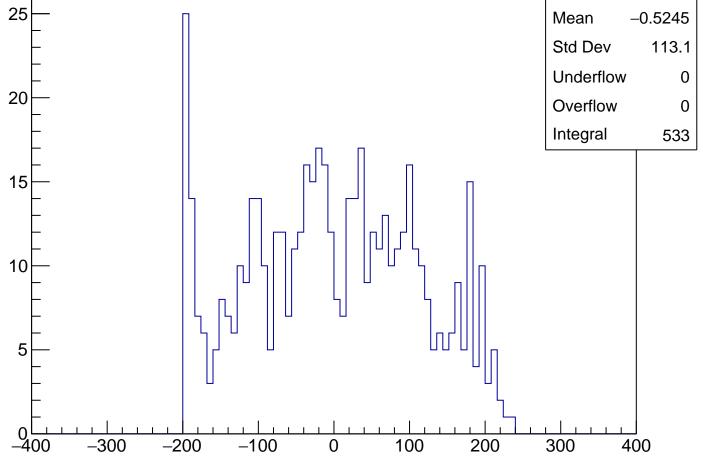
pKurama Cut4



m2 Cut4 

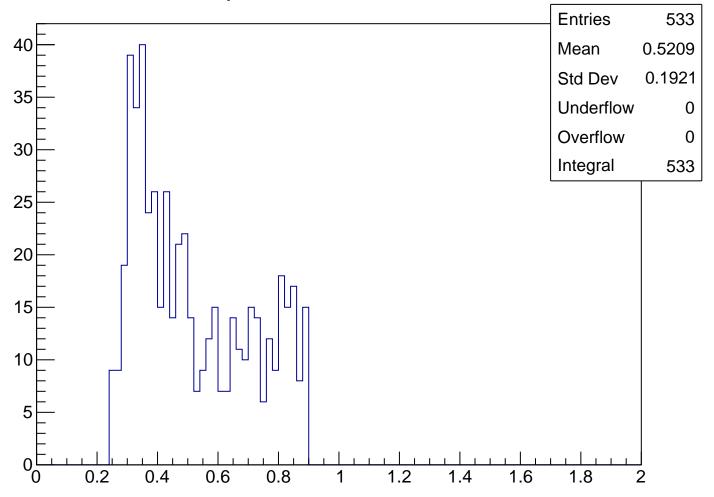


xsacKurama Cut Ver 4 **Entries** 533 -0.5245Mean Std Dev 113.1 Underflow 0 Overflow 0 Integral 533

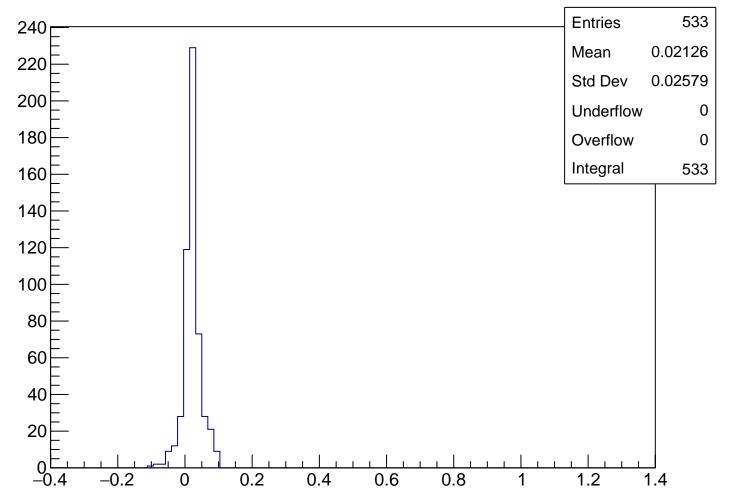


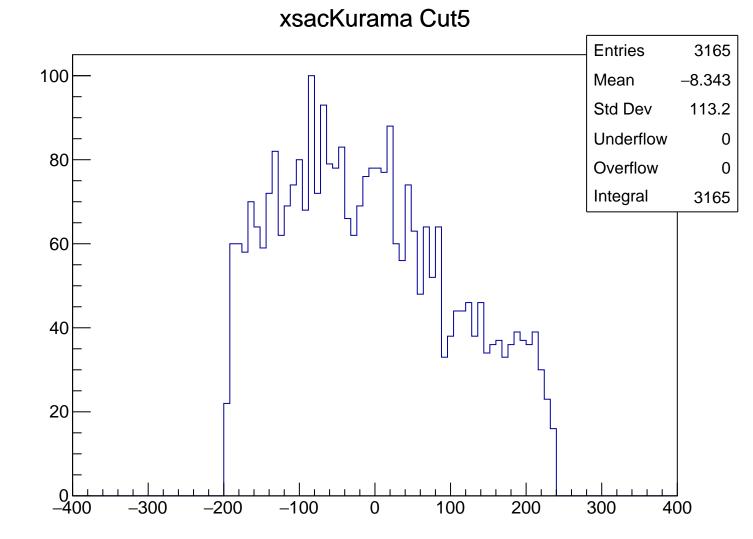
ysacKurama Cut Ver 4 **Entries** 533 24 [ Mean -0.325822 Std Dev 93.53 20 Underflow 0 18 Overflow 0 Integral 533 16 14 12 10 8 6 4 2 -300 -200 -100100 200 300 400 -400

pKurama Cut Ver 4



m2 Cut Ver 4





ysacKurama Cut5 **Entries** 3165 100 Mean 2.748 Std Dev 101.4 Underflow 0 80 Overflow 0 Integral 3165 60 40 20

100

200

300

400

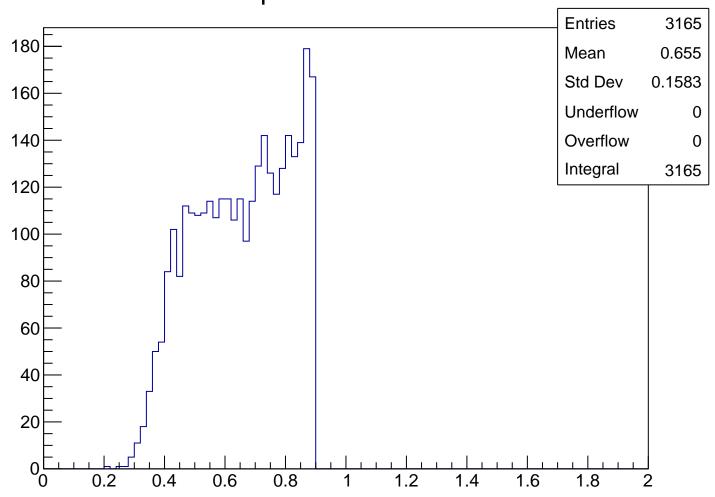
<del>-4</del>00

-300

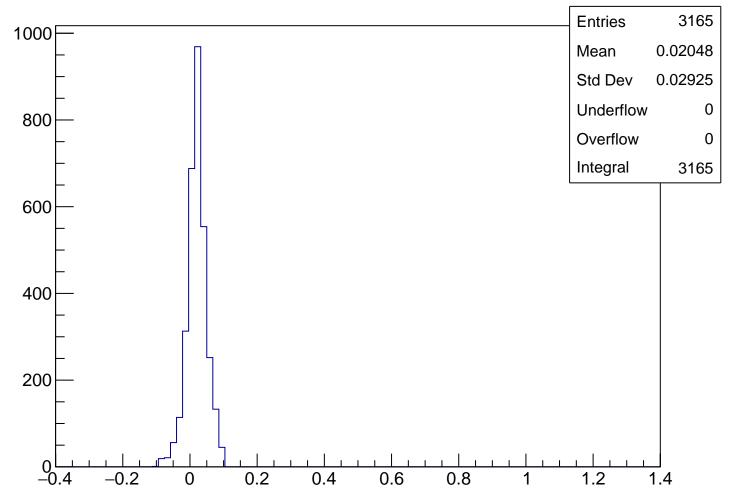
-200

-100

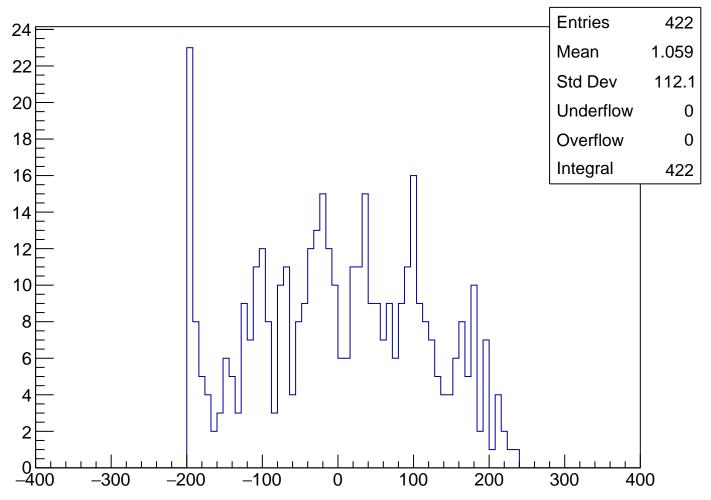
pKurama Cut5



m2 Cut5

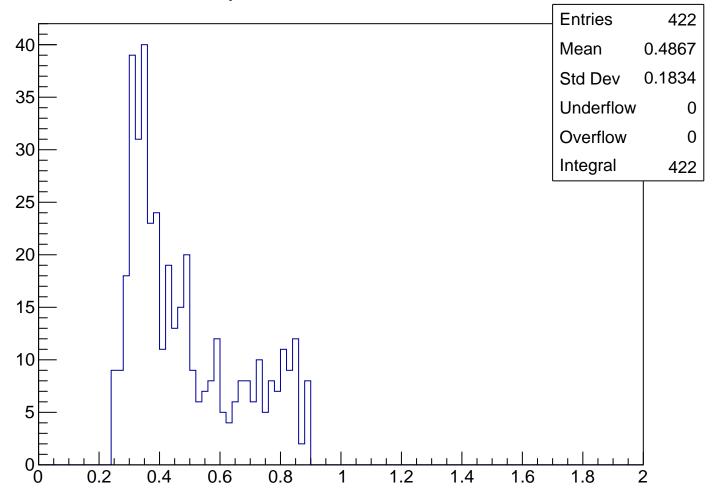


xsacKurama Cut Ver 5

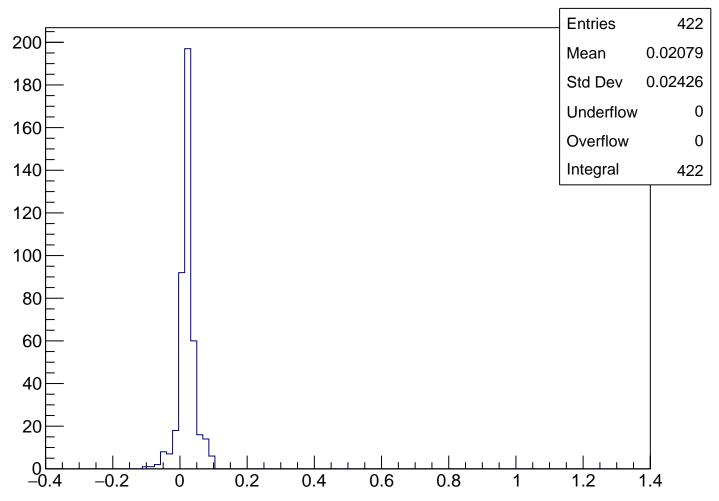


ysacKurama Cut Ver 5 **Entries** 0.8373 Mean 91.88 Std Dev Underflow Overflow Integral -400 -300 -200 -100

pKurama Cut Ver 5

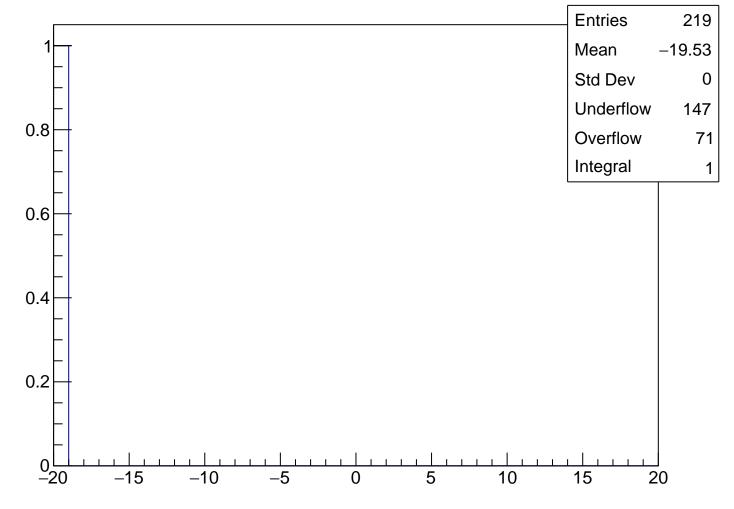


m2 Cut Ver 5



tSac Or Cut5 **Entries** 3470 Mean 1.006 10<sup>3</sup> 2.156 Std Dev Underflow 0 Overflow Integral 3470  $\chi^2$  / ndf 170.5 / 6  $10^2$  $812.6 \pm 17.6$ Constant Mean  $0.7797 \pm 0.0288$ Sigma  $1.563 \pm 0.020$ 10 -40 -20 20 40 60 80

## tSac Or Cut Ver 5

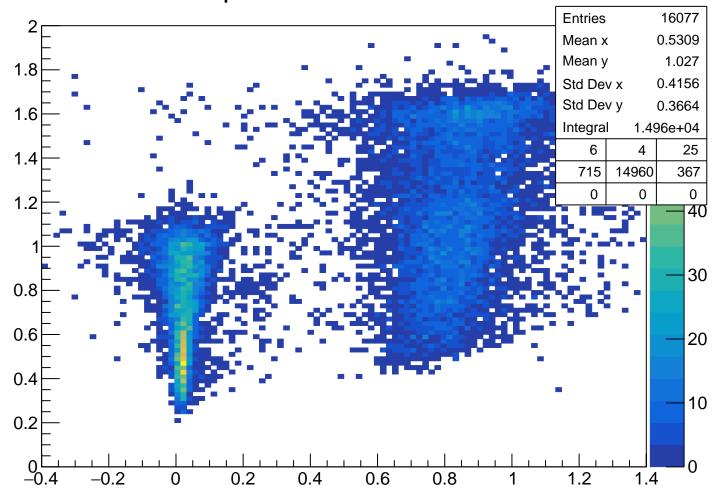


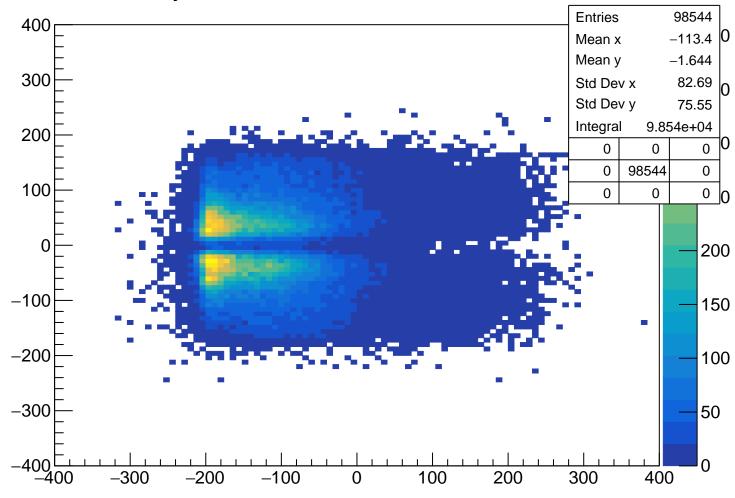
pKurama % ThetaKurama

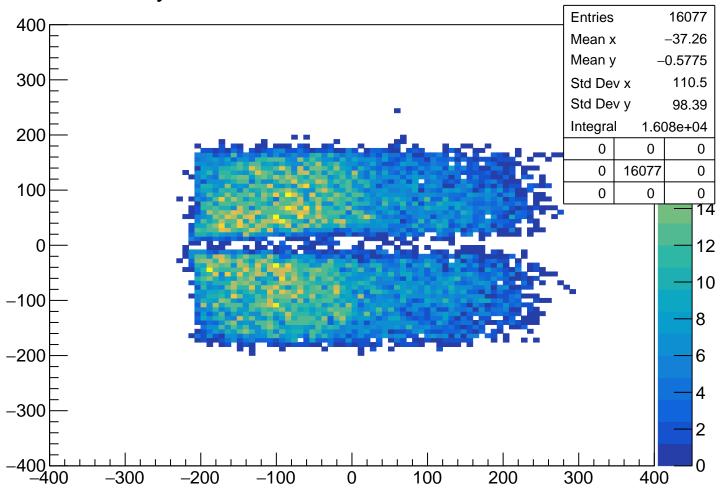


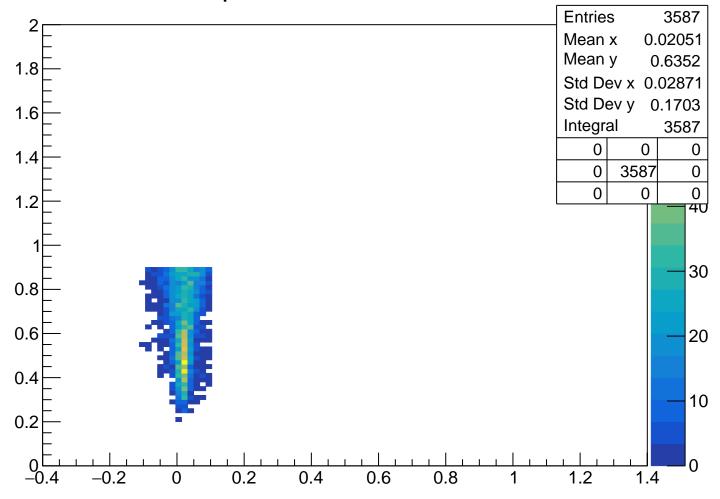
pKurama % m2

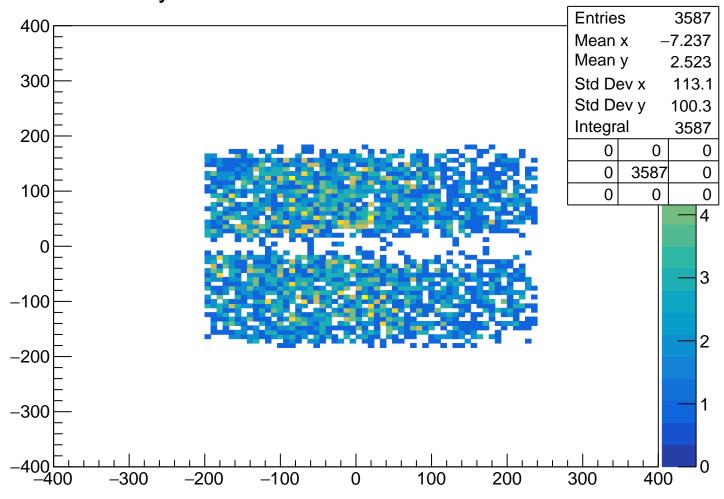


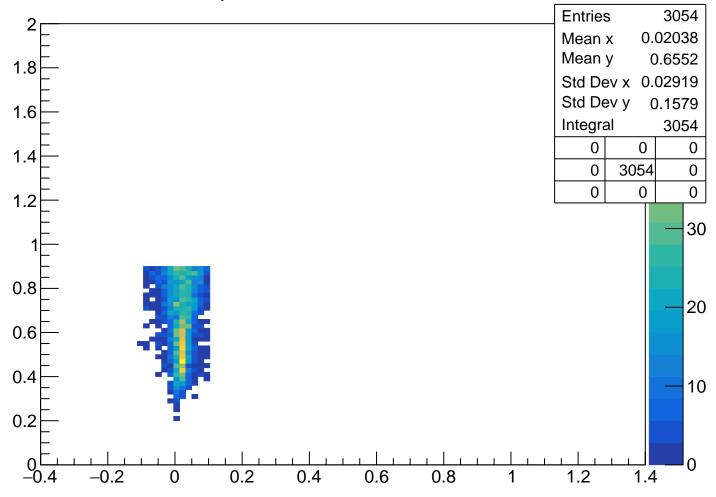


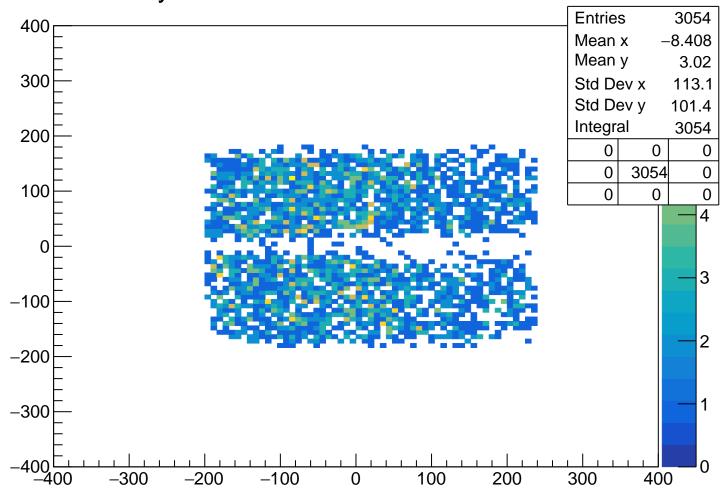




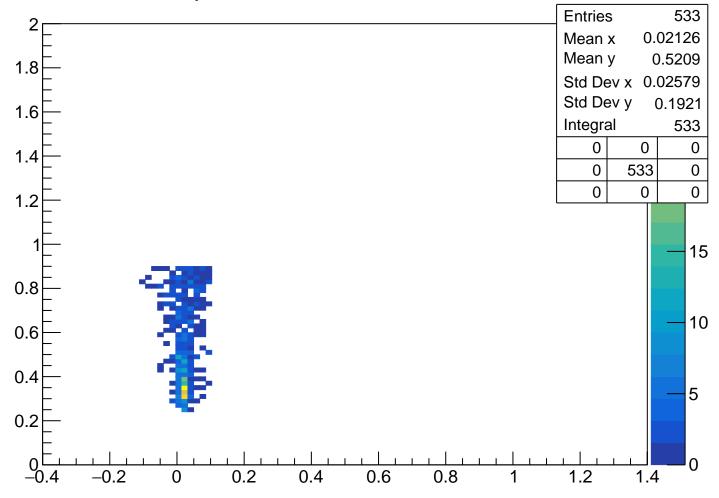


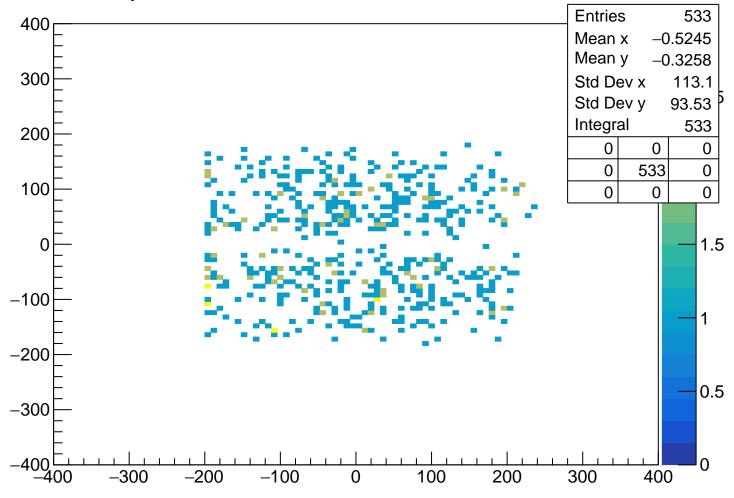


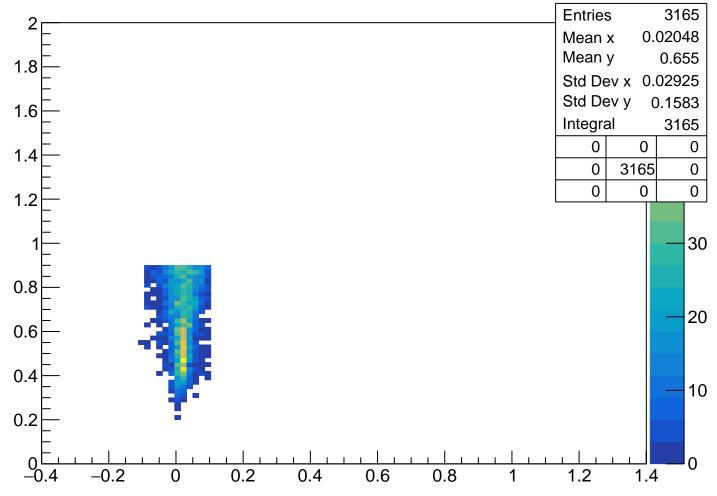


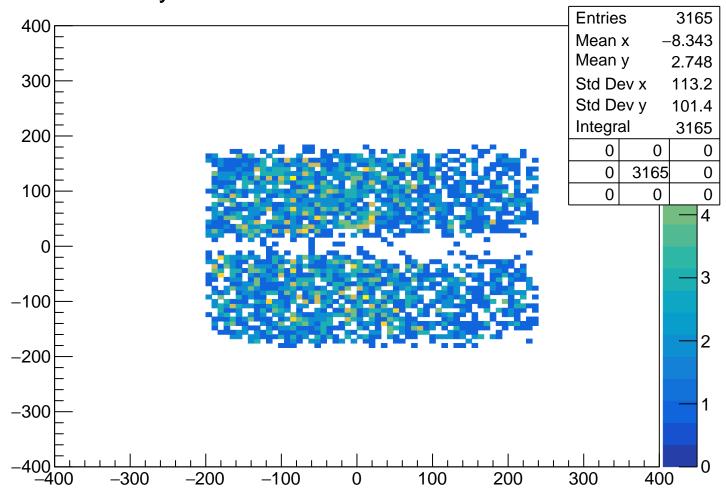


pKurama % m2 Cut Ver 4









pKurama % m2 Cut Ver 5

