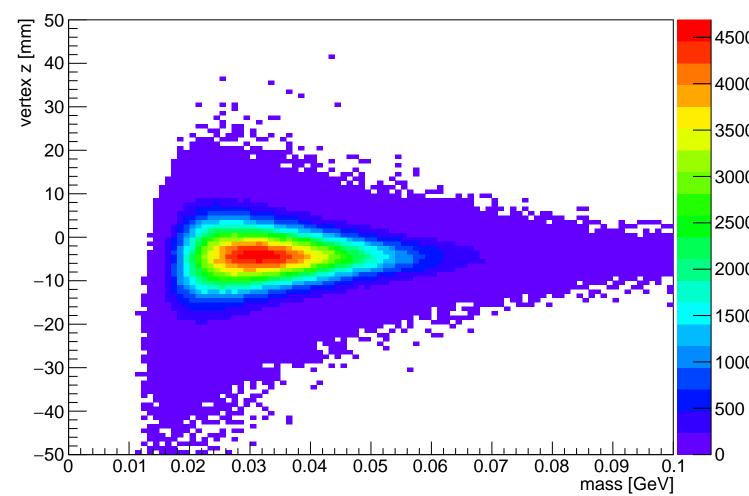
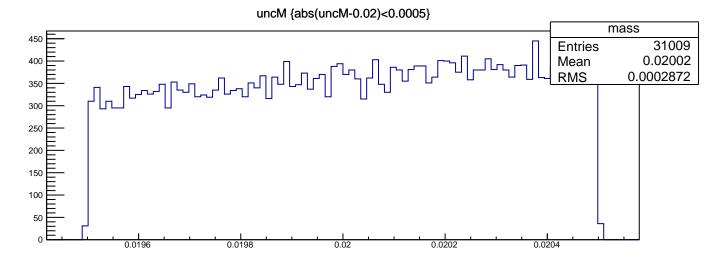
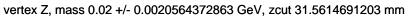
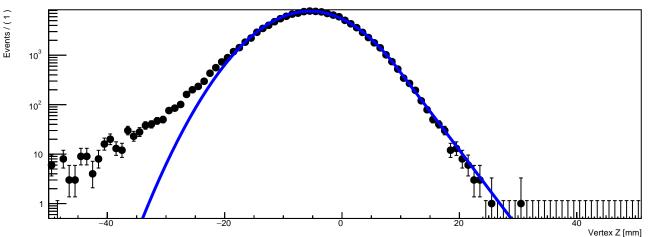
vertexing data

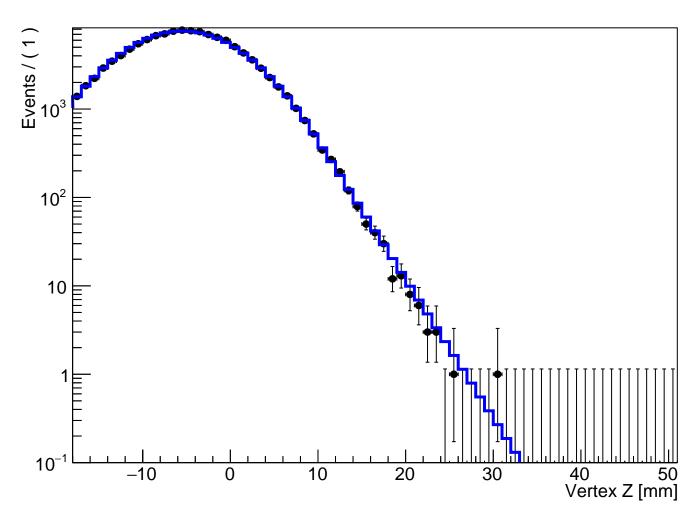


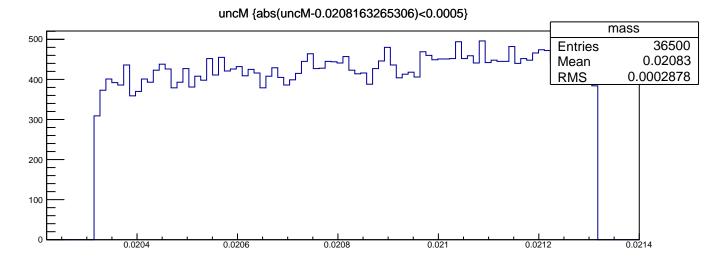


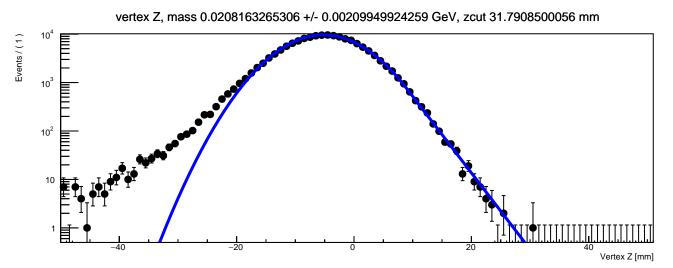


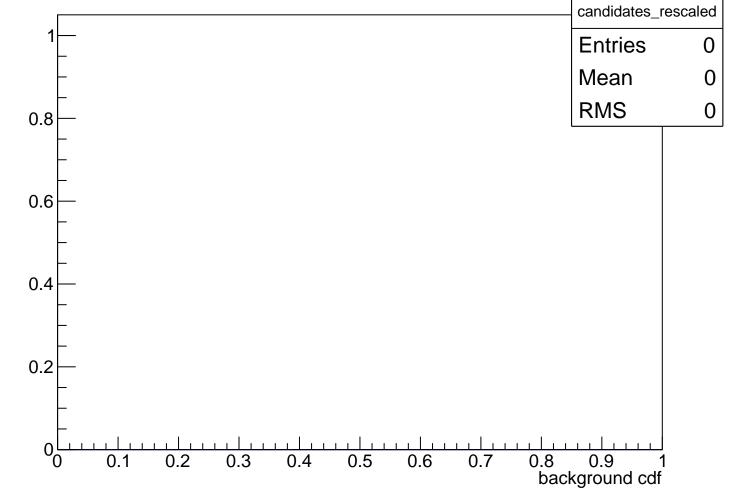


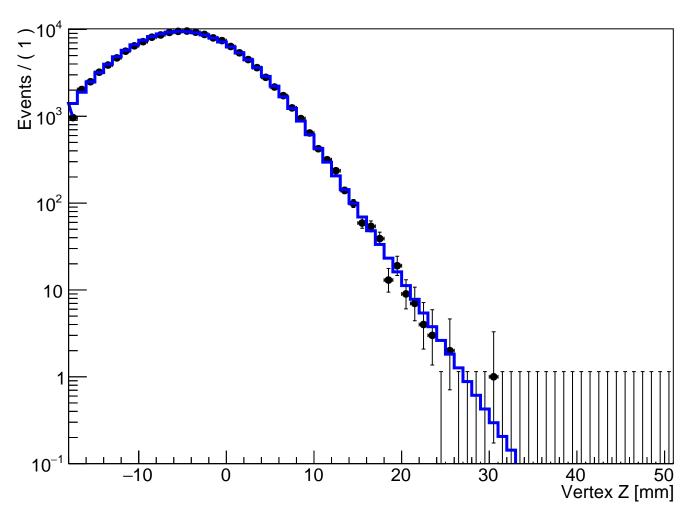
mass 0.02 candidates_rescaled **Entries** 0 Mean 0 **RMS** 0 8.0 0.6 0.4 0.2 00 0.8 0.9 1 background cdf 0.2 0.3 0.5 0.6 0.7 0.1 0.4

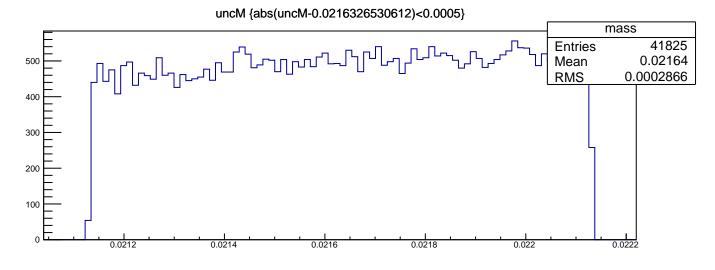


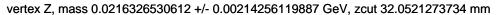


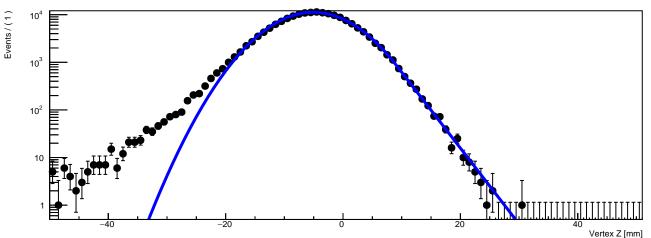


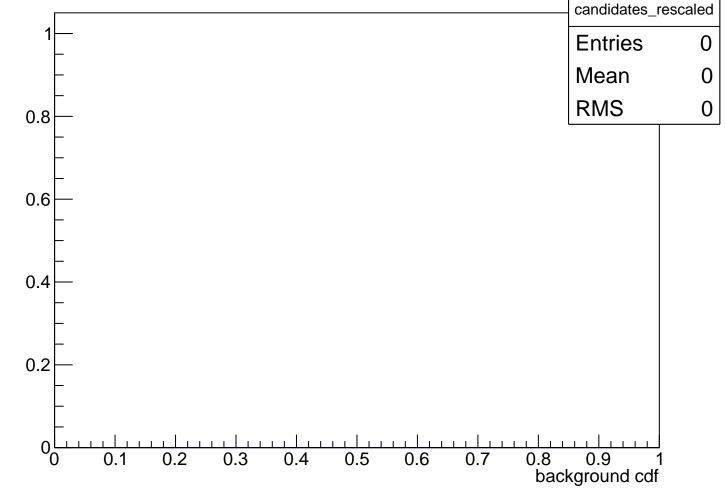


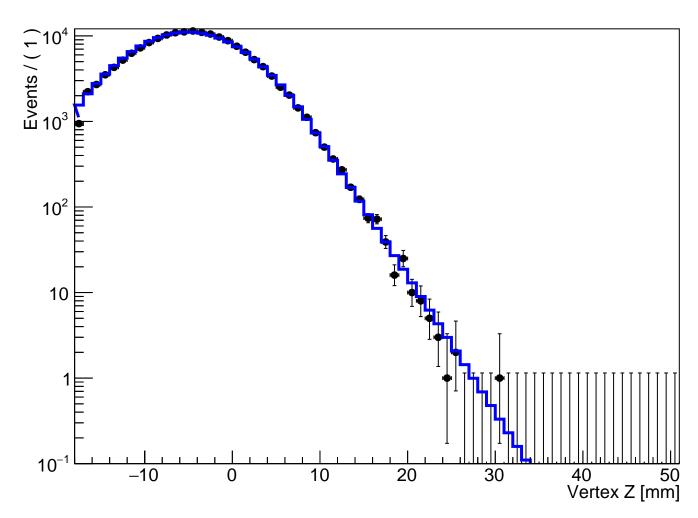


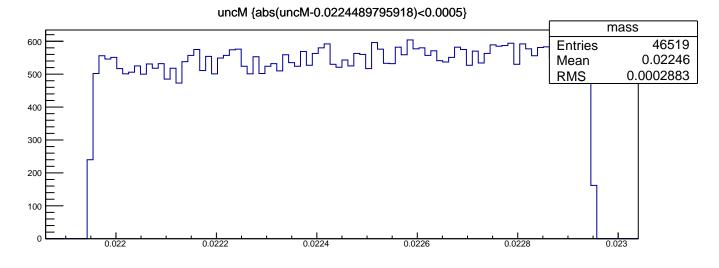


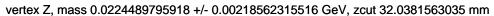


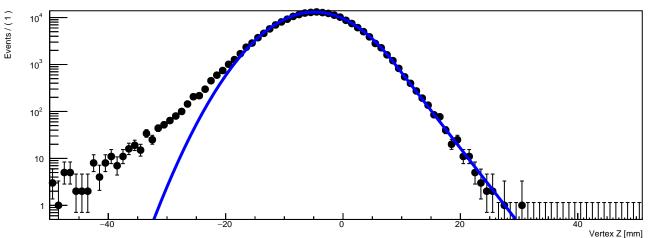


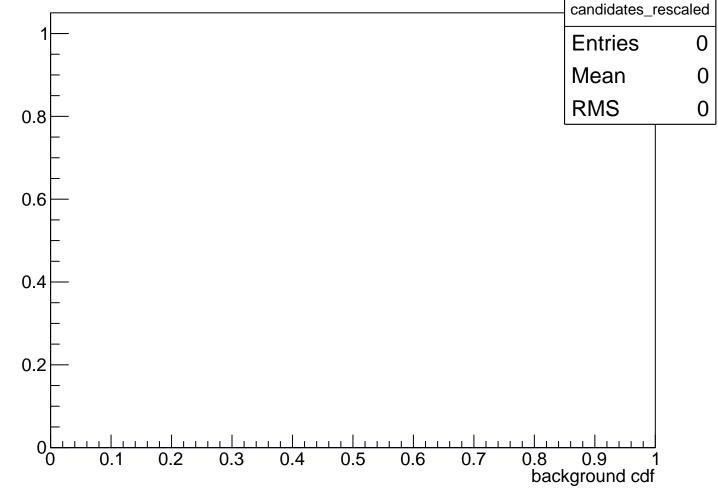


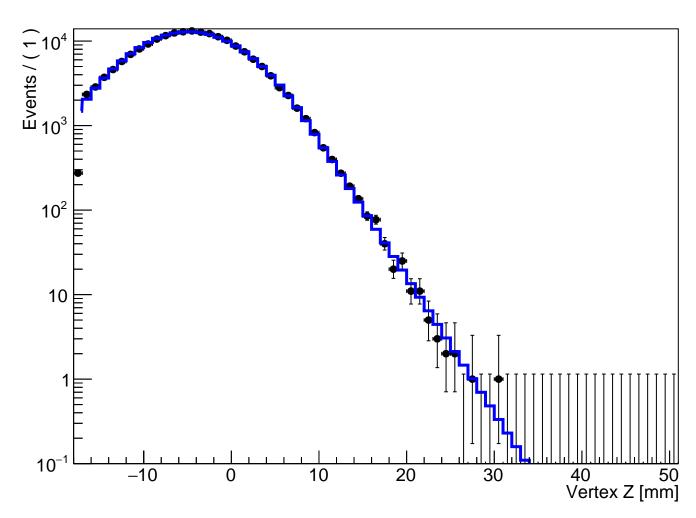


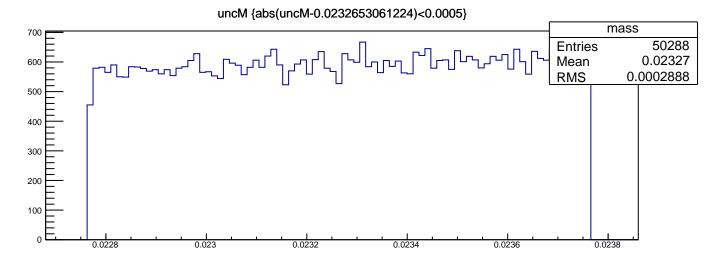


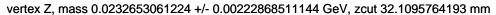


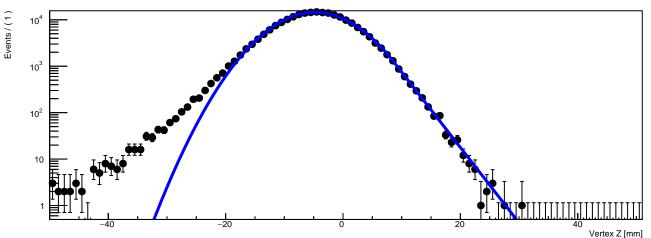


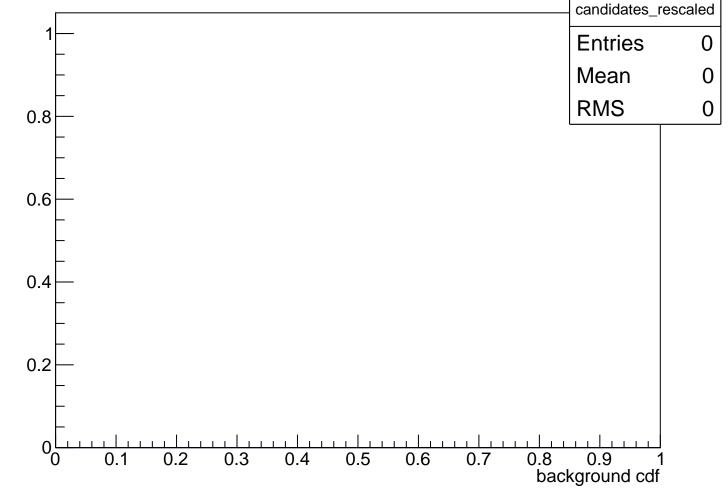


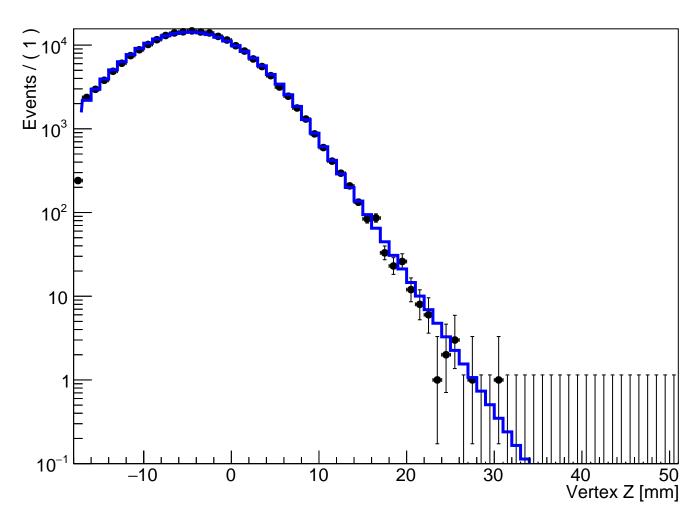


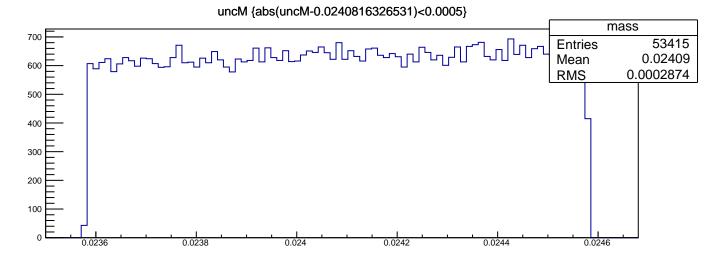


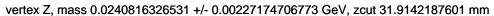


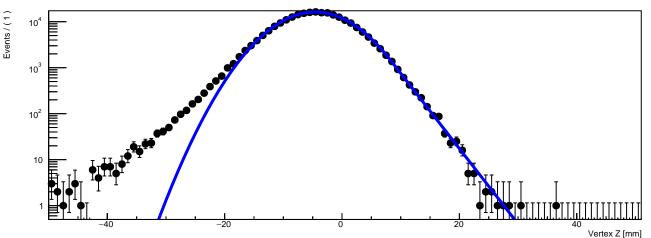


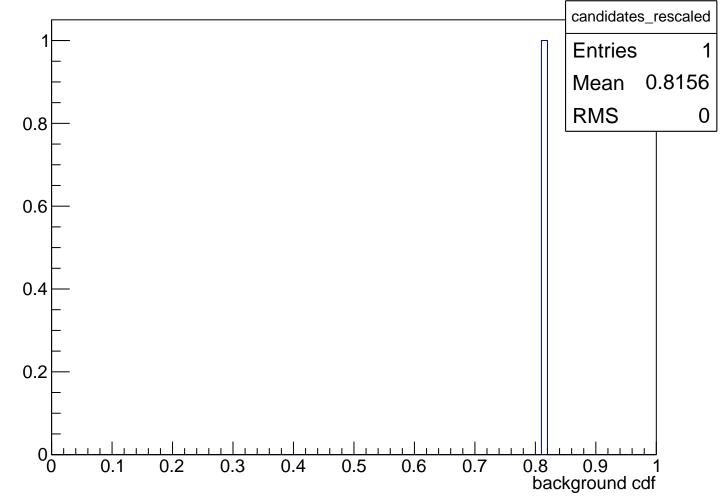


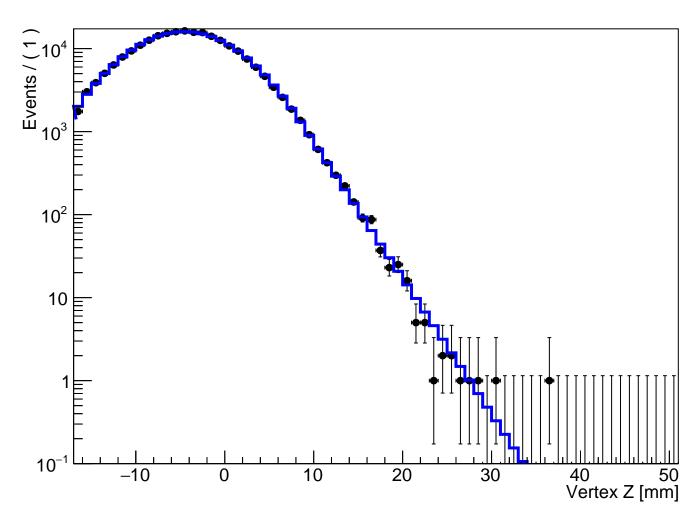


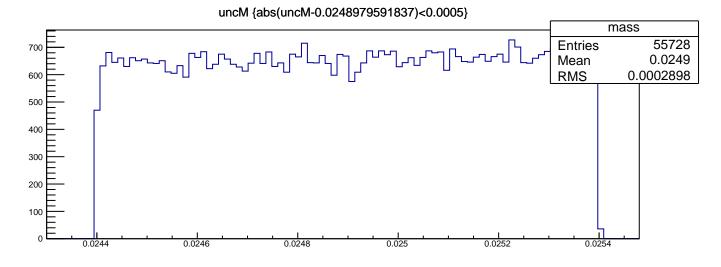




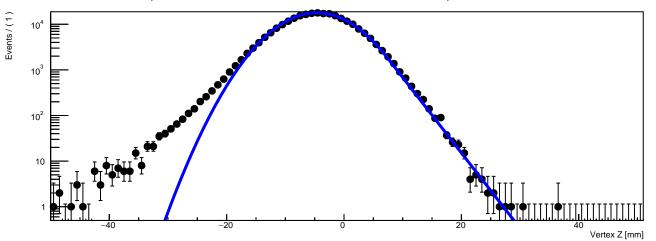


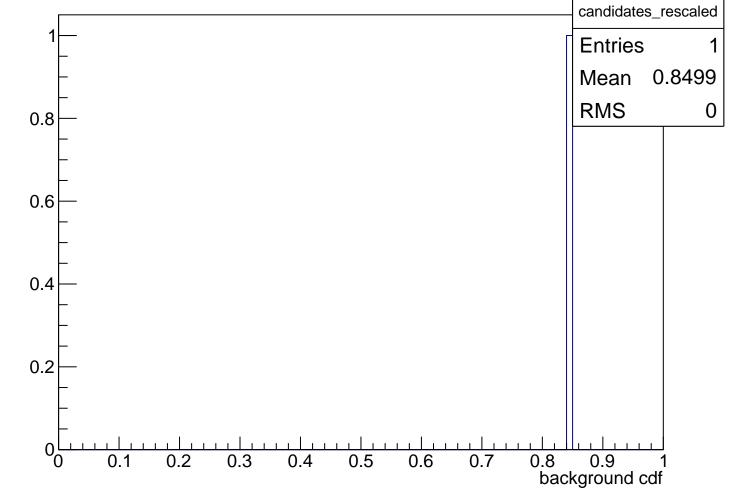


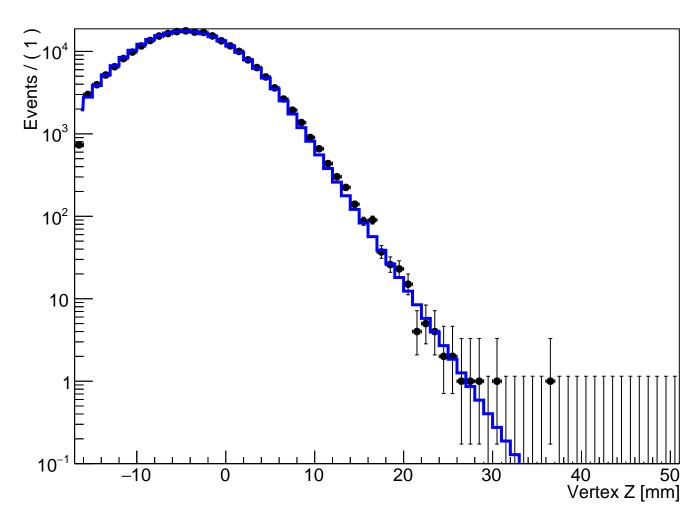


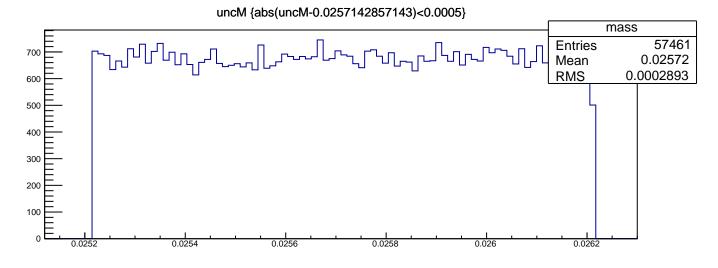


vertex Z, mass 0.0248979591837 +/- 0.00231480902401 GeV, zcut 31.4162784355 mm

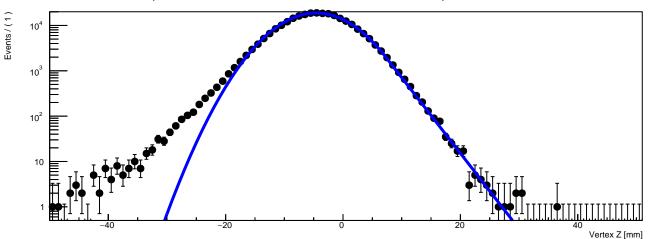


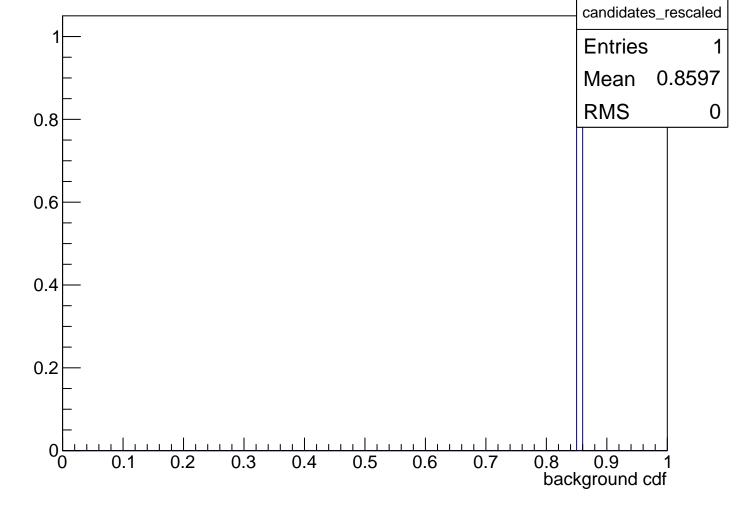


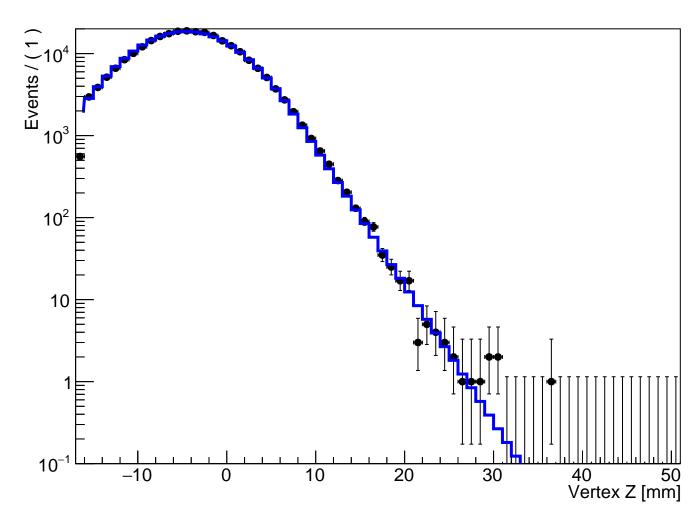


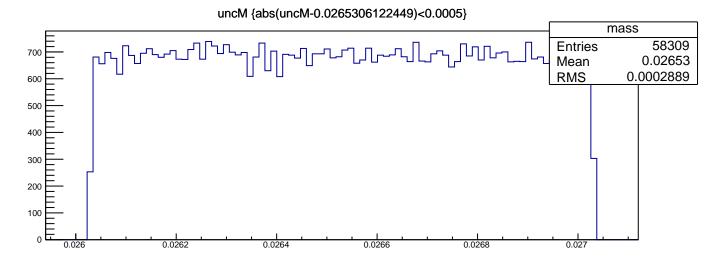


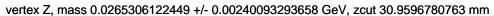
vertex Z, mass 0.0257142857143 +/- 0.0023578709803 GeV, zcut 31.2887406165 mm

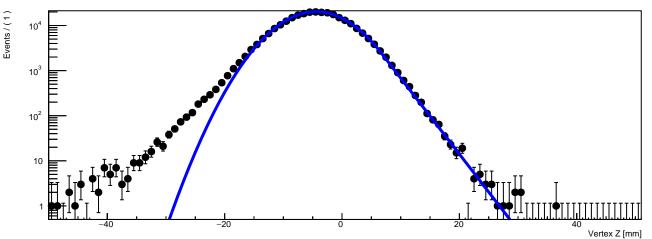


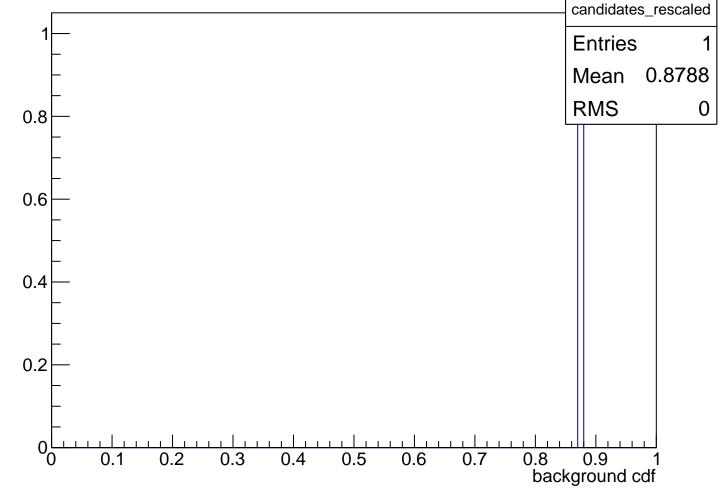


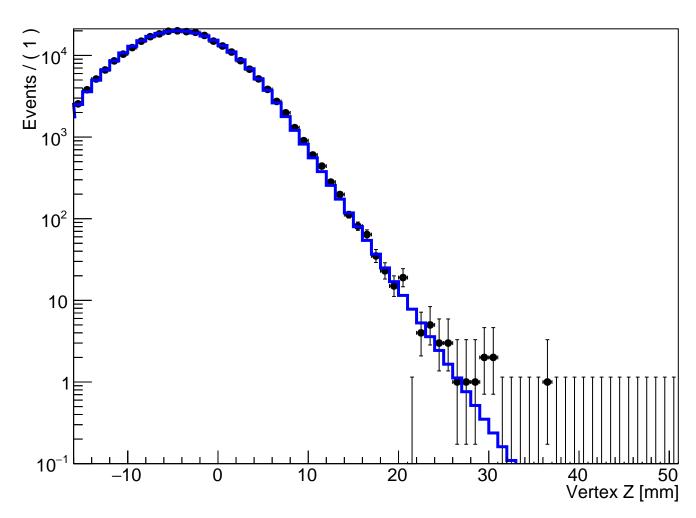


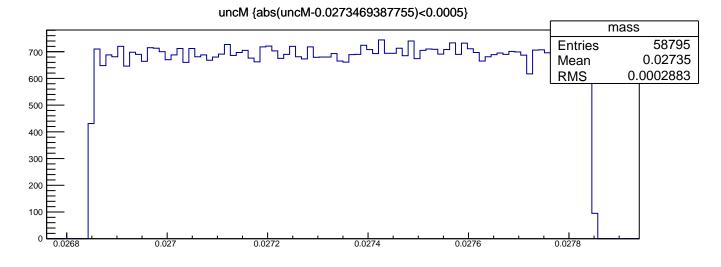


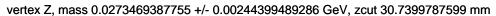


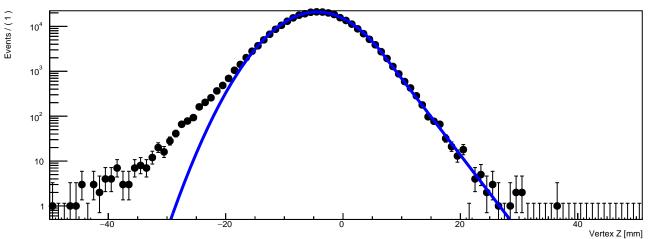




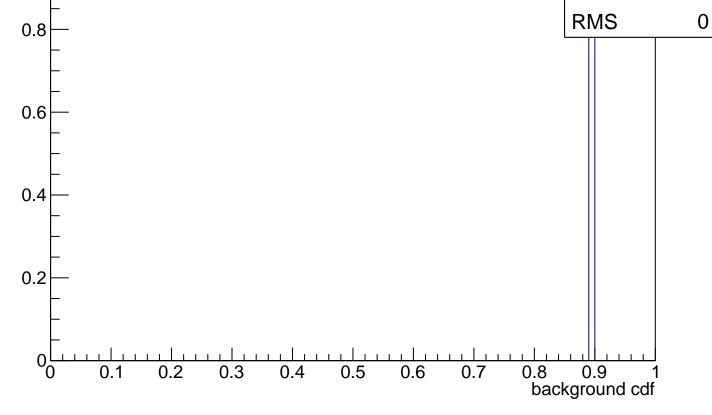


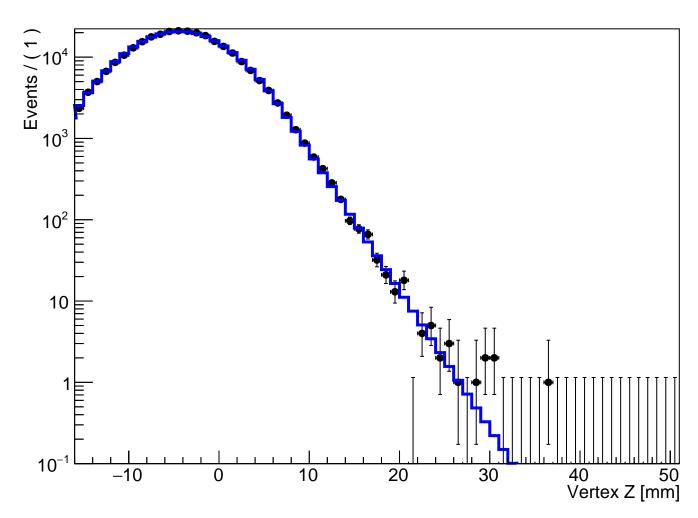


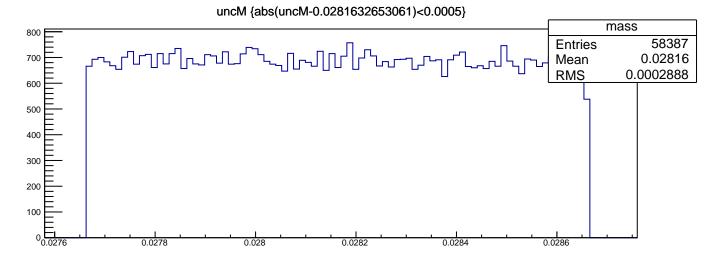


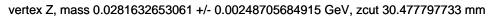


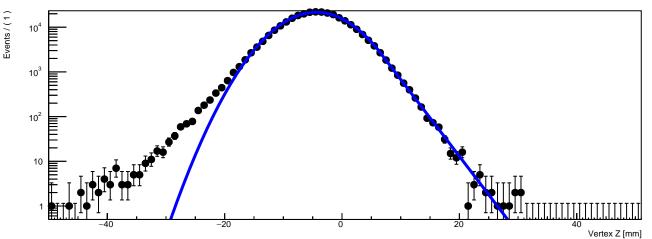
mass 0.0273469387755 candidates_rescaled **Entries** Mean 0.8911 **RMS** 0 8.0 0.6 0.4 0.2

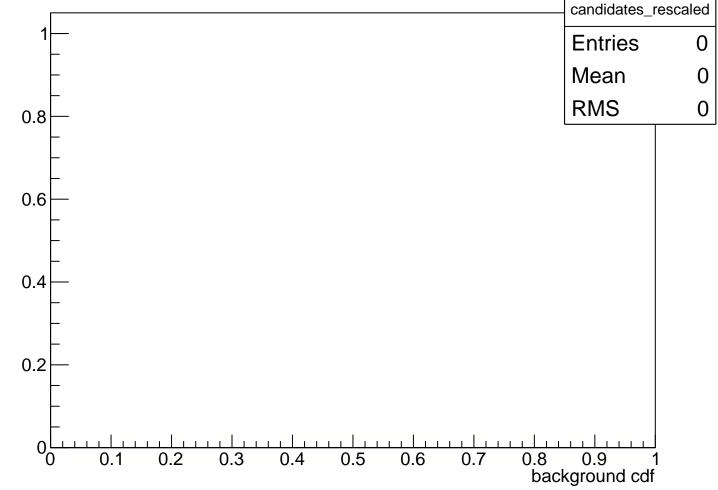


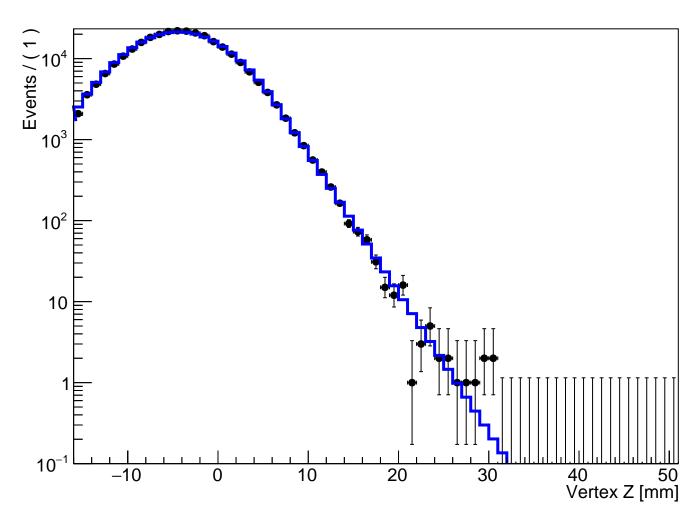


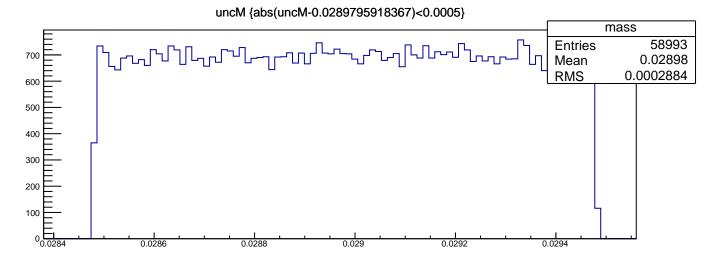


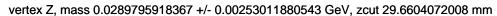


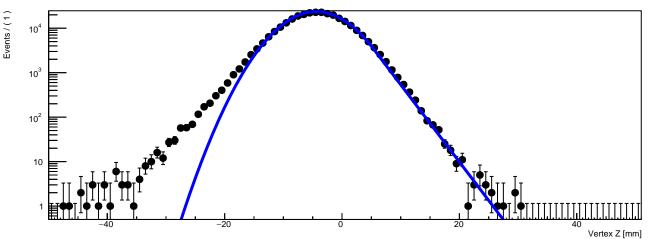


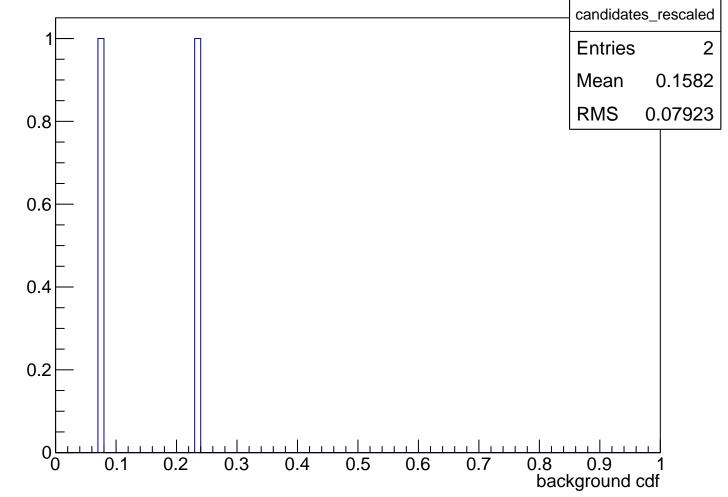


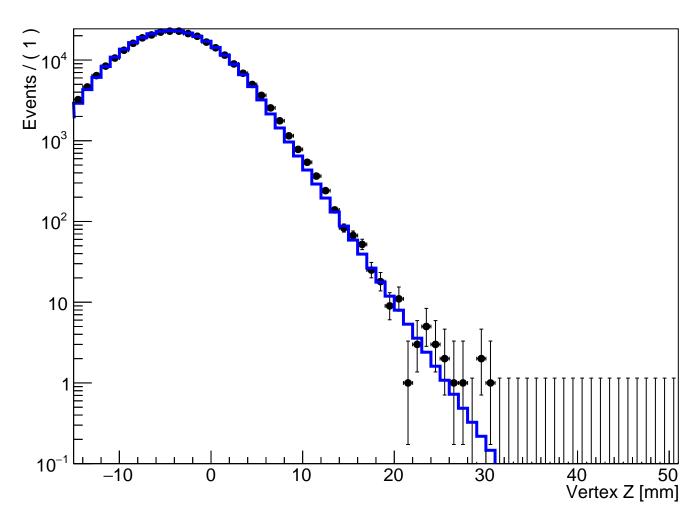


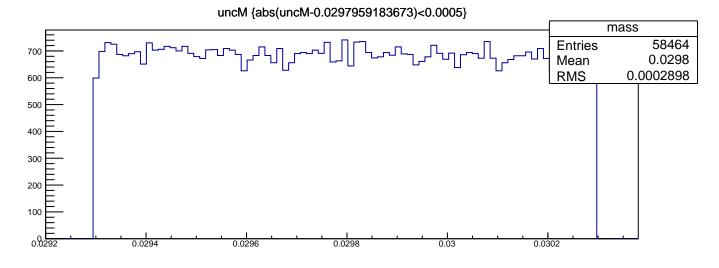


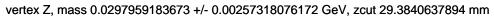


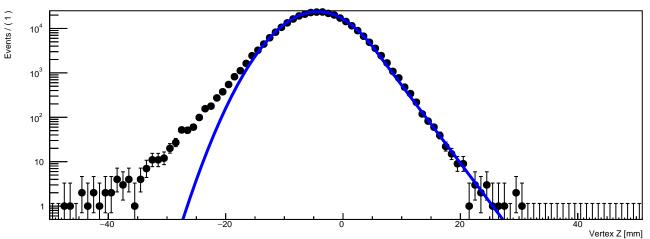


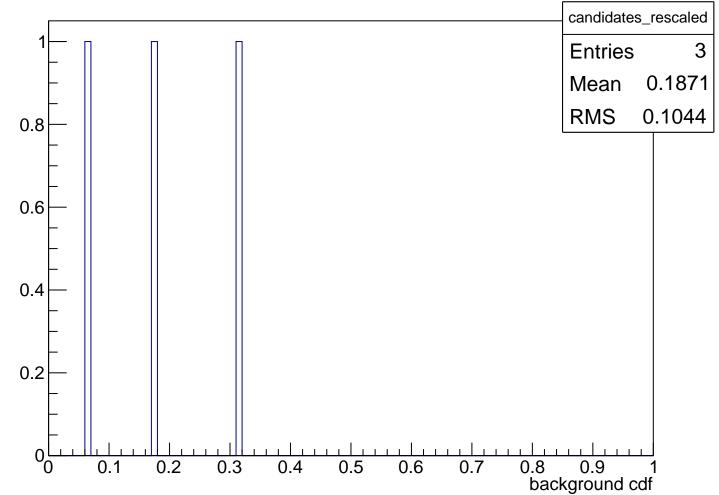


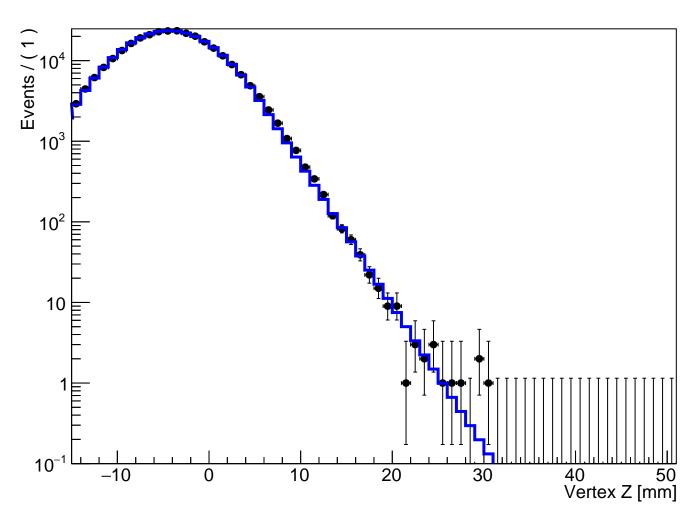


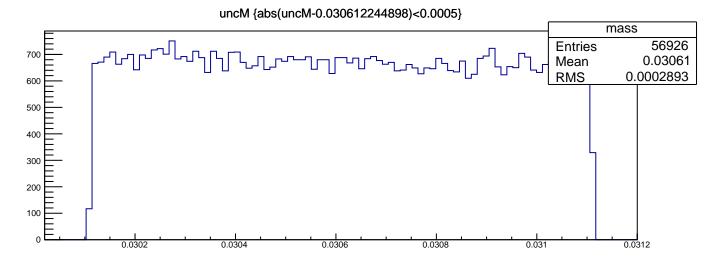


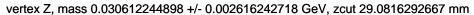


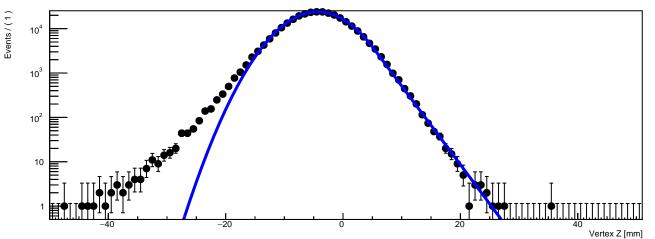


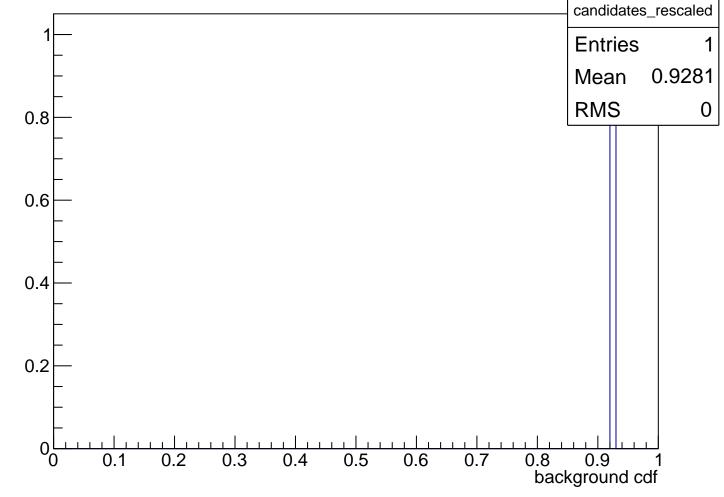


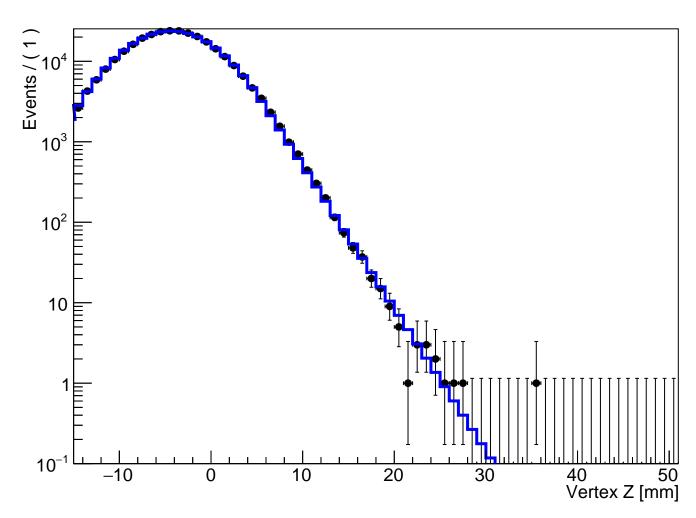


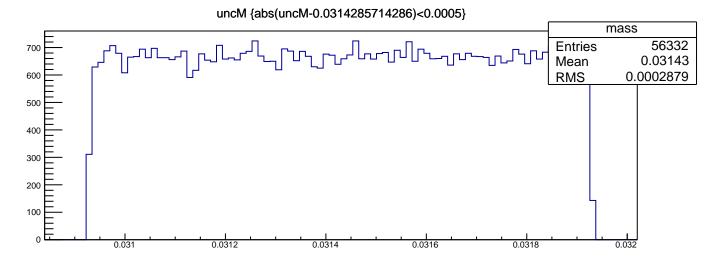


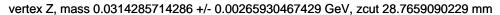


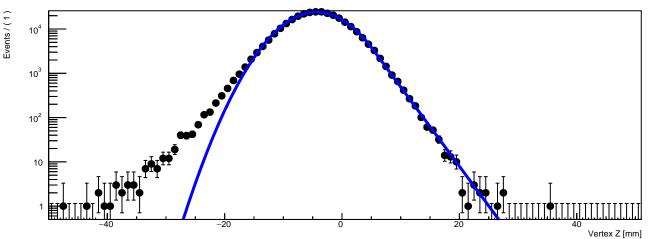












mass 0.0314285714286 candidates_rescaled **Entries** 0.9386 Mean **RMS** 0 8.0 0.6 0.4 0.2

0.5

0.6

0.7

0.3

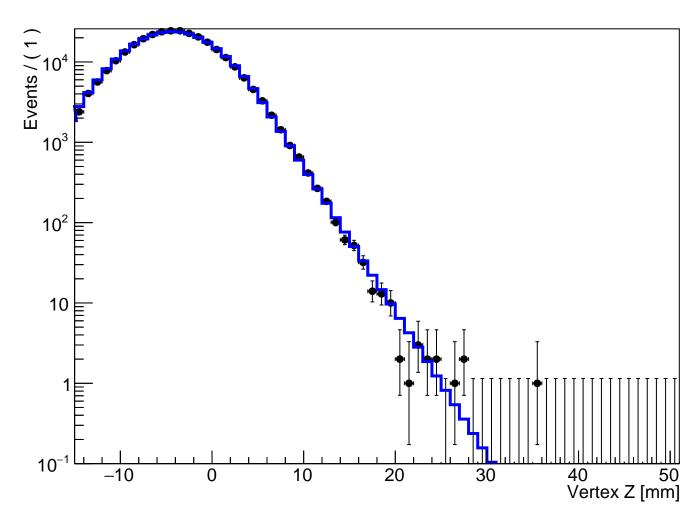
0.4

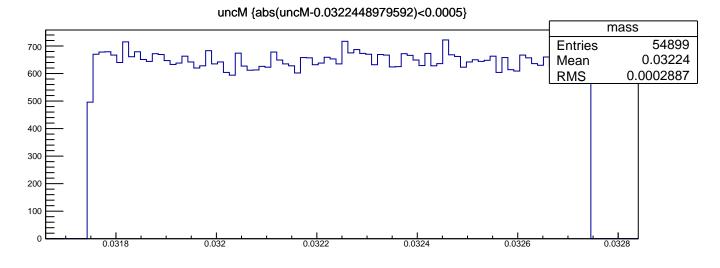
0.8 0.9 1 background cdf

0

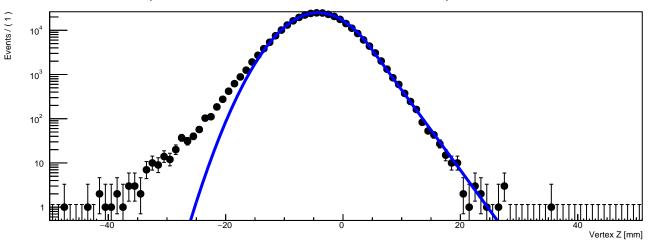
0.1

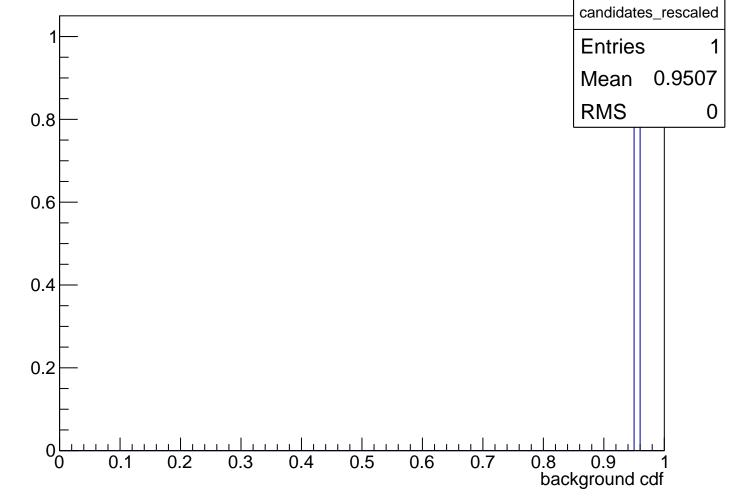
0.2

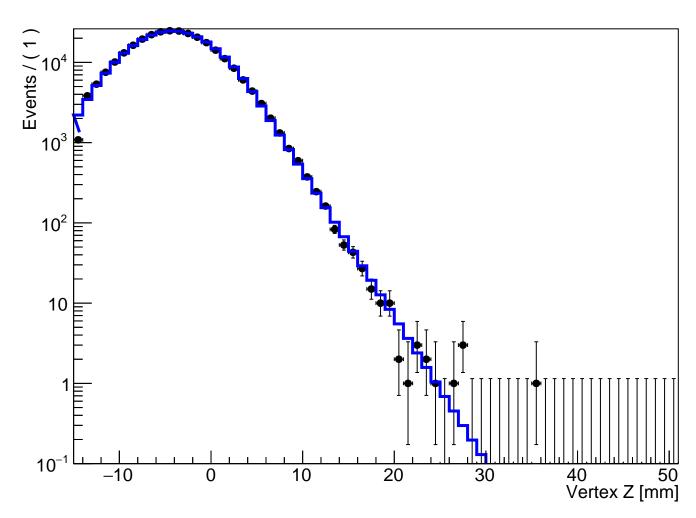


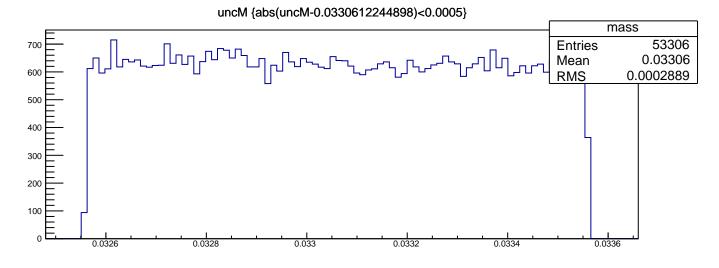


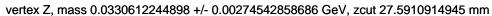
vertex Z, mass 0.0322448979592 +/- 0.00270236663057 GeV, zcut 28.3072895544 mm

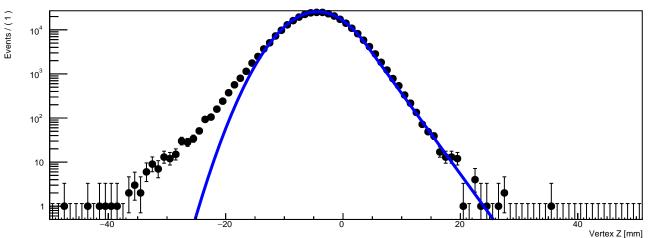




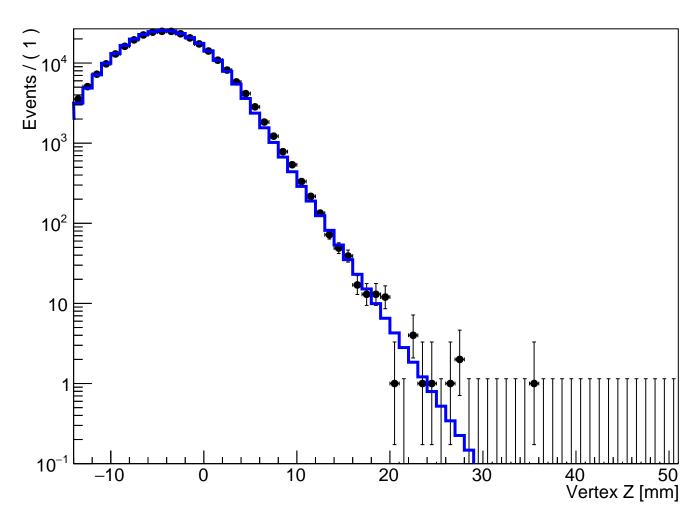


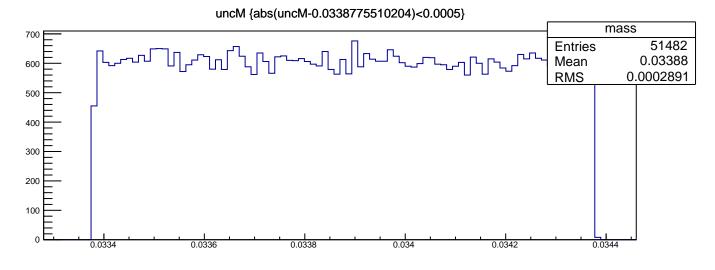




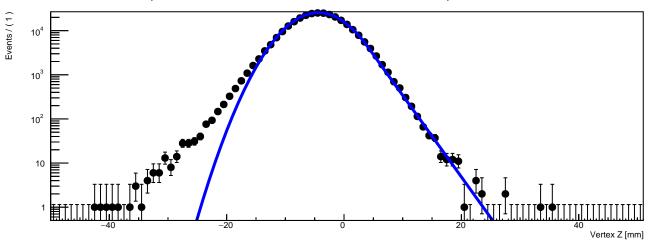


mass 0.0330612244898 candidates_rescaled **Entries** Mean 0.9647 **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.2 0.3 0.5 0.1 0.4 0.6 0.7

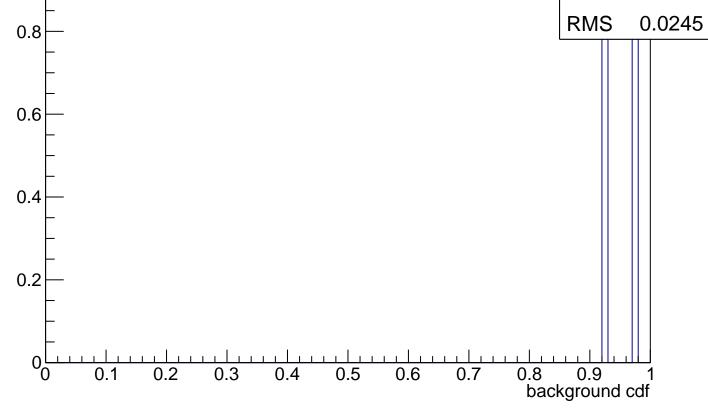


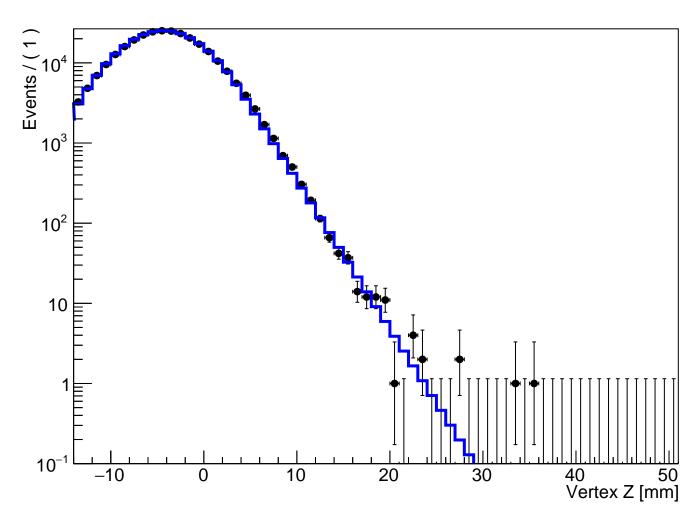


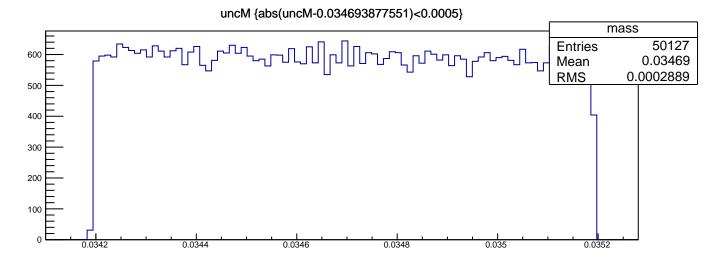
vertex Z, mass 0.0338775510204 +/- 0.00278849054314 GeV, zcut 27.2556802073 mm



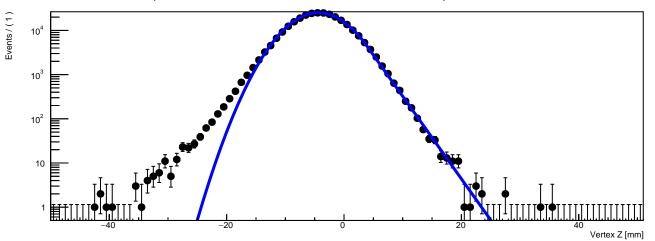
mass 0.0338775510204 candidates_rescaled **Entries** Mean 0.946 **RMS** 8.0 0.6

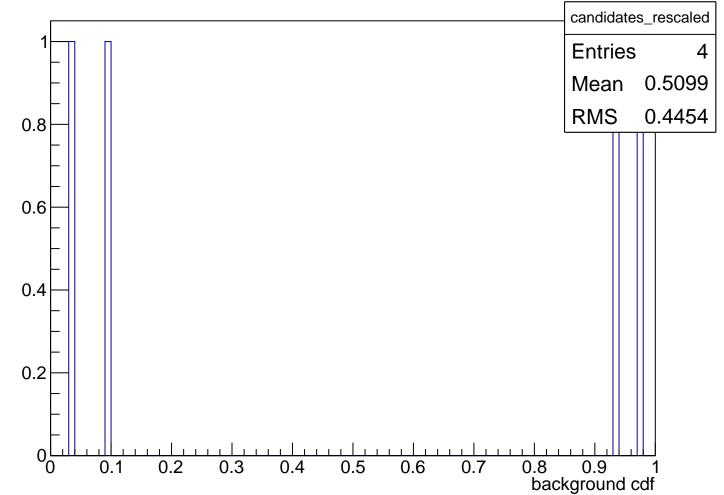


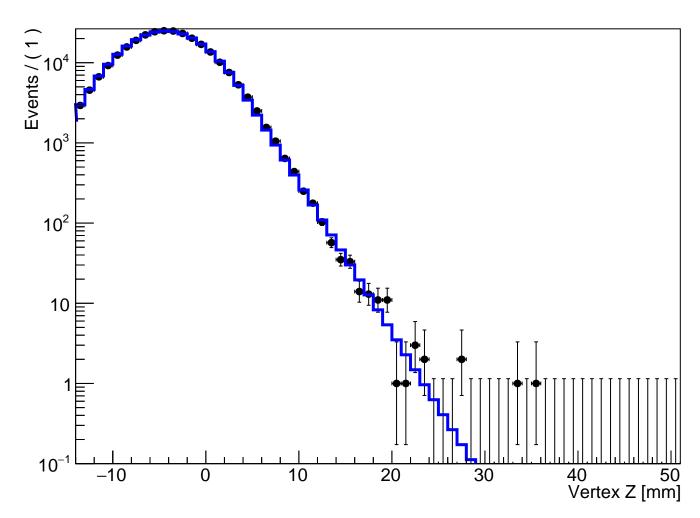


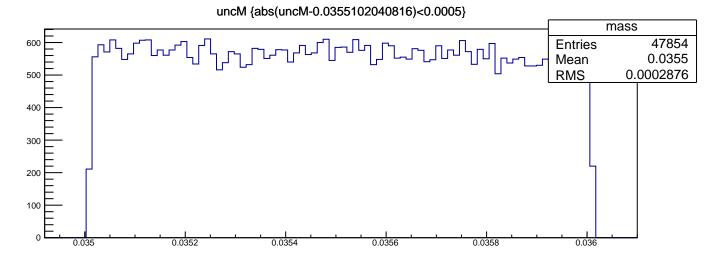


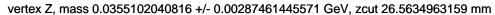
vertex Z, mass 0.034693877551 +/- 0.00283155249942 GeV, zcut 26.9166334977 mm

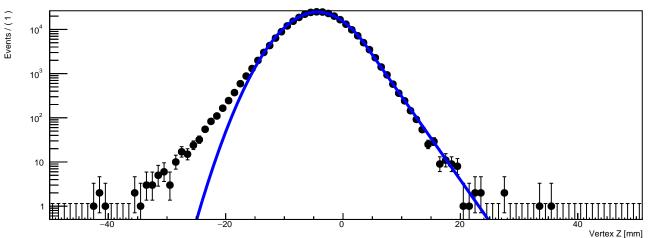


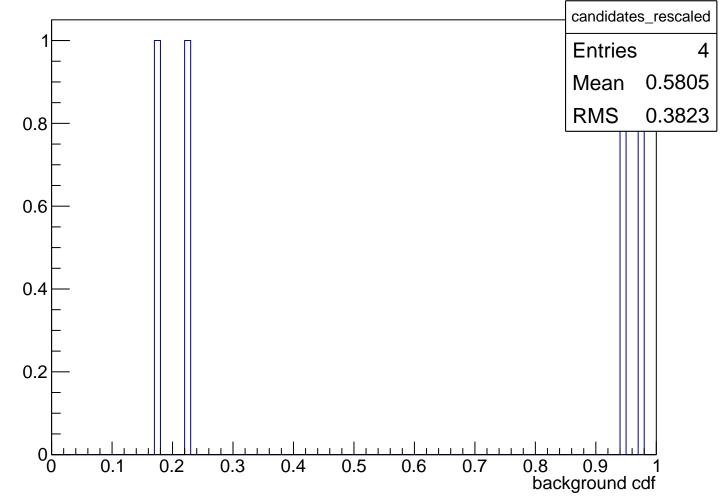


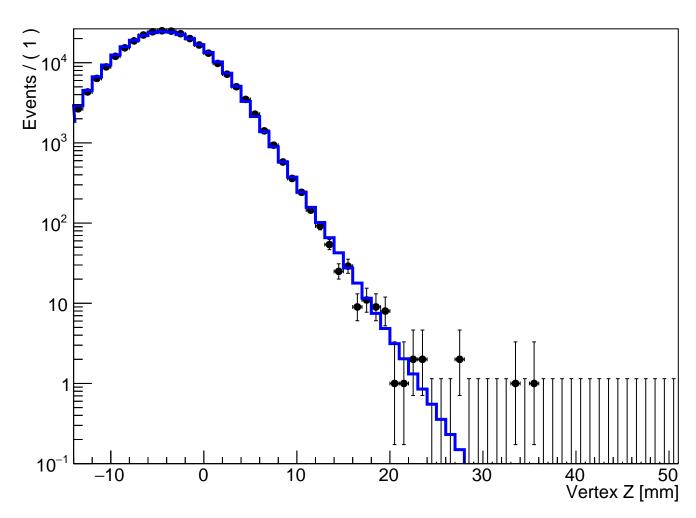


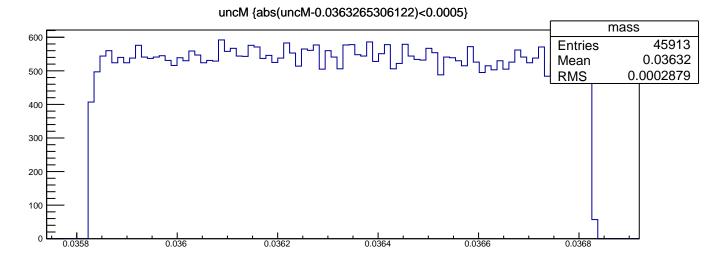




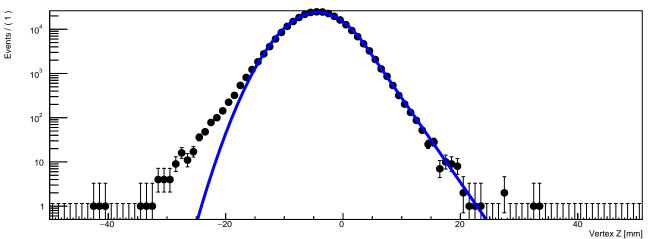


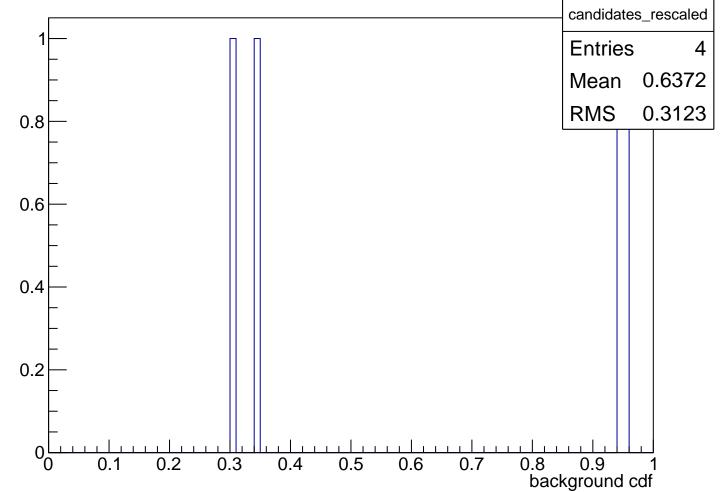


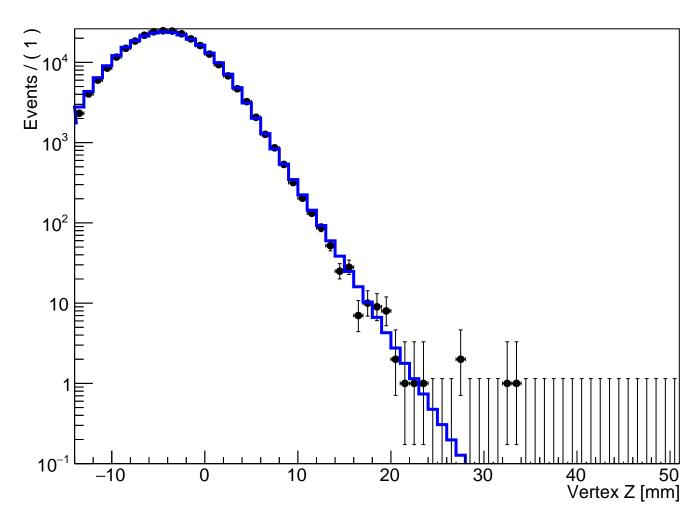


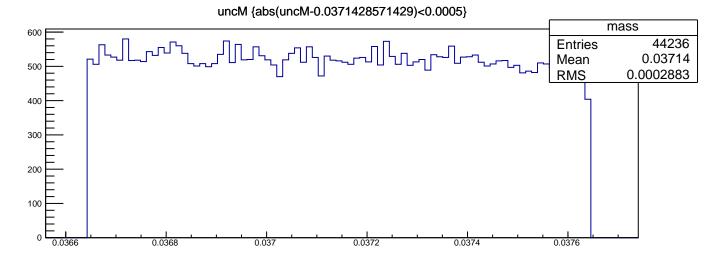




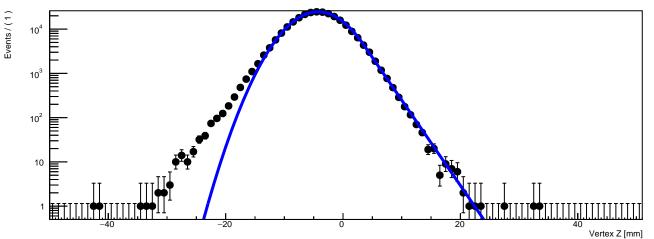




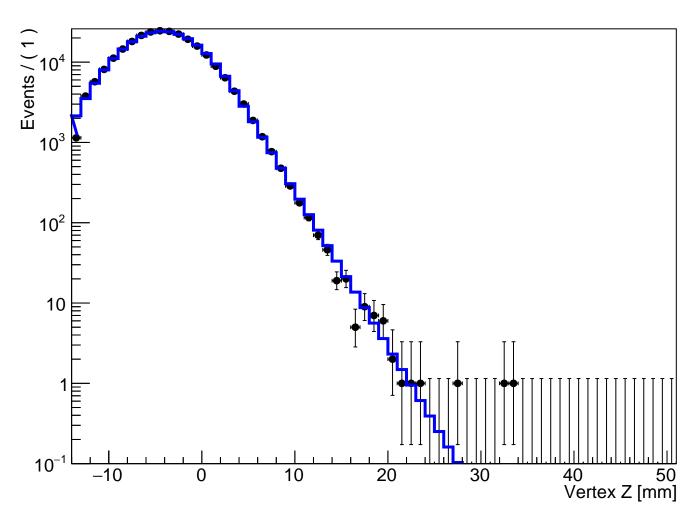


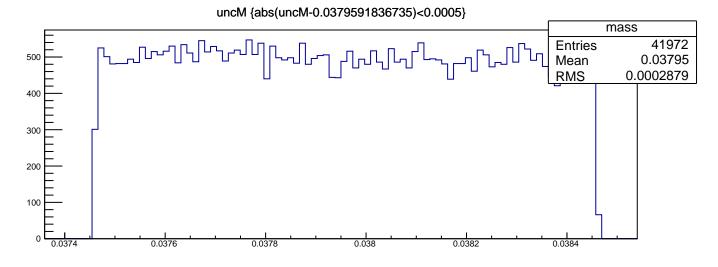


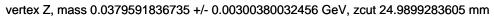


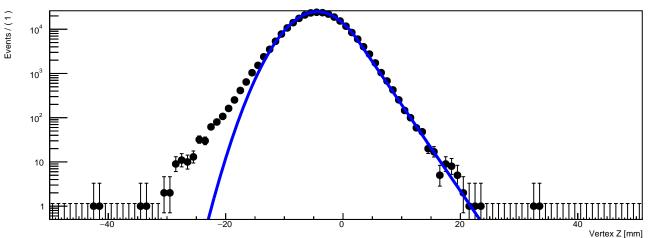


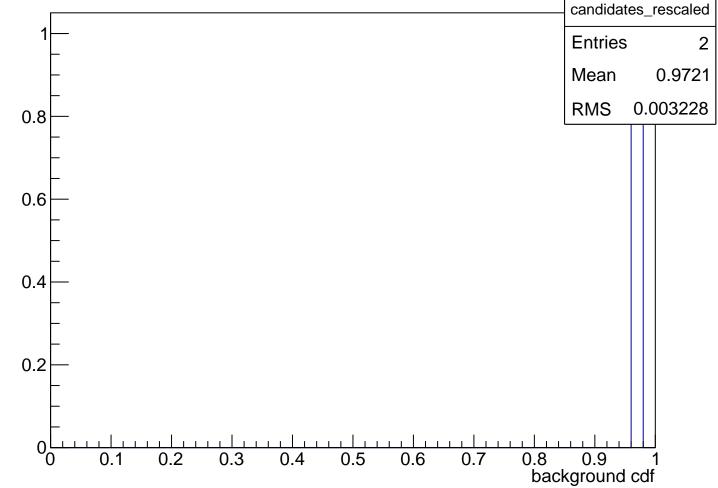
mass 0.0371428571429 candidates_rescaled **Entries** 3 Mean 0.796 0.2318 **RMS** 8.0 0.6 0.4 0.2 0).8 0.9 1 background cdf 0.3 0.5 8.0 0.1 0.2 0.4 0.6 0.7

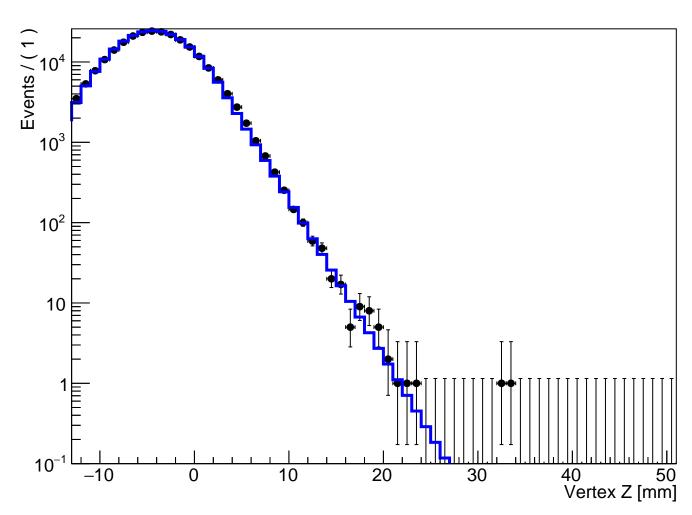


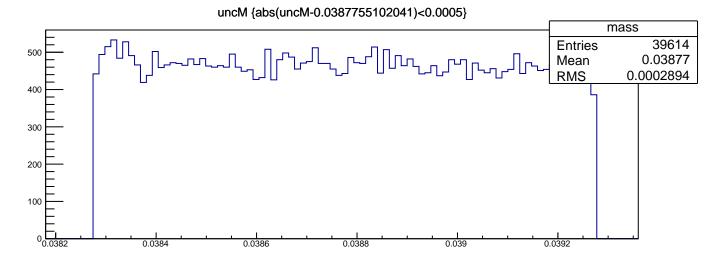


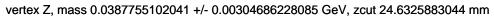


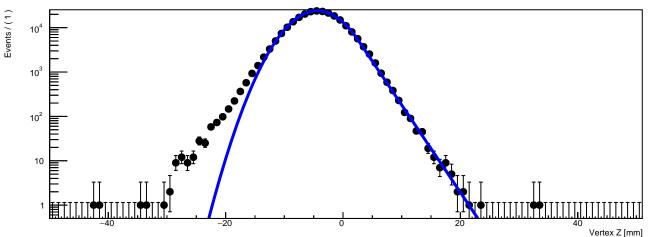


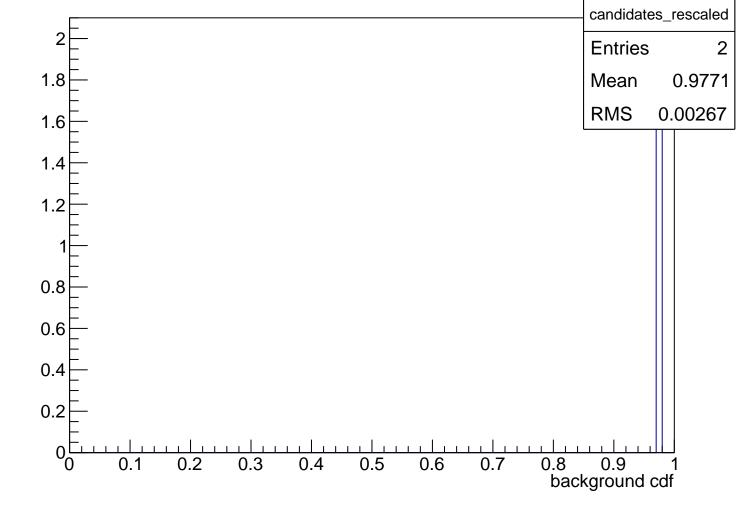


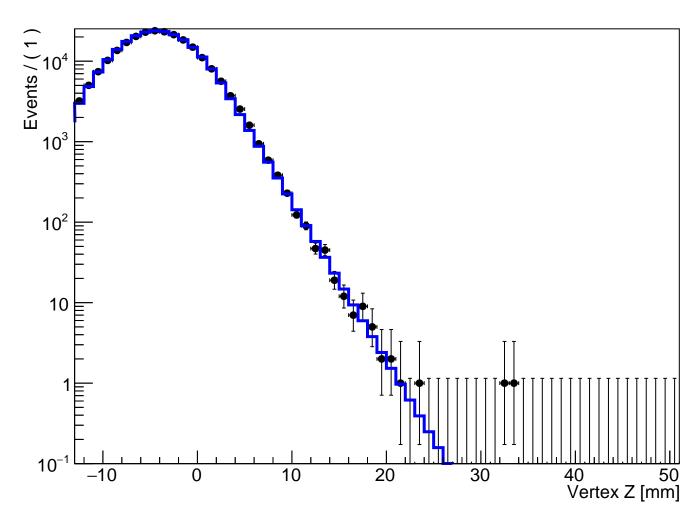


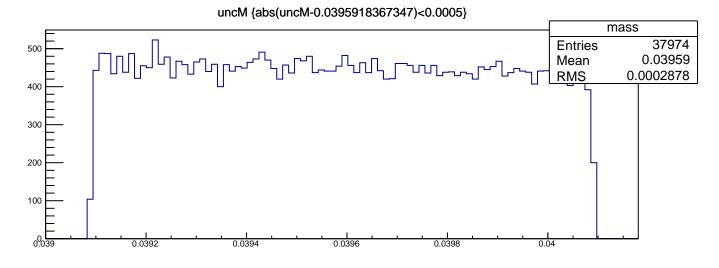


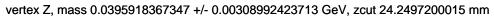


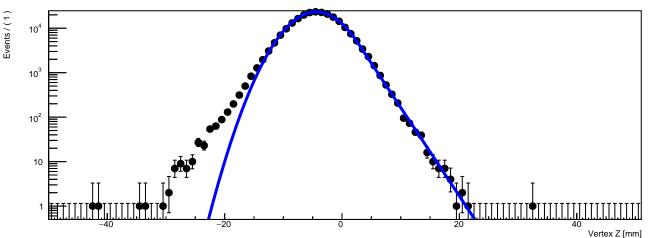




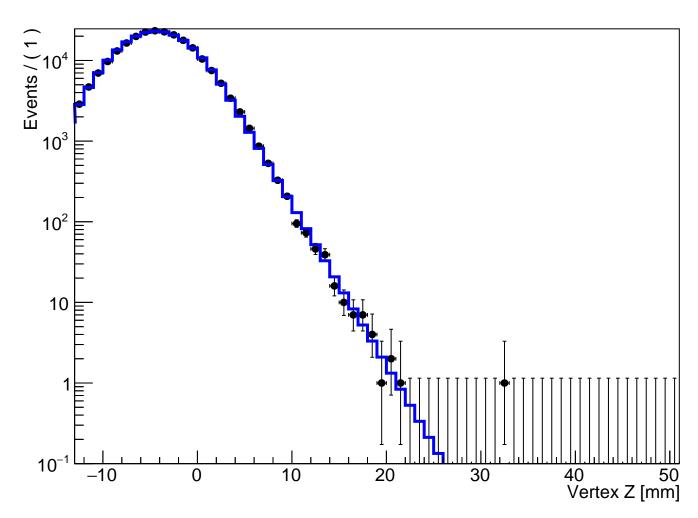


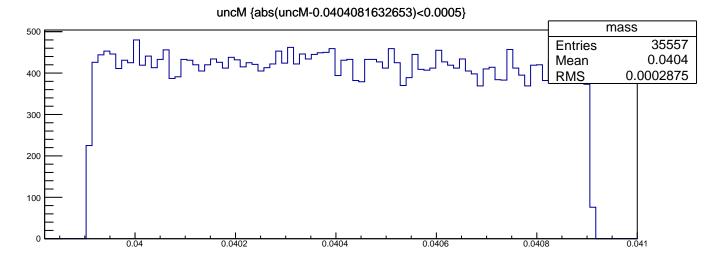


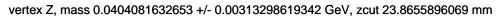


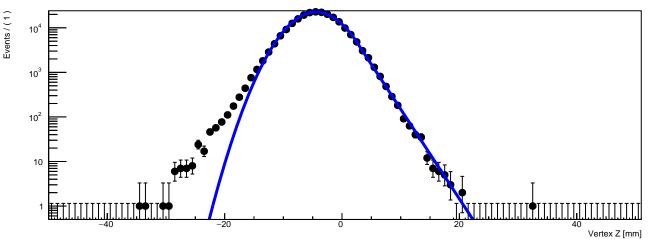


mass 0.0395918367347 candidates_rescaled **Entries** Mean 0.9794 **RMS** 0 8.0 0.6 0.4 0.2 0 0.8 0.9 1 background cdf 0.3 0.5 0.1 0.2 0.4 0.6 0.7









mass 0.0404081632653 candidates_rescaled **Entries** Mean 0.9834 **RMS** 0 8.0 0.6 0.4 0.2 0,

0.5

0.6

0.7

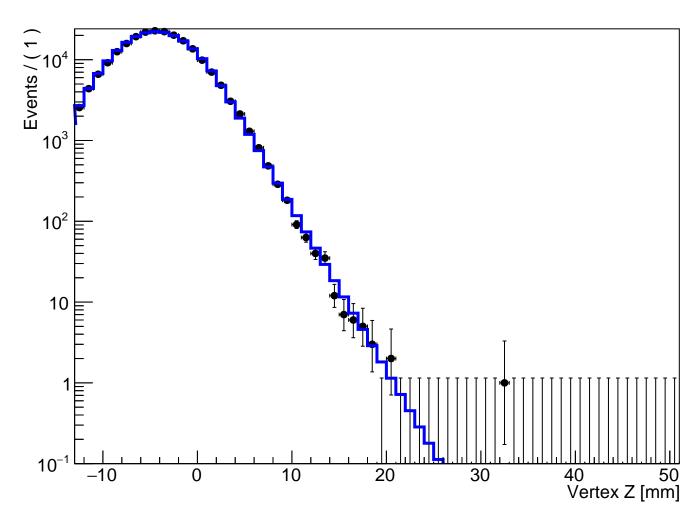
0.2

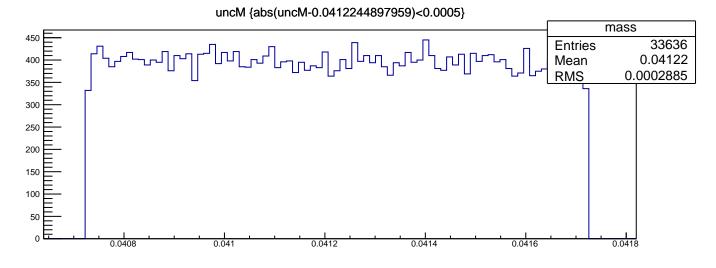
0.1

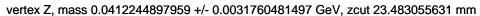
0.3

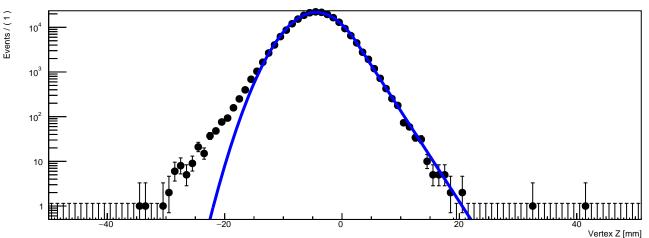
0.4

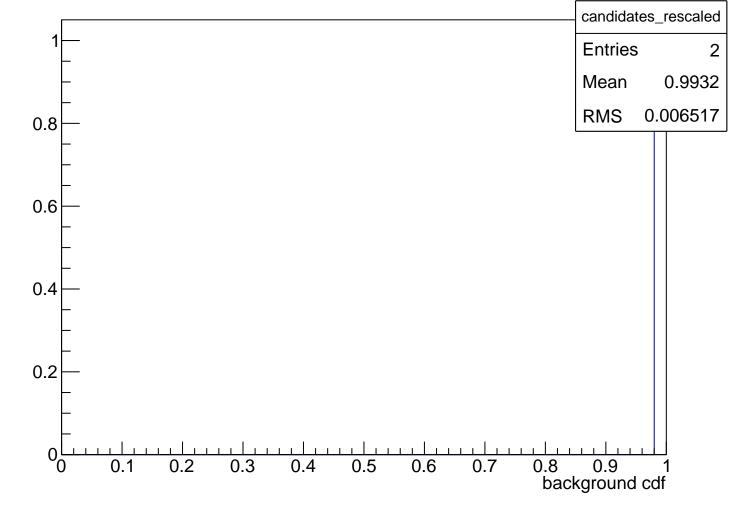
0.8 0.9 1 background cdf

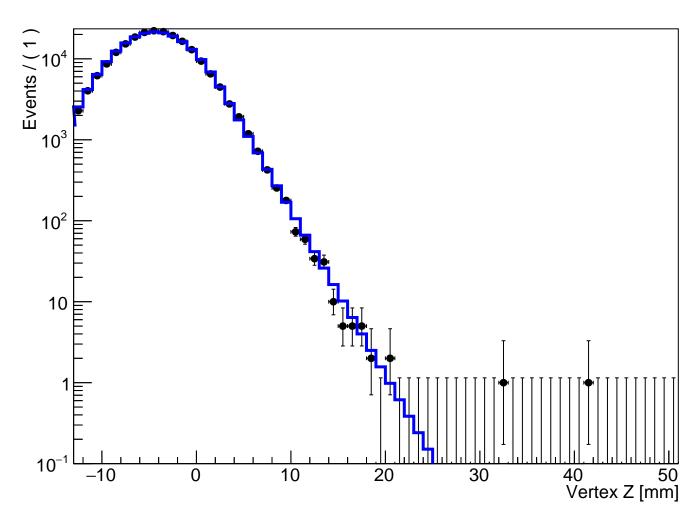


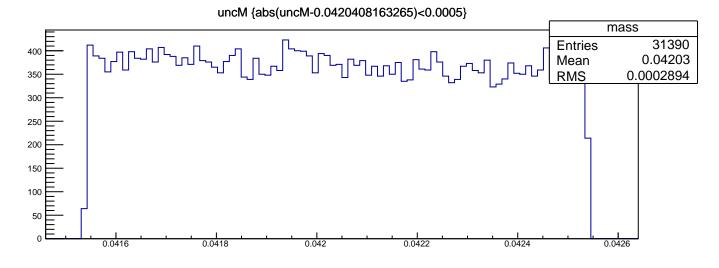


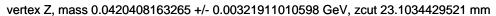


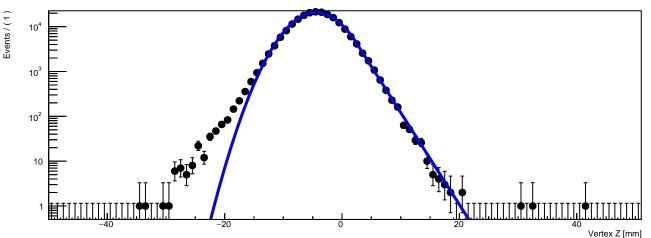


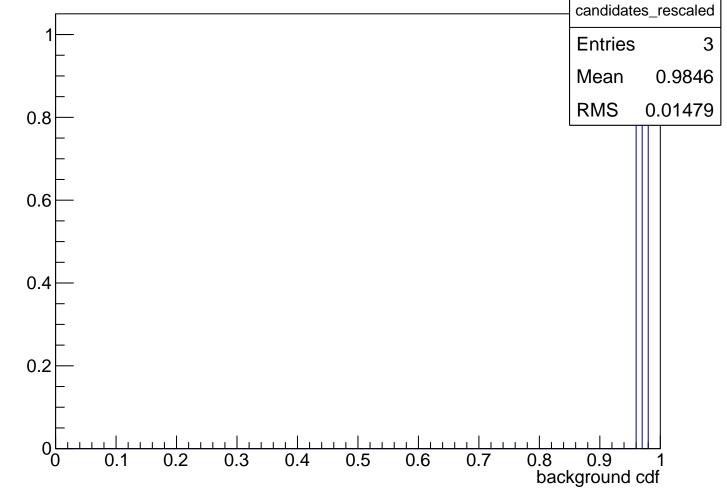


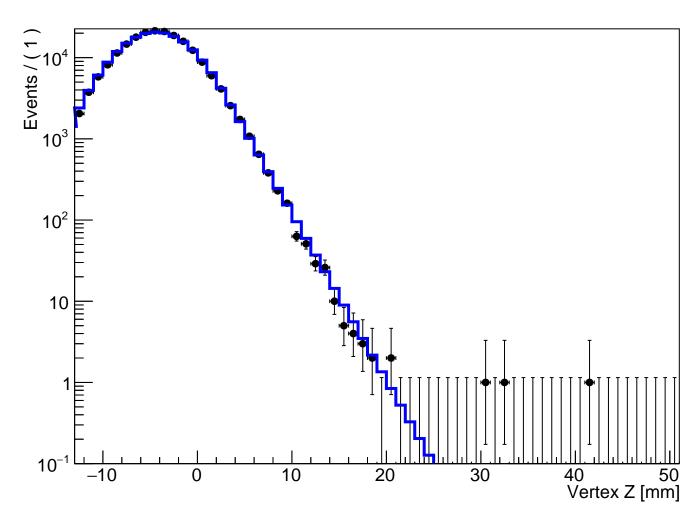


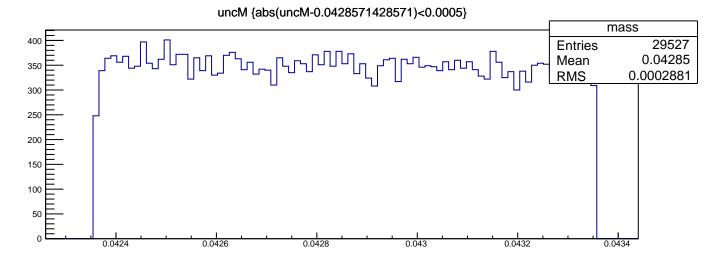


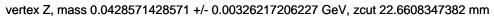


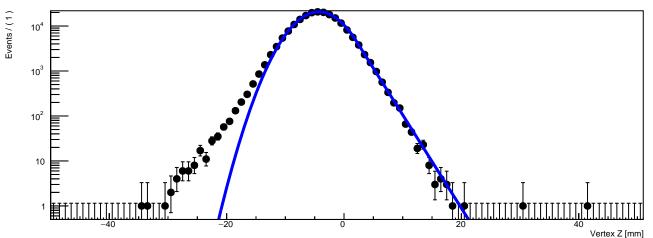


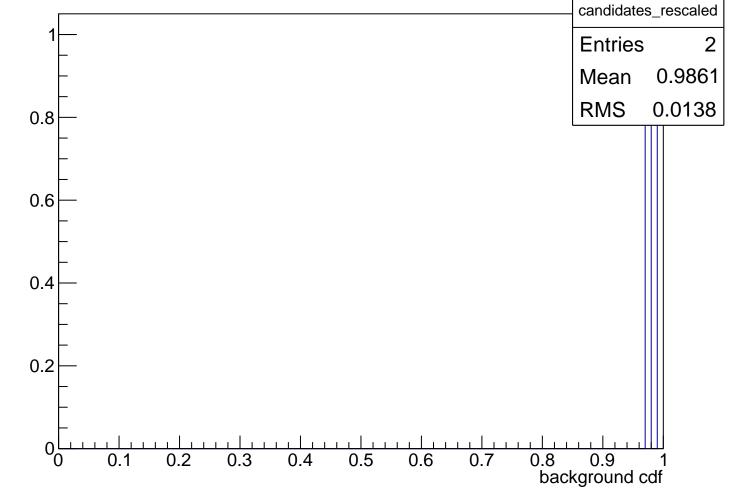


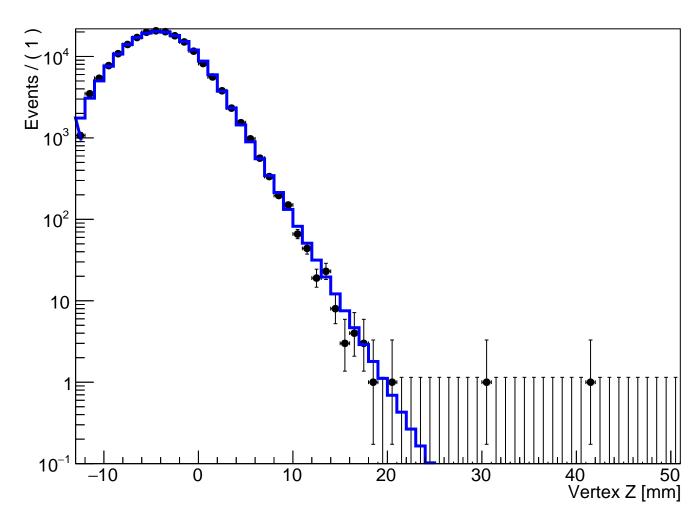


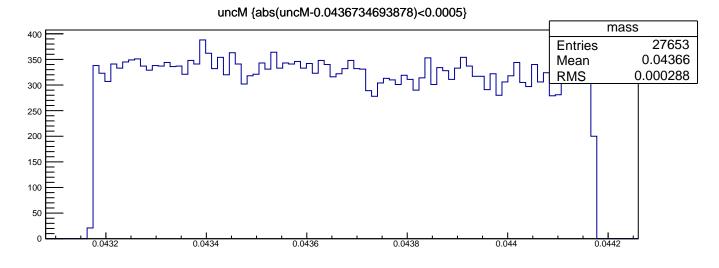


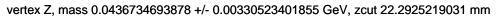


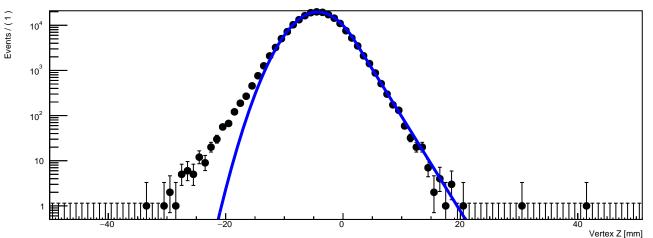


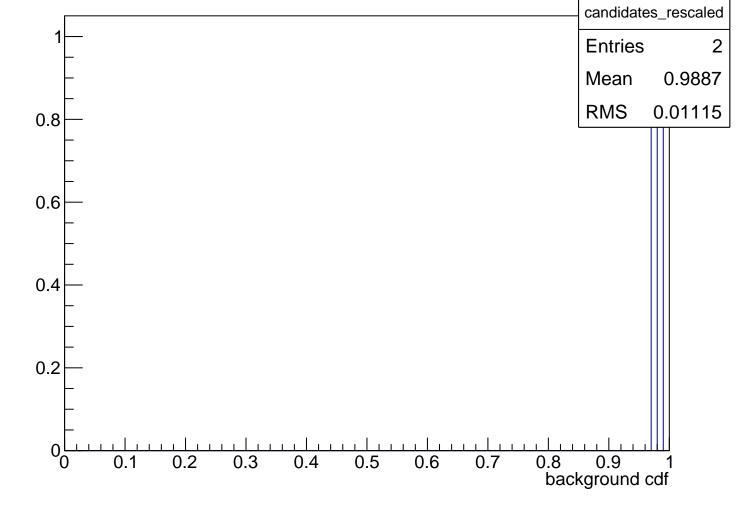


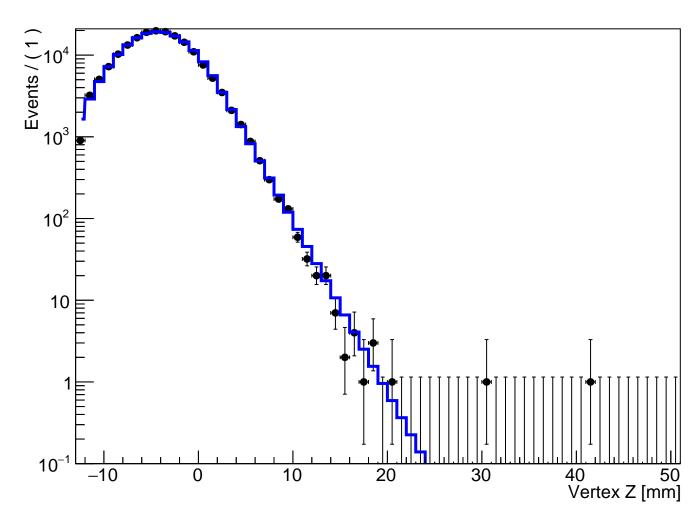


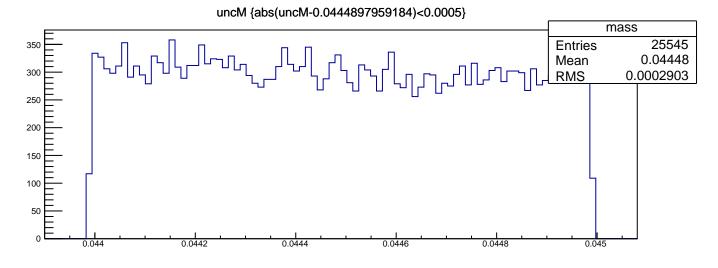




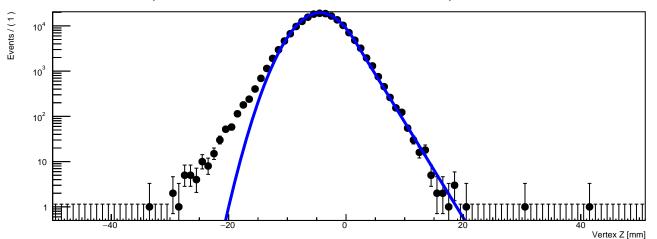


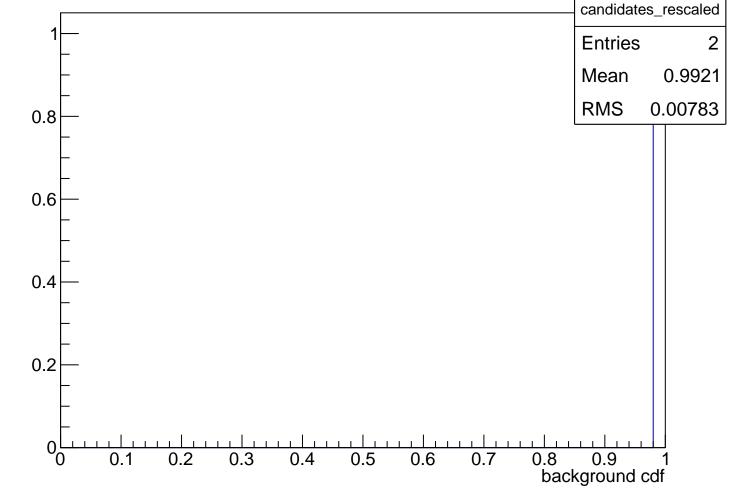


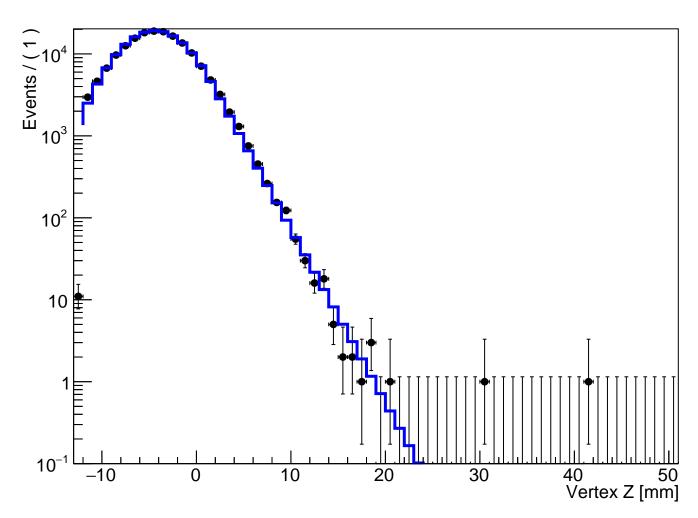


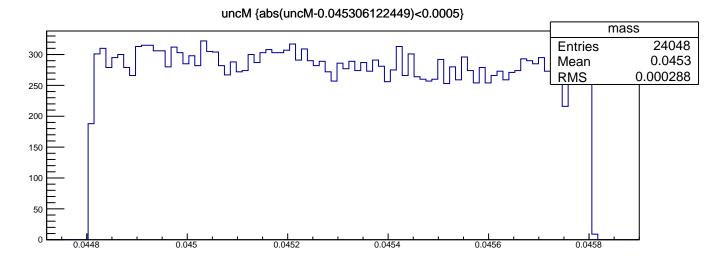


vertex Z, mass 0.0444897959184 +/- 0.00334829597484 GeV, zcut 21.6432354714 mm

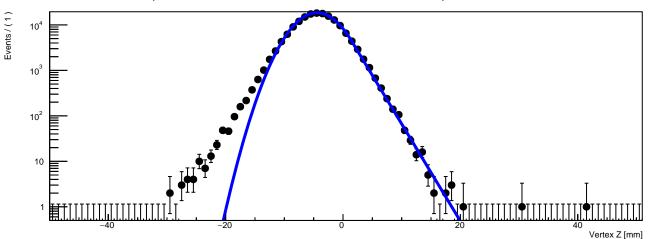


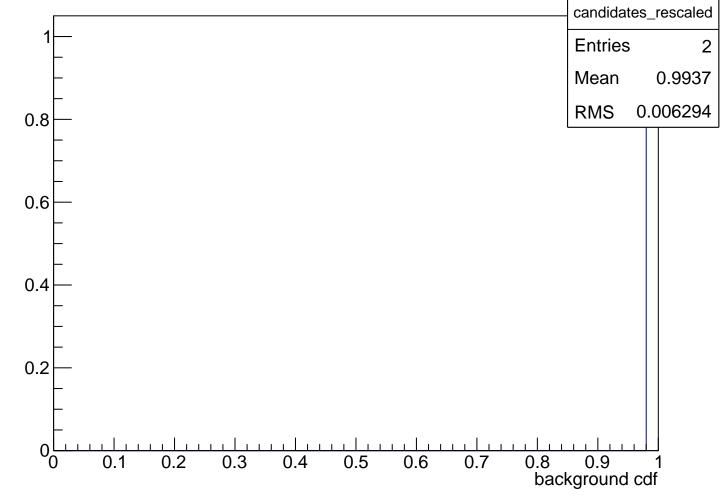


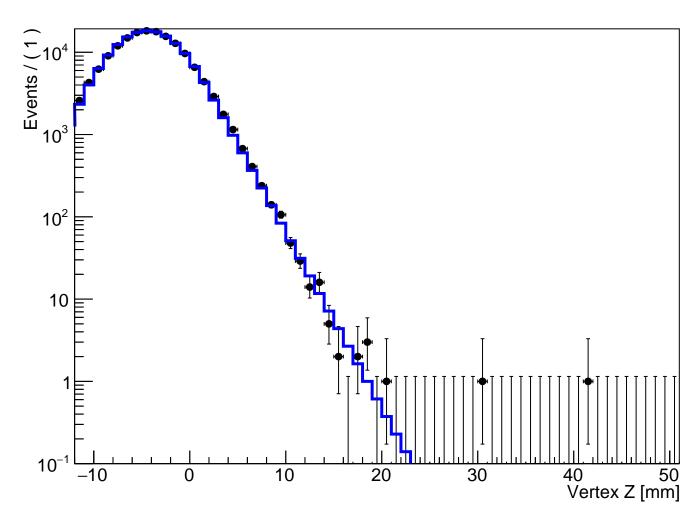


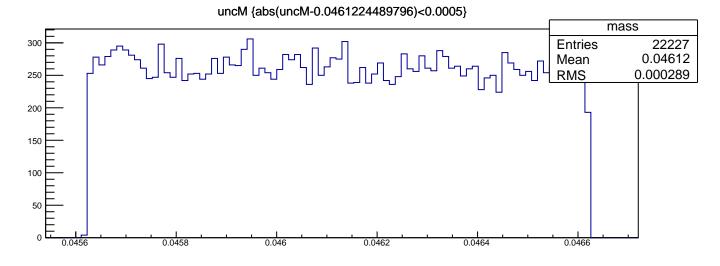


vertex Z, mass 0.045306122449 +/- 0.00339135793112 GeV, zcut 21.2803287908 mm

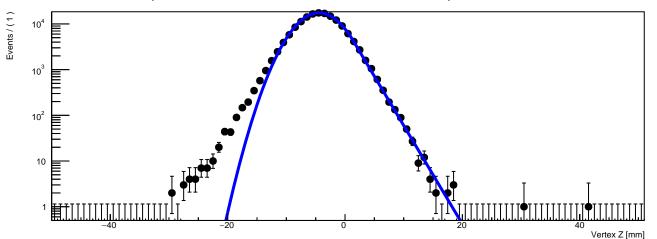


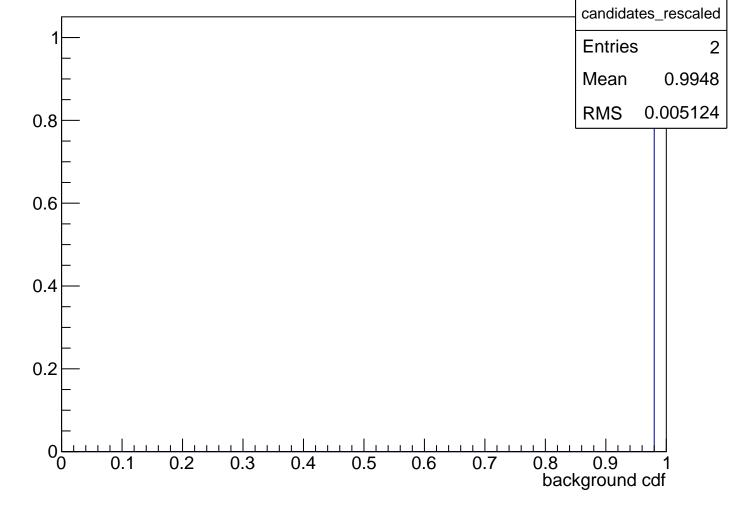


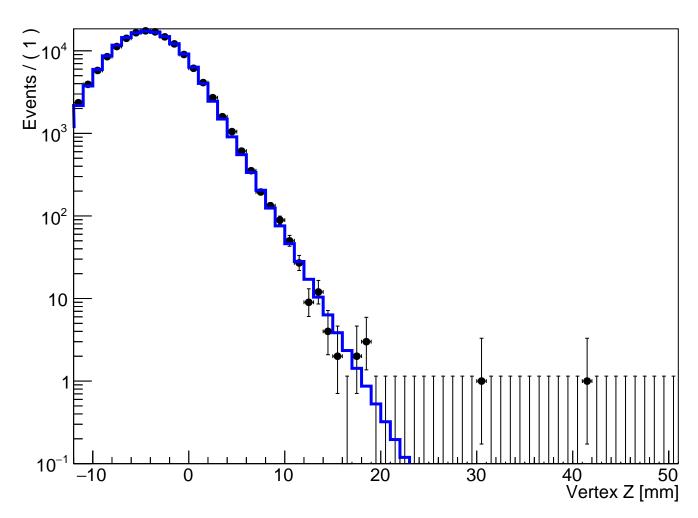


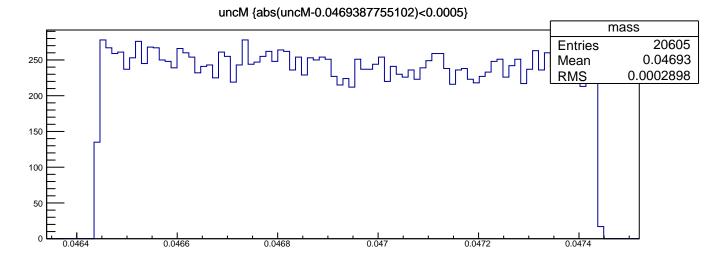


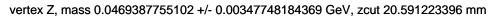
vertex Z, mass 0.0461224489796 +/- 0.00343441988741 GeV, zcut 20.9485557505 mm

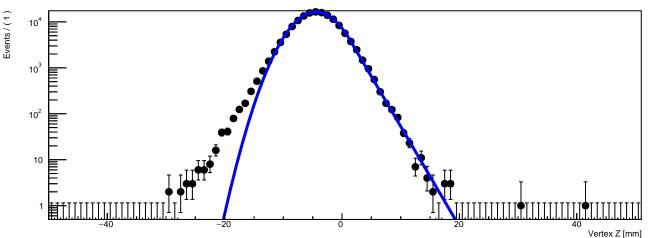


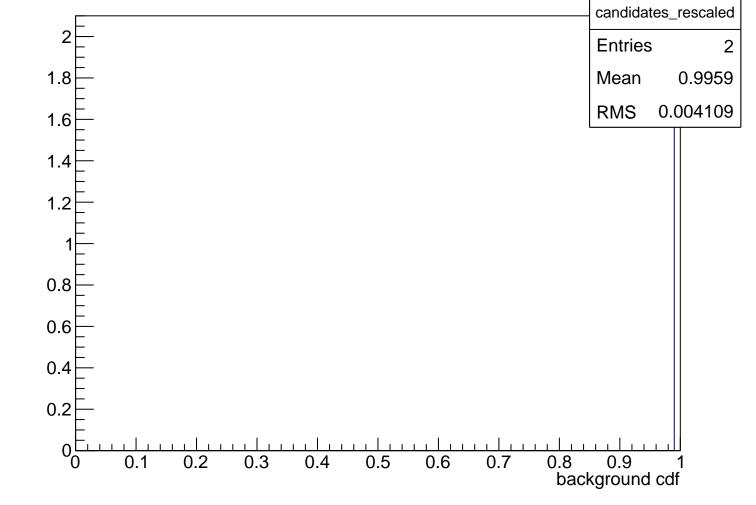


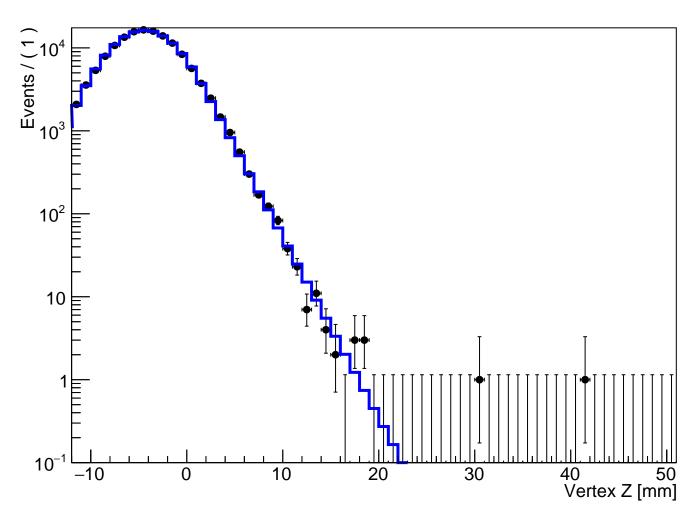


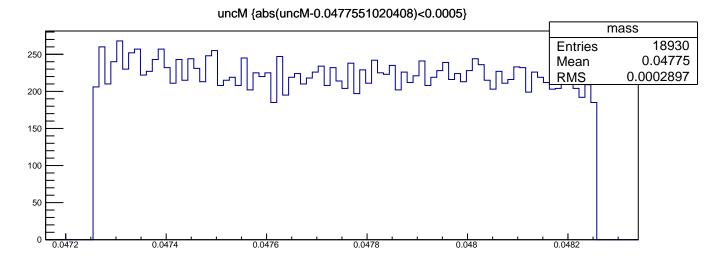


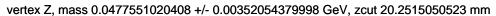


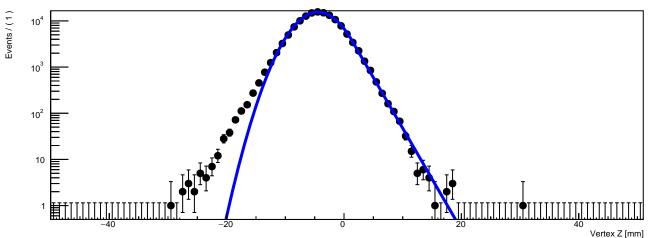




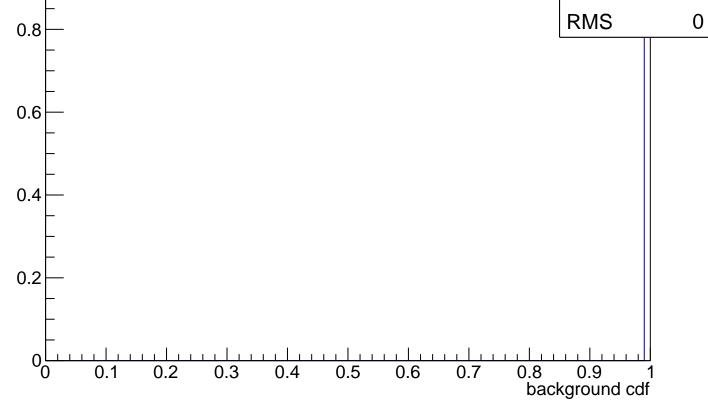


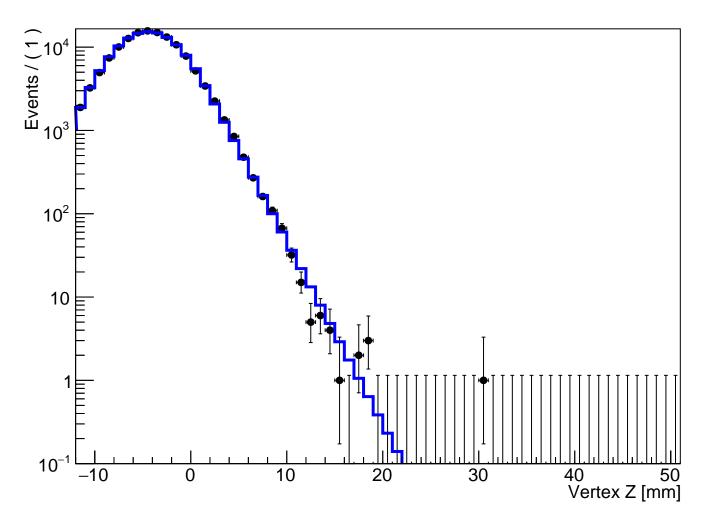


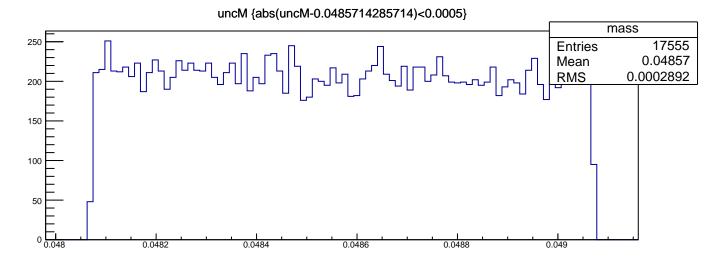




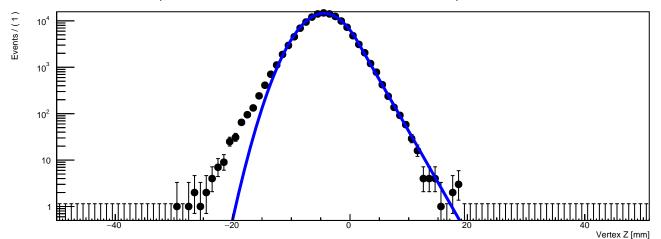
mass 0.0477551020408 candidates_rescaled **Entries** 0.9933 Mean **RMS** 0 8.0 0.6 0.4







vertex Z, mass 0.0485714285714 +/- 0.00356360575626 GeV, zcut 19.915025214 mm



mass 0.0485714285714 candidates_rescaled **Entries** 0 Mean **RMS** 0 8.0 0.6 0.4 0.2

0.5

0.6

0.7

0.8 0.9 1 background cdf

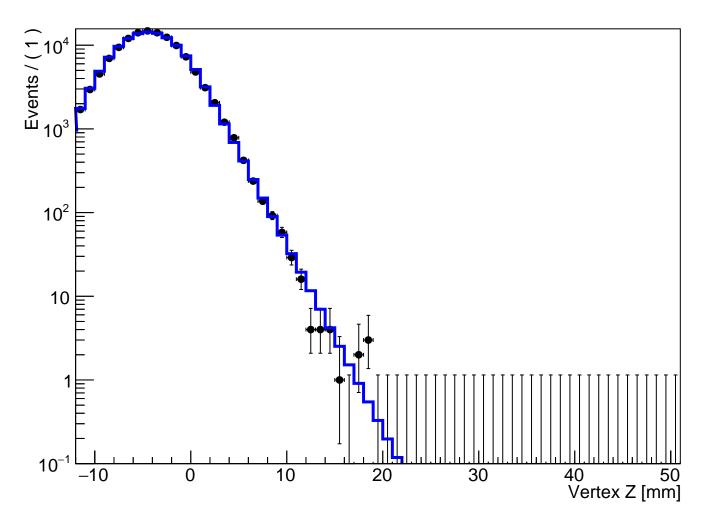
0,

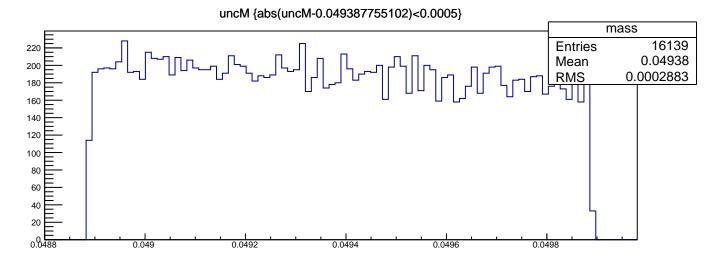
0.2

0.1

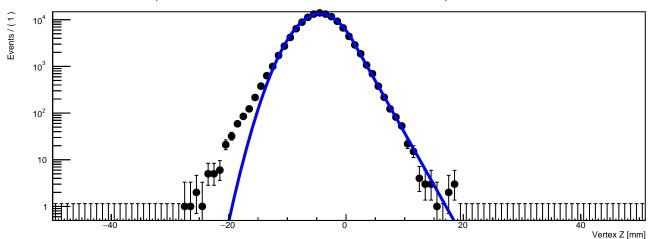
0.3

0.4

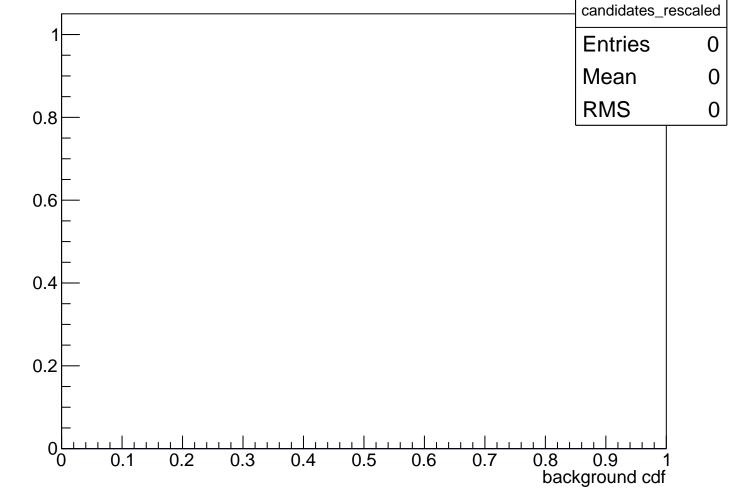


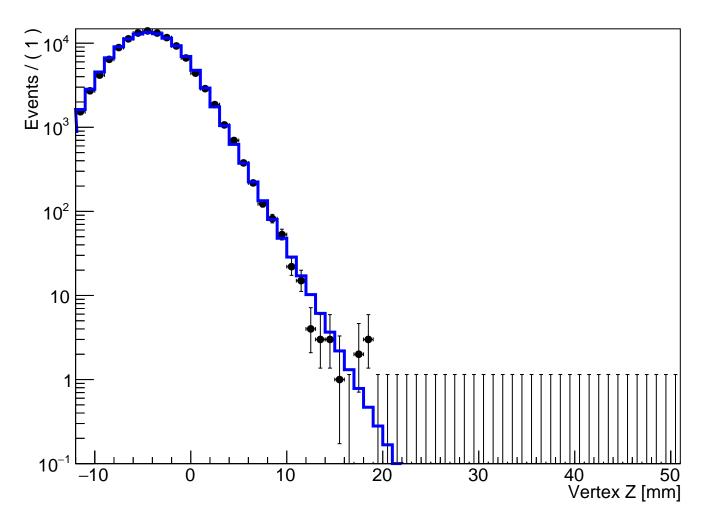


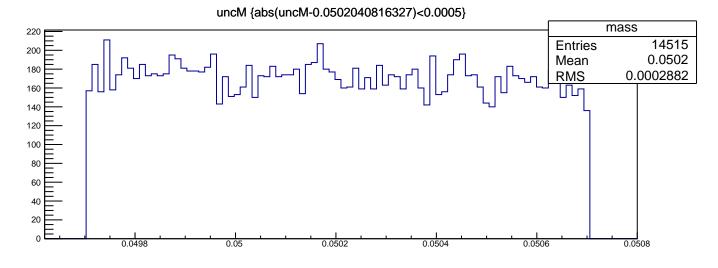
vertex Z, mass 0.049387755102 +/- 0.00360666771254 GeV, zcut 19.5843987662 mm

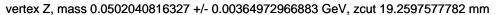


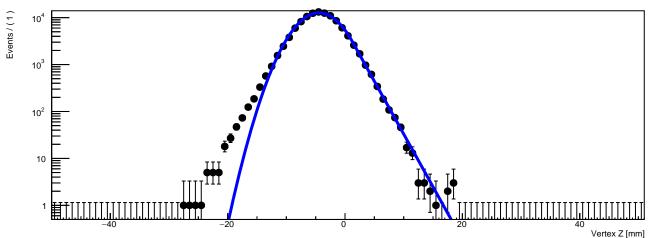
mass 0.049387755102



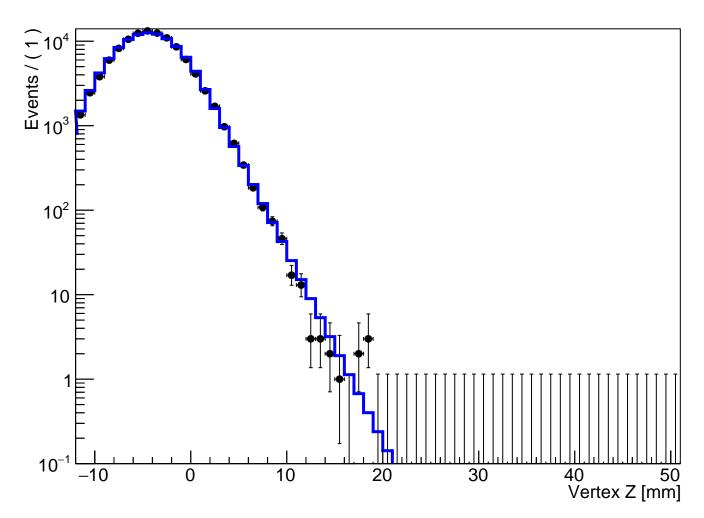


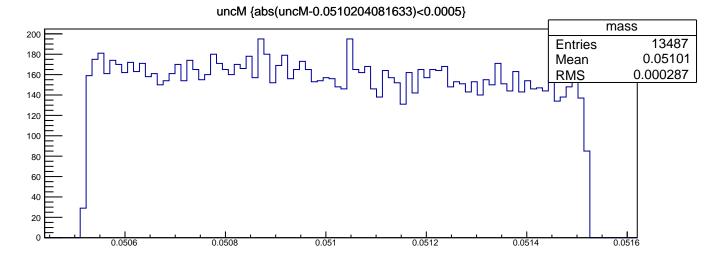


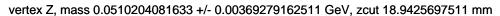


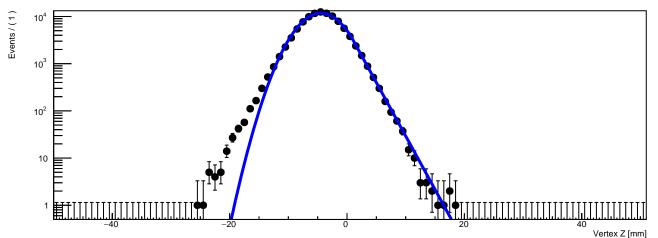


mass 0.0502040816327 candidates_rescaled **Entries** 0 Mean **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.2 0.3 0.5 0.1 0.4 0.6 0.7

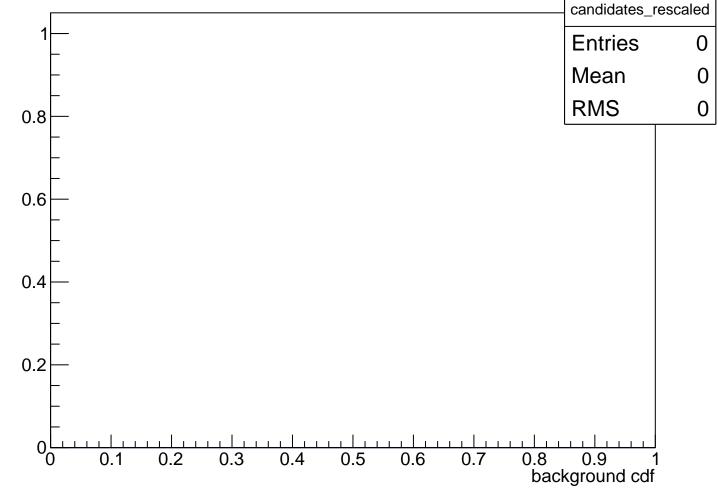


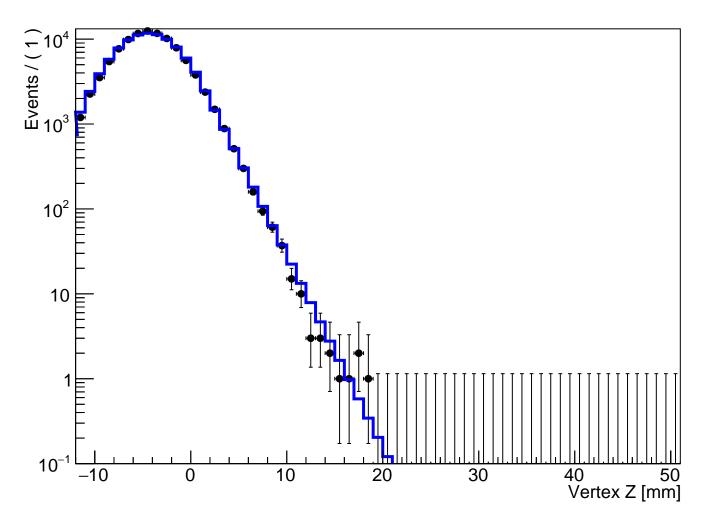


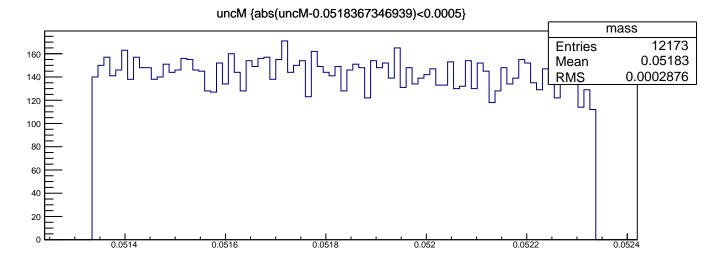




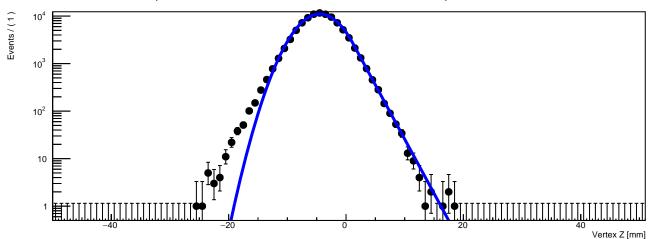
mass 0.0510204081633



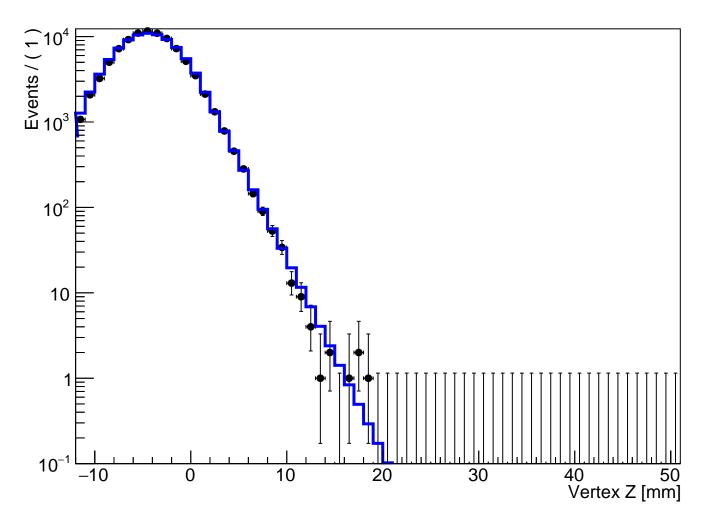


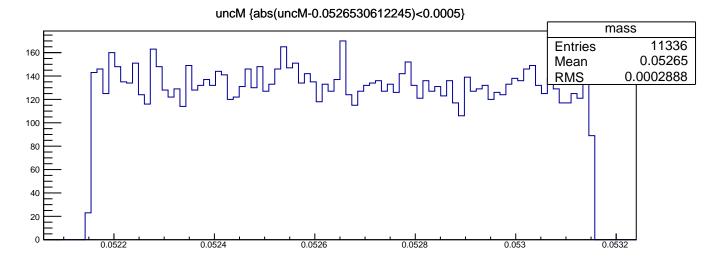


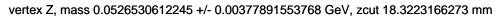
vertex Z, mass 0.0518367346939 +/- 0.0037358535814 GeV, zcut 18.6169558651 mm

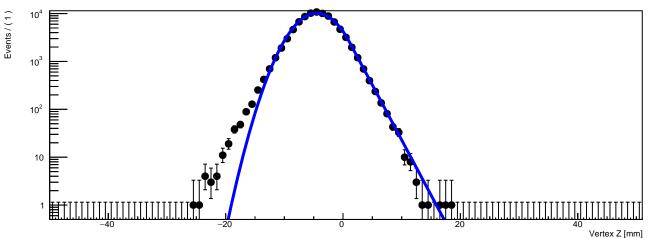


mass 0.0518367346939 candidates_rescaled **Entries** 0.1562 Mean **RMS** 0 8.0 0.6 0.4 0.2 0 0.8 0.9 1 background cdf 0.2 0.3 0.5 0.1 0.4 0.6 0.7

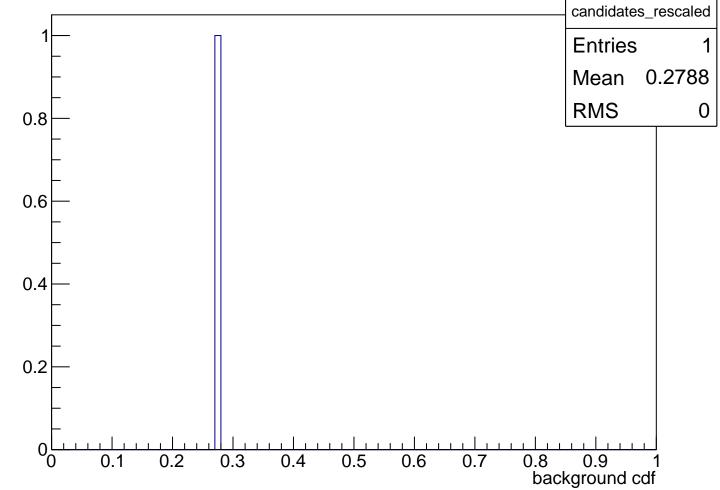


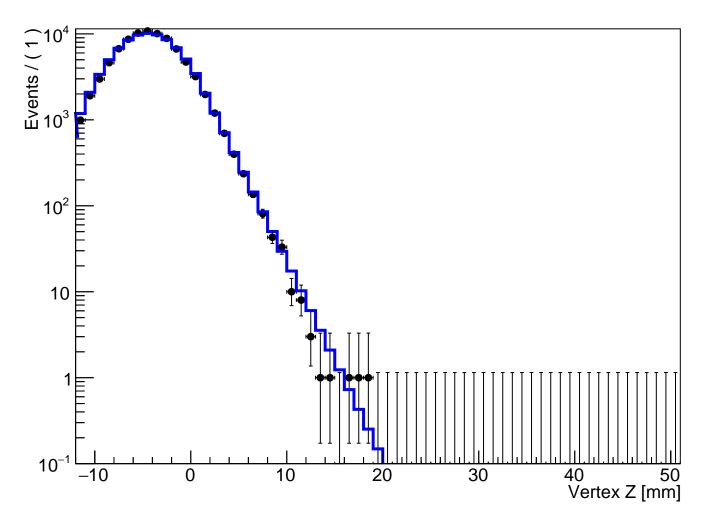


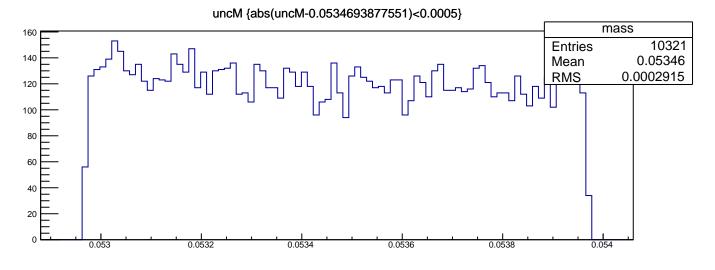


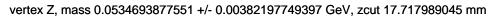


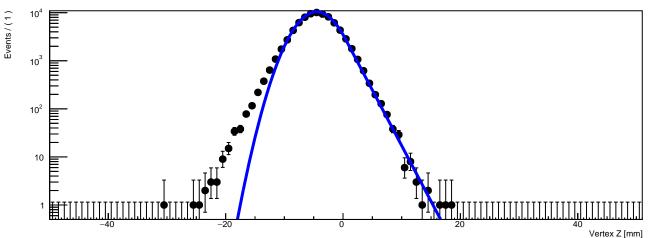
mass 0.0526530612245



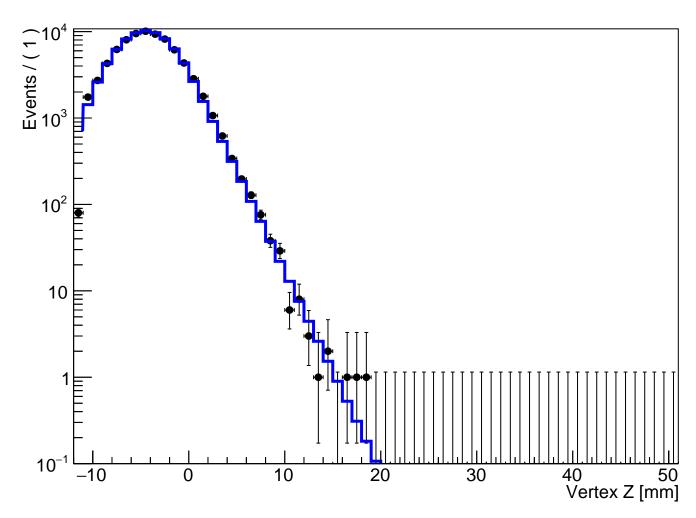


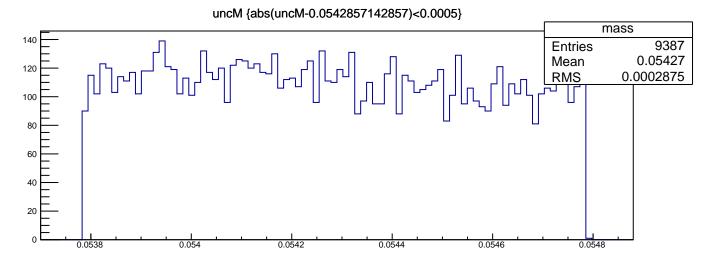


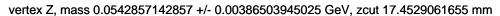


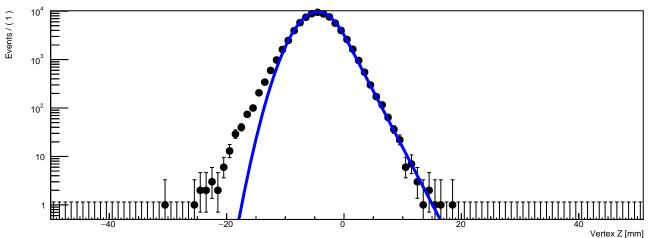


mass 0.0534693877551 candidates_rescaled **Entries** 0.4784 Mean **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.2 0.3 0.5 8.0 0.1 0.4 0.6 0.7

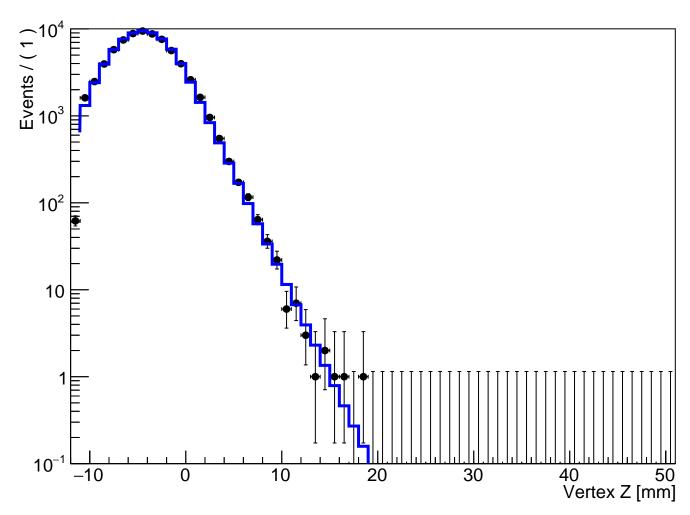


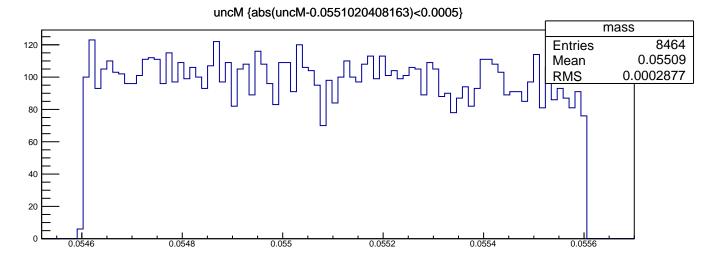




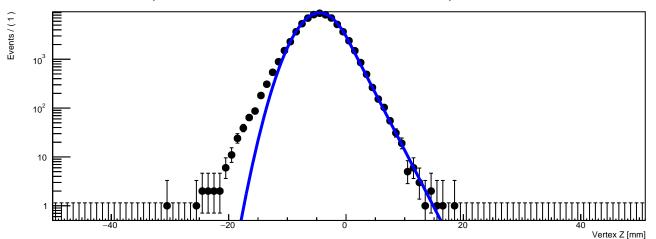


mass 0.0542857142857 candidates_rescaled **Entries** Mean 0.5491 **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.2 0.3 0.5 8.0 0.1 0.4 0.6 0.7

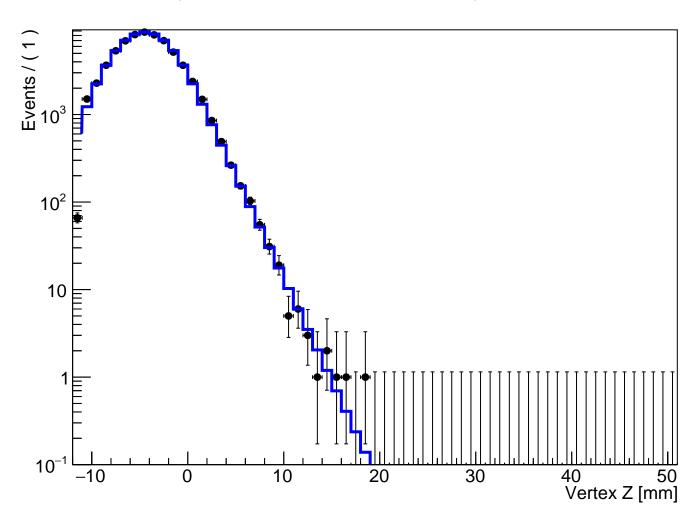


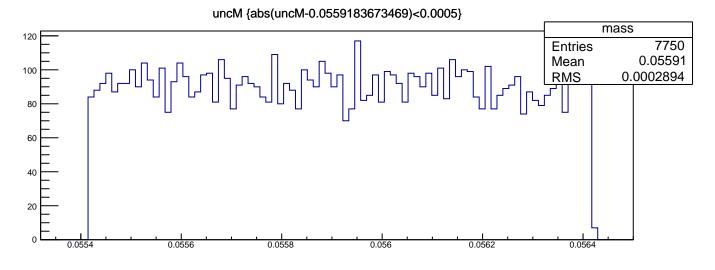


vertex Z, mass 0.0551020408163 +/- 0.00390810140654 GeV, zcut 17.1970561417 mm

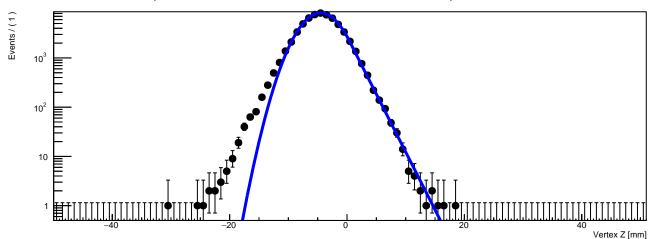


mass 0.0551020408163 candidates_rescaled **Entries** 0.6088 Mean **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.3 0.5 0.6 0.1 0.2 0.4 0.7

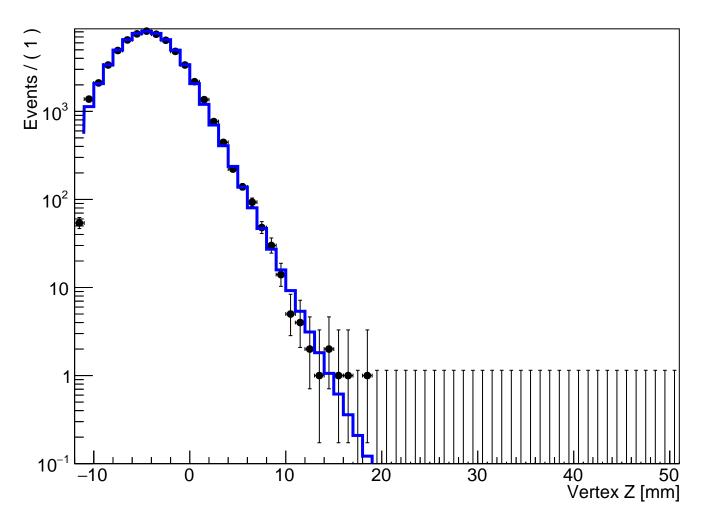


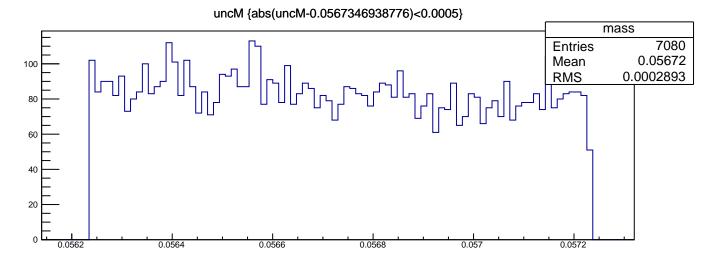


vertex Z, mass 0.0559183673469 +/- 0.00395116336282 GeV, zcut 16.9533103428 mm

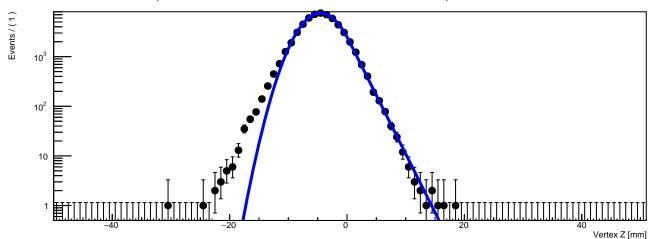


mass 0.0559183673469 candidates_rescaled **Entries** Mean 0.6587 **RMS** 0 8.0 0.6 0.4 0.2 0 0.8 0.9 1 background cdf 0.3 0.5 0.1 0.2 0.4 0.6 0.7

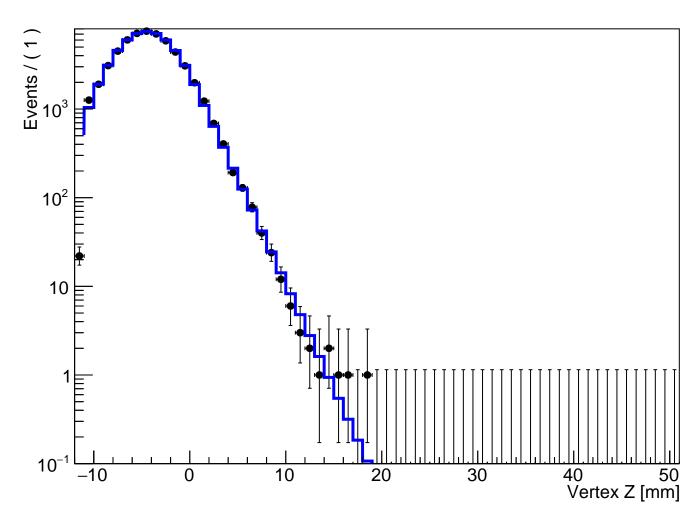


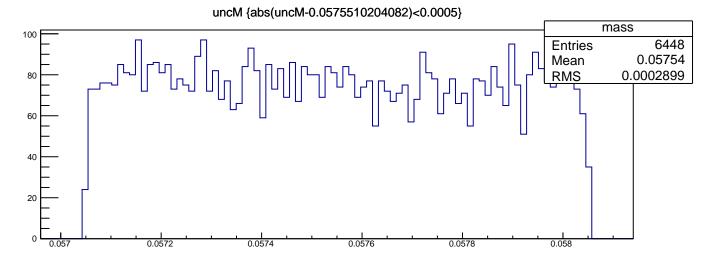


vertex Z, mass 0.0567346938776 +/- 0.0039942253191 GeV, zcut 16.7121577868 mm

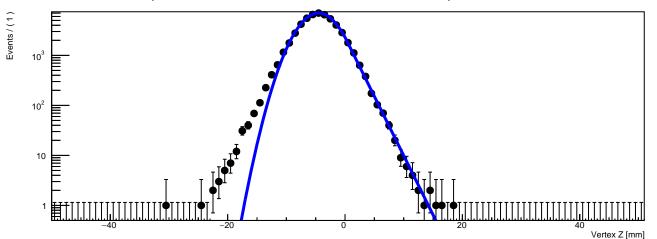


mass 0.0567346938776 candidates_rescaled **Entries** 0.7019 Mean **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.3 0.5 0.1 0.2 0.4 0.6 0.7

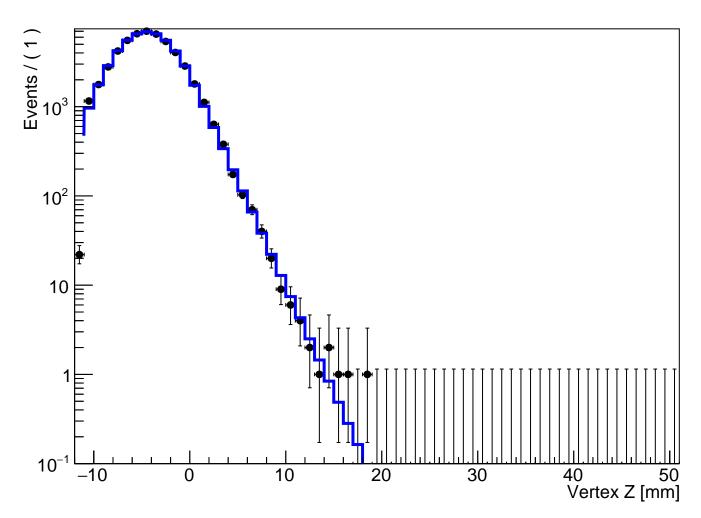


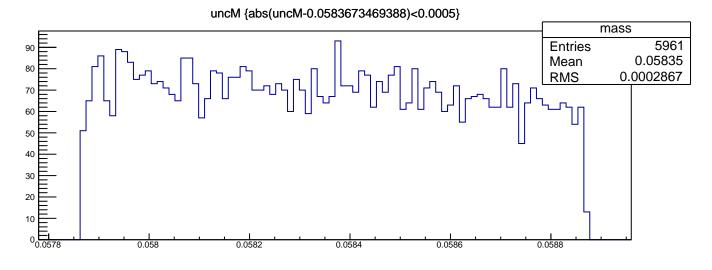


vertex Z, mass 0.0575510204082 +/- 0.00403728727539 GeV, zcut 16.4915332819 mm

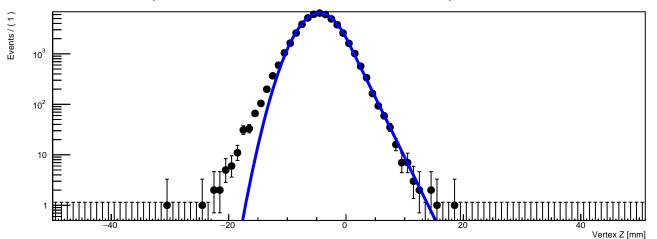


mass 0.0575510204082 candidates_rescaled **Entries** 0.7369 Mean **RMS** 0 8.0 0.6 0.4 0.2 0, 0.8 0.9 1 background cdf 0.3 0.5 0.7 0.1 0.2 0.4 0.6





vertex Z, mass 0.0583673469388 +/- 0.00408034923167 GeV, zcut 16.2652040338 mm



mass 0.0583673469388 candidates_rescaled **Entries** 0.7684 Mean **RMS** 0 8.0 0.6 0.4 0.2 0

0.5

0.6

0.3

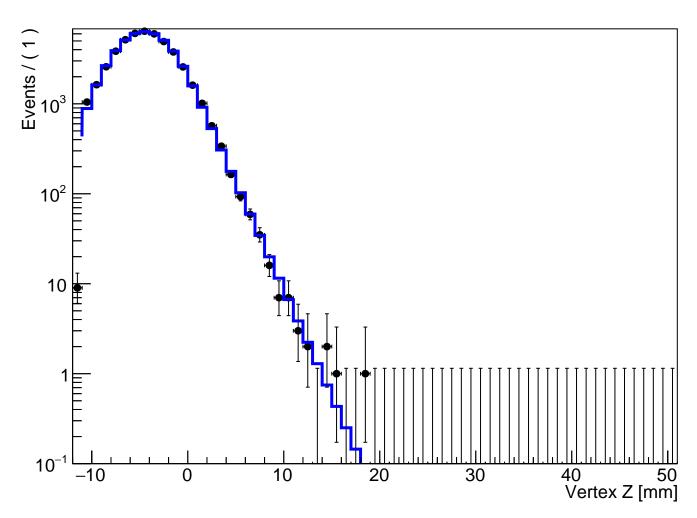
0.4

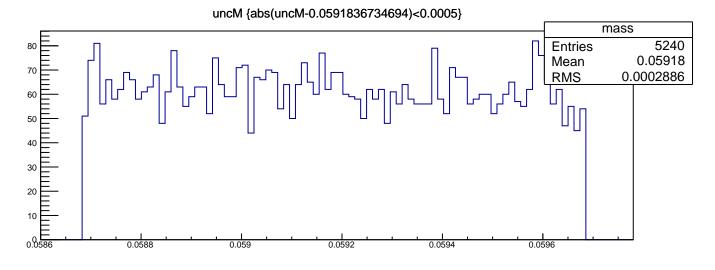
0.1

0.2

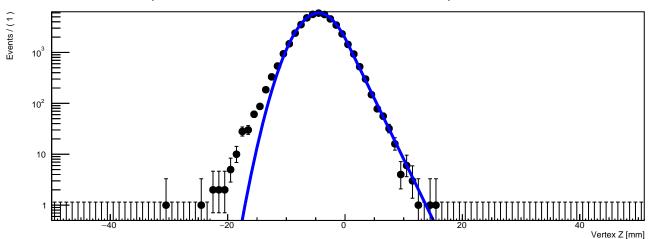
0.8 0.9 1 background cdf

0.7

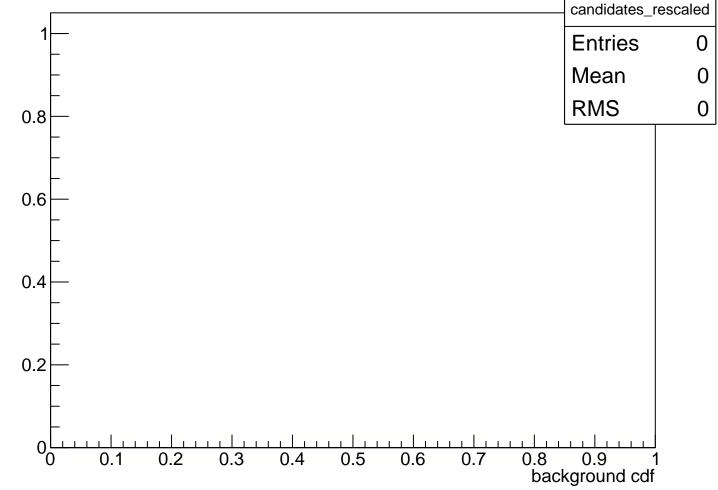


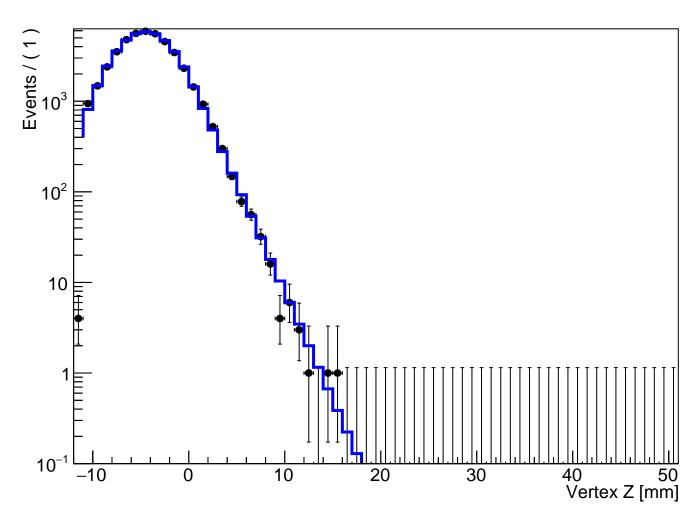


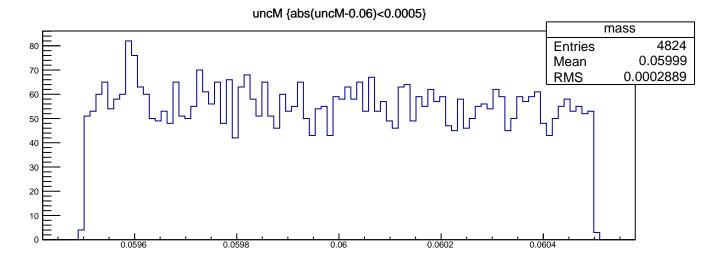
vertex Z, mass 0.0591836734694 +/- 0.00412341118796 GeV, zcut 16.0516978607 mm

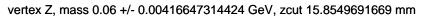


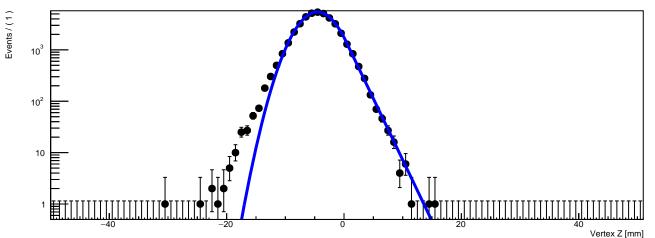
mass 0.0591836734694











mass 0.06 candidates_rescaled **Entries** 0.001992 Mean **RMS** 0 8.0 0.6 0.4 0.2 0 r 0.8 0.9 1 background cdf 0.2 0.3 0.5 0.6 0.7 0.1 0.4

