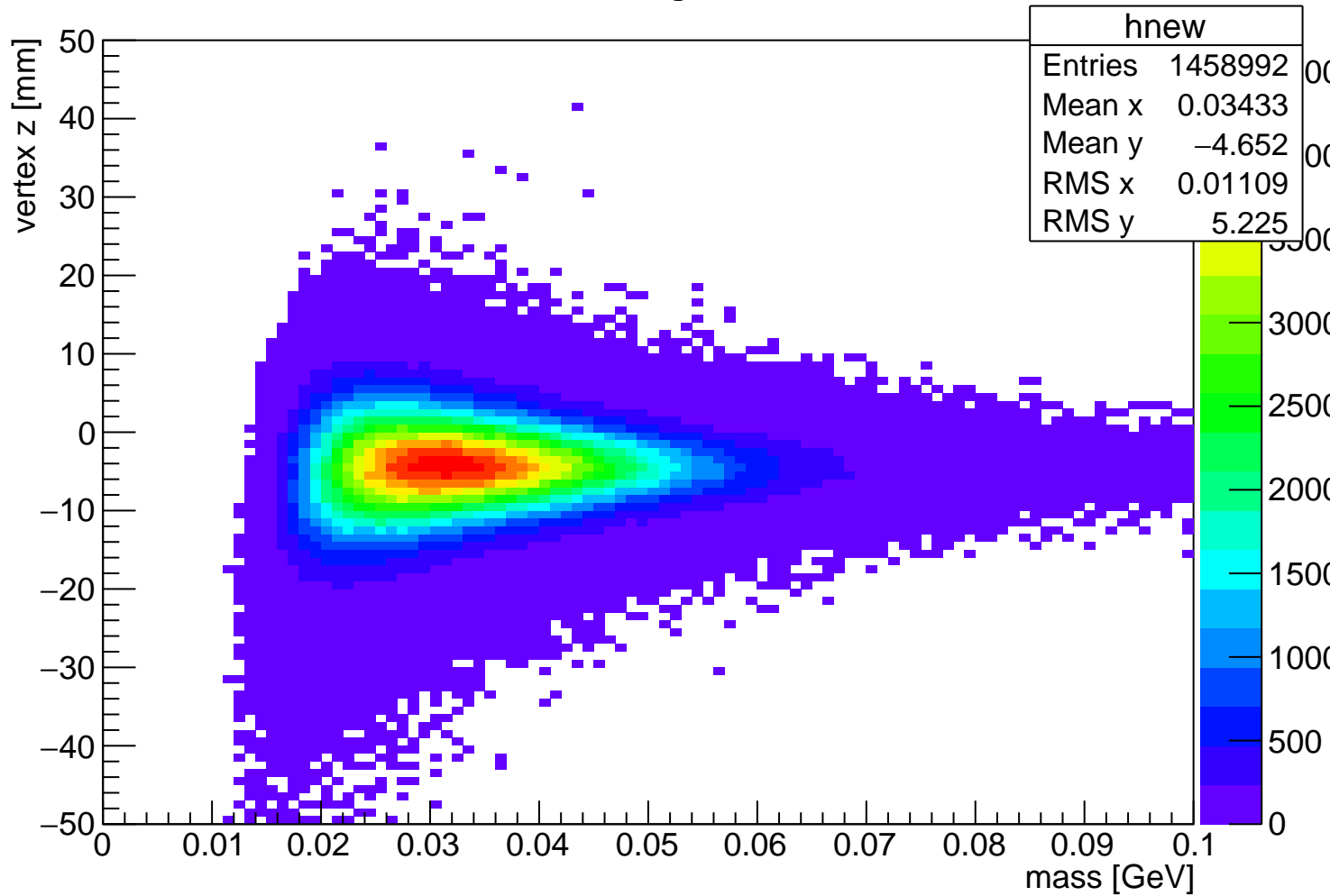
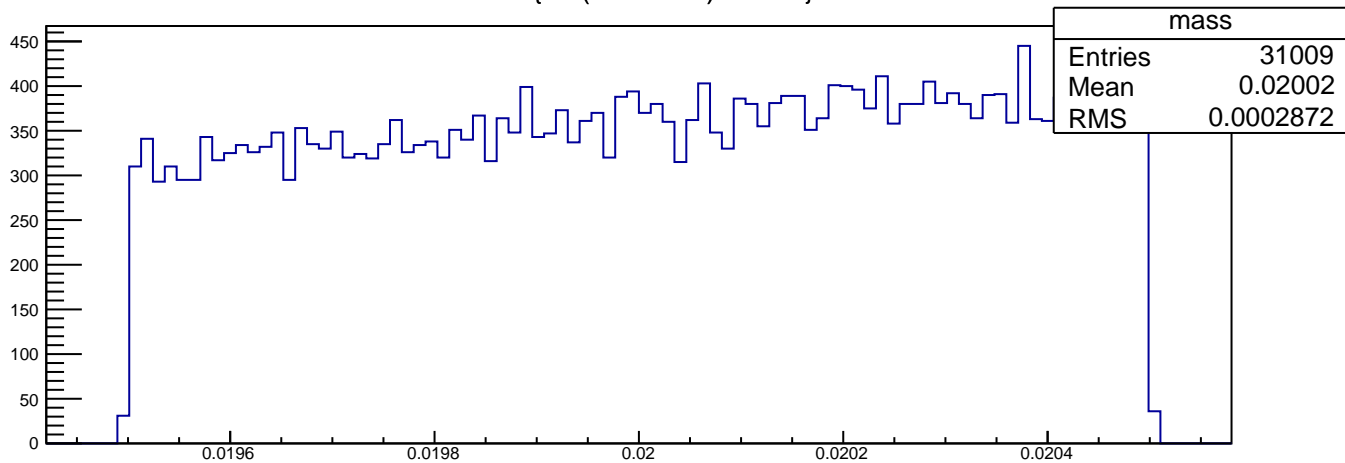


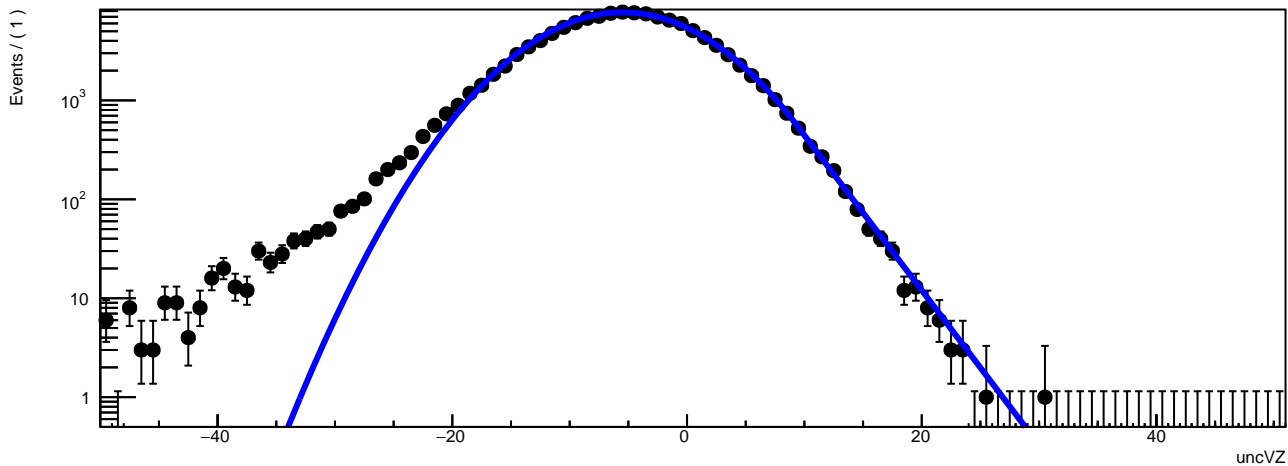
vertexing data



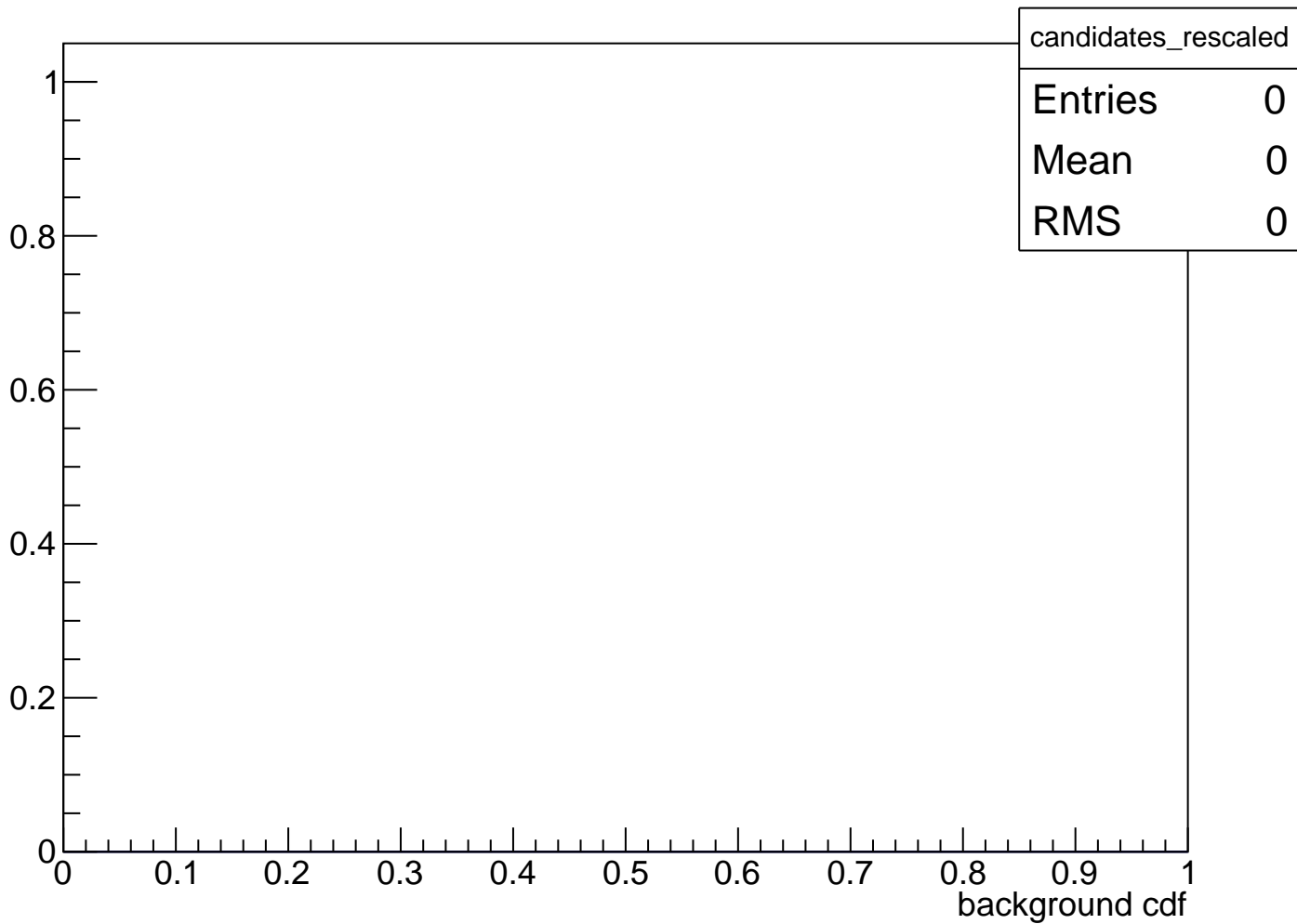
uncM {abs(uncM-0.02)<0.0005}



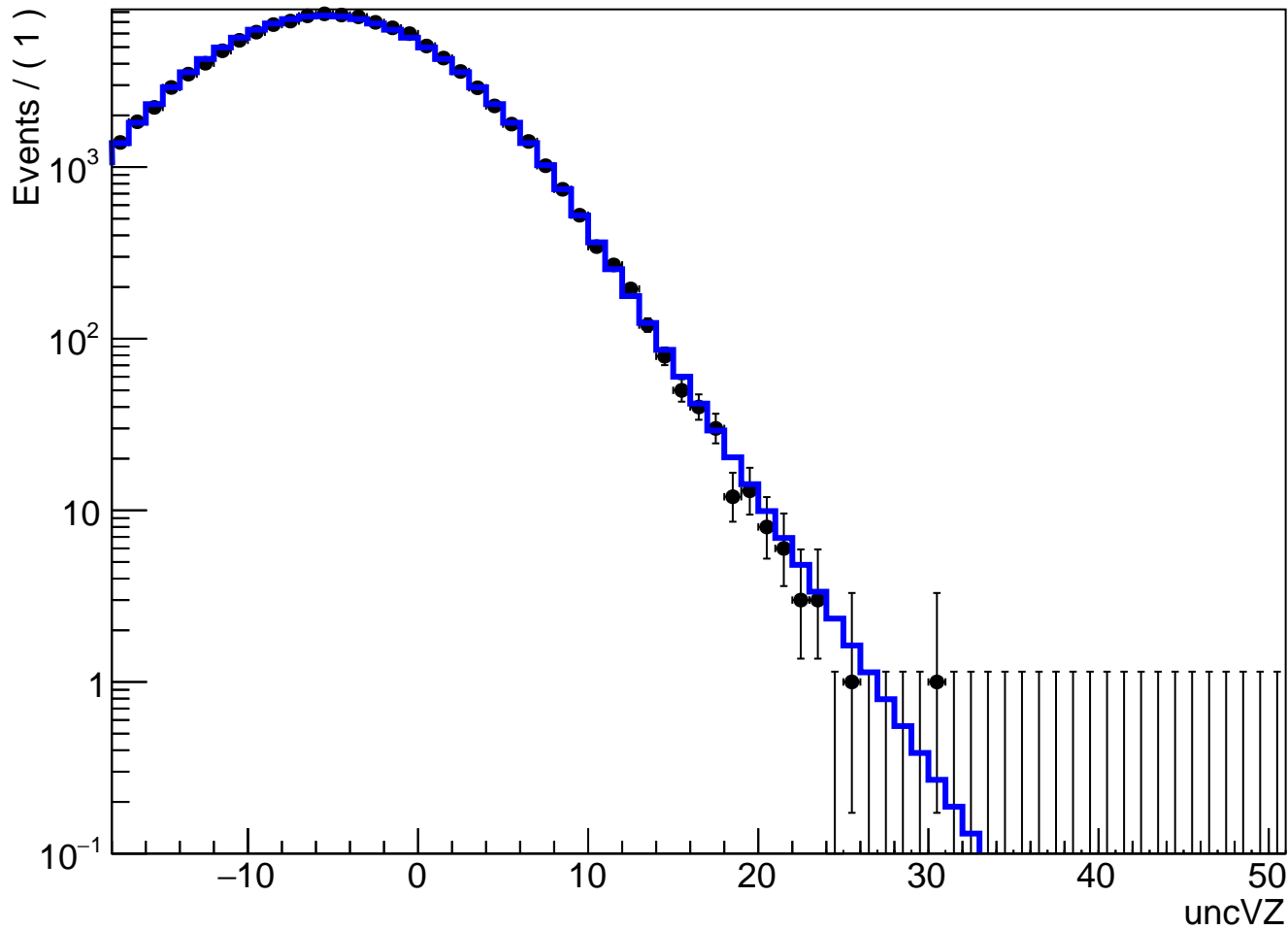
vertex Z, mass 0.02 +/- 0.0020564372863 GeV, zcut 31.5614691203 mm



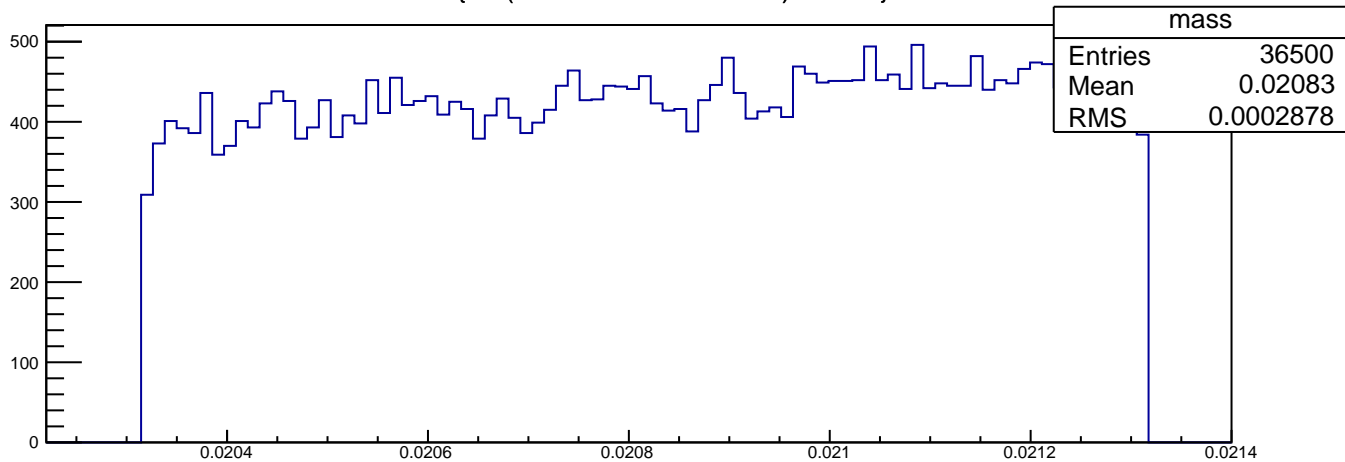
mass 0.02



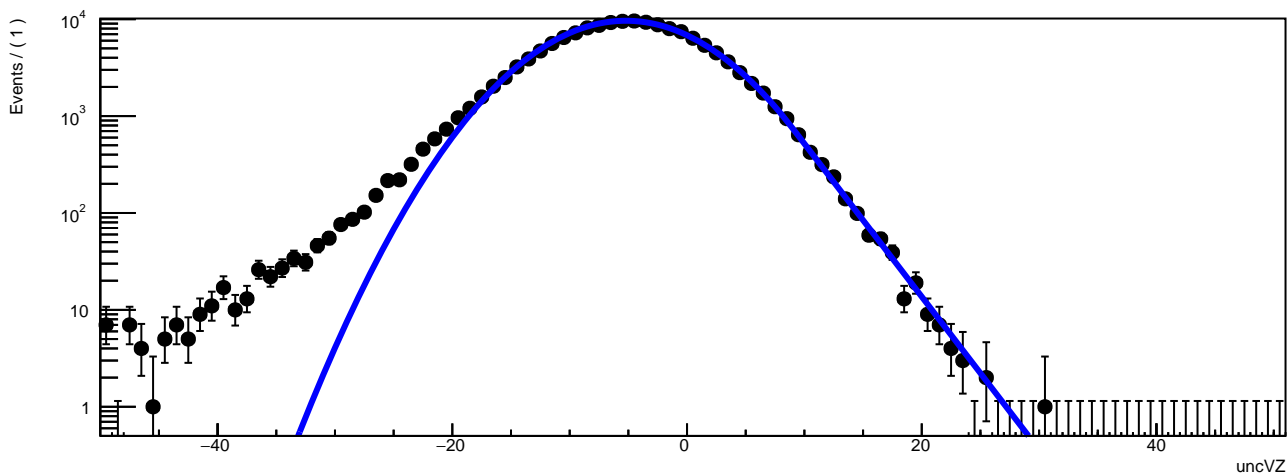
vertex Z, mass 0.02 ± 0.0020564372863 GeV, zcut 31.5614691203 mm



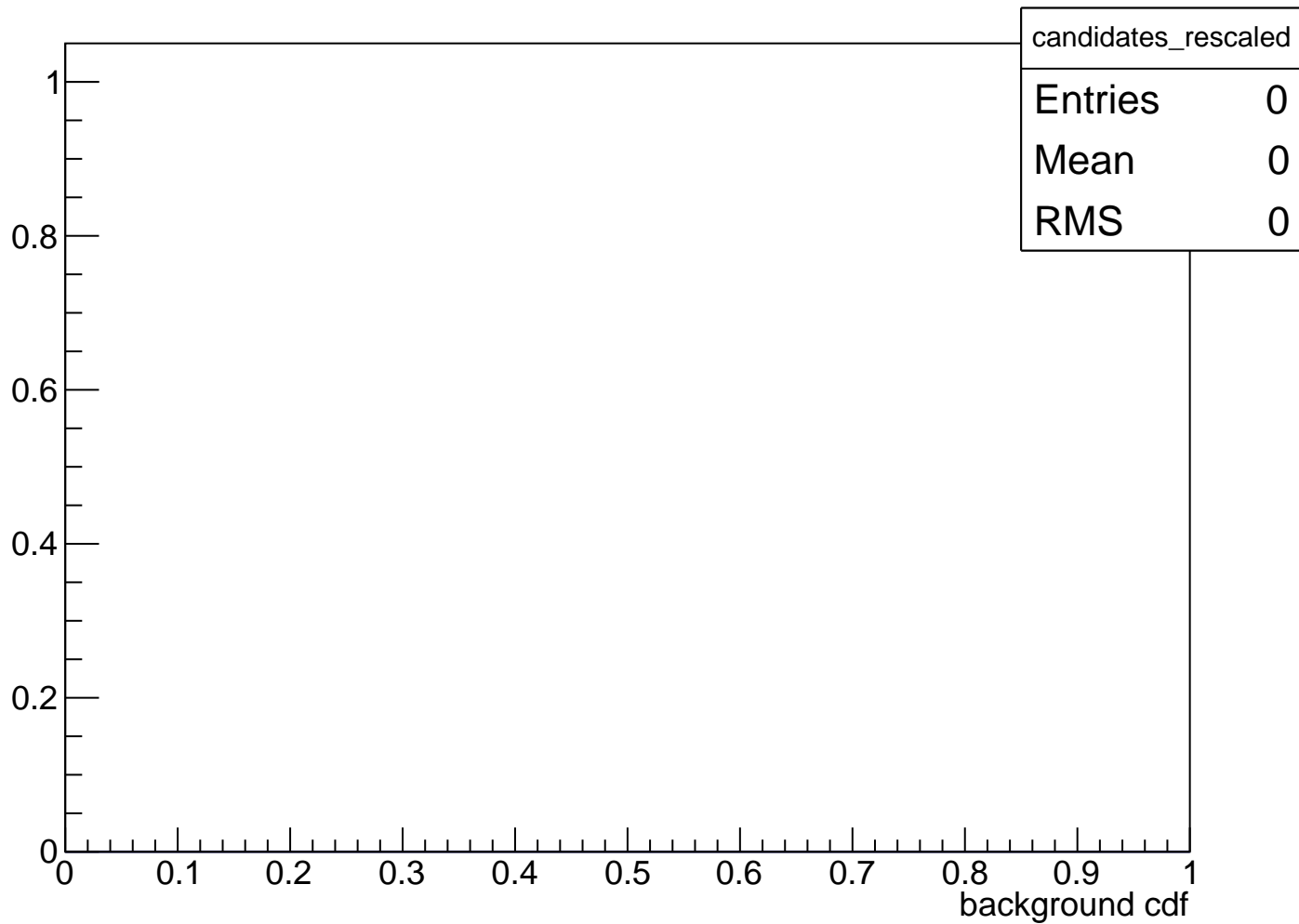
uncM {abs(uncM-0.0208163265306)<0.0005}



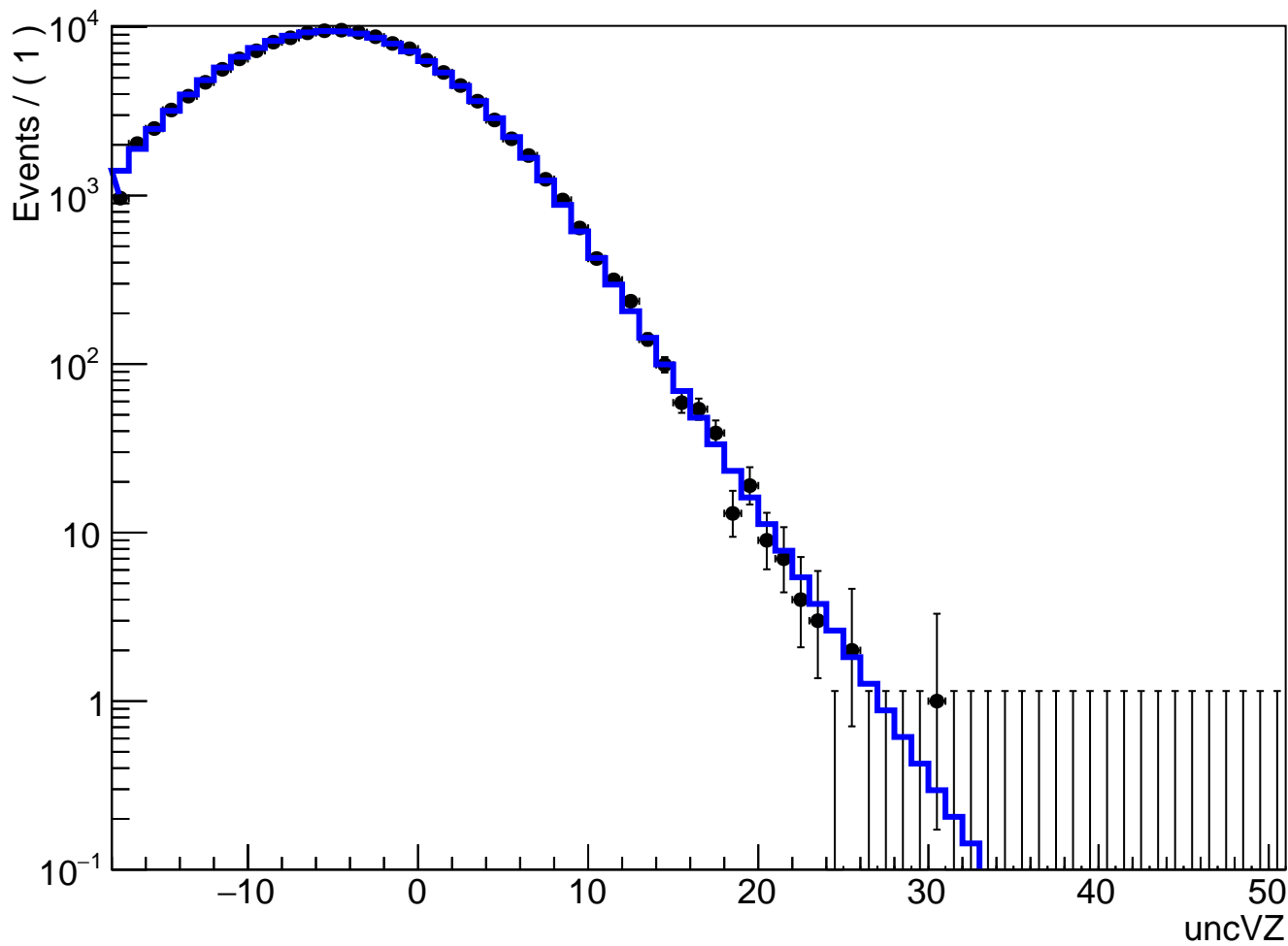
vertex Z, mass 0.0208163265306 +/- 0.00209949924259 GeV, zcut 31.7908500056 mm



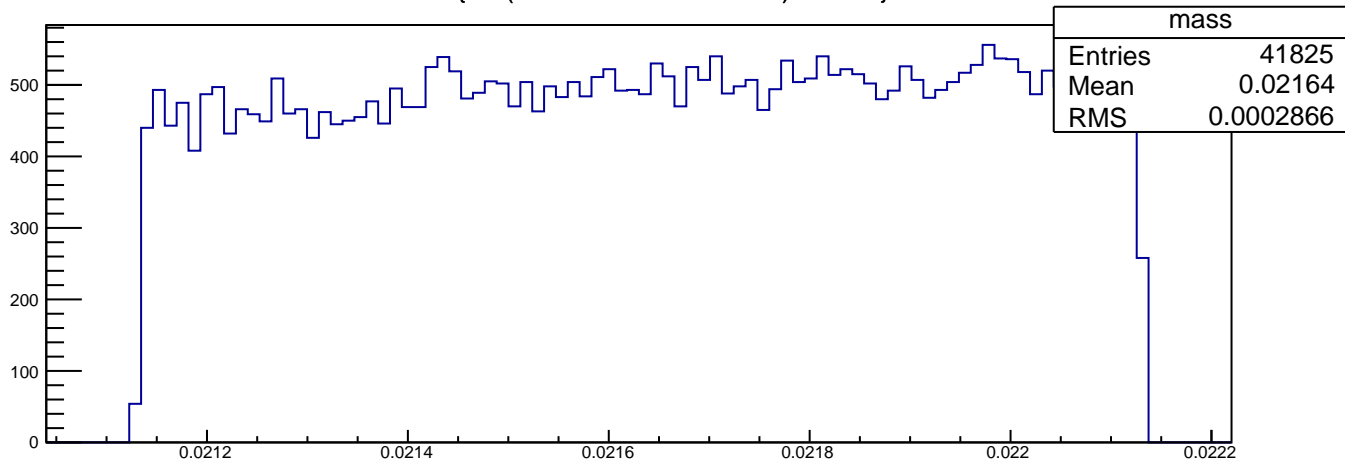
mass 0.0208163265306



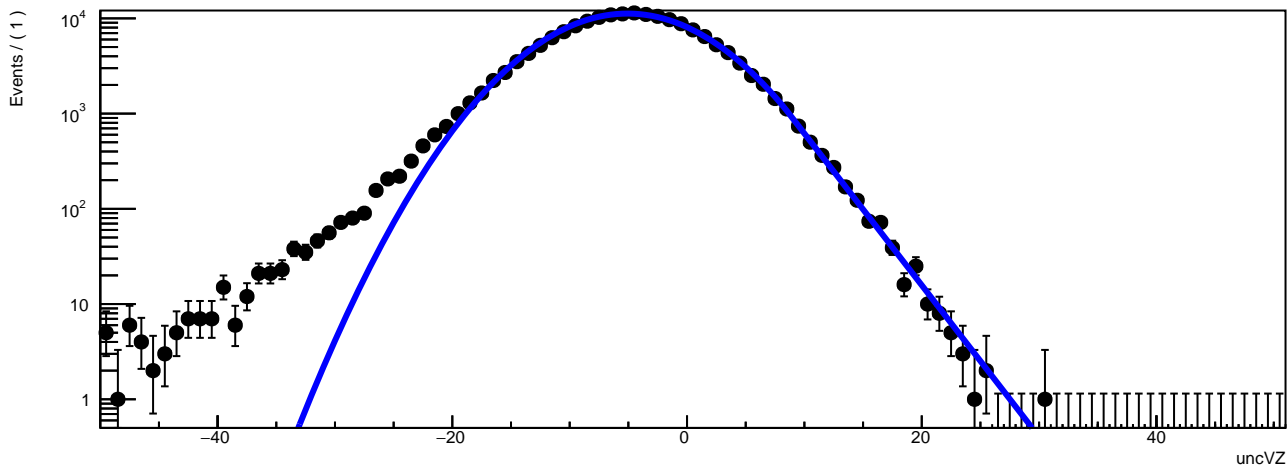
vertex Z, mass $0.0208163265306 \pm 0.00209949924259$ GeV, $z_{\text{cut}} 31.7908500056$ mm



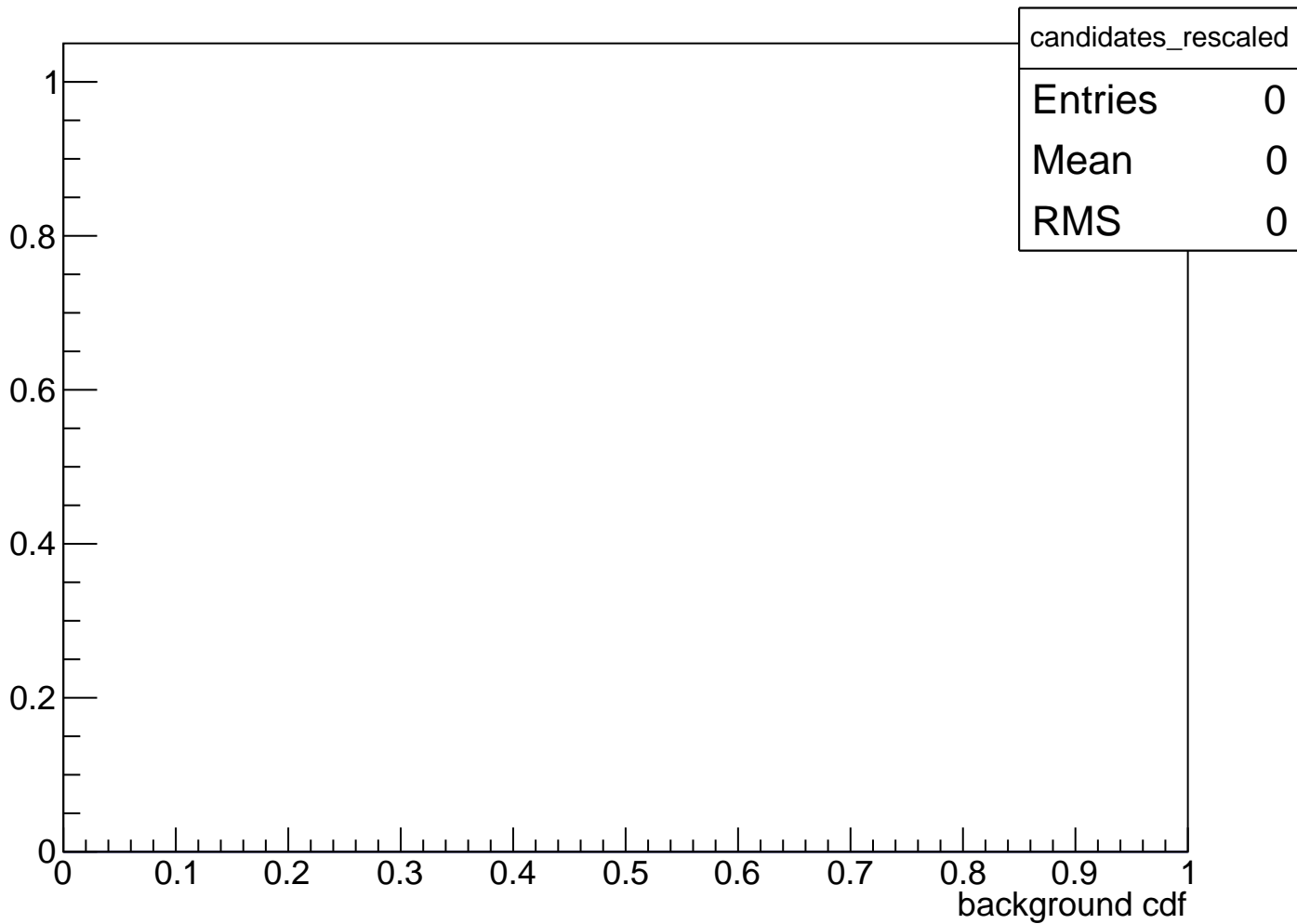
uncM {abs(uncM-0.0216326530612)<0.0005}



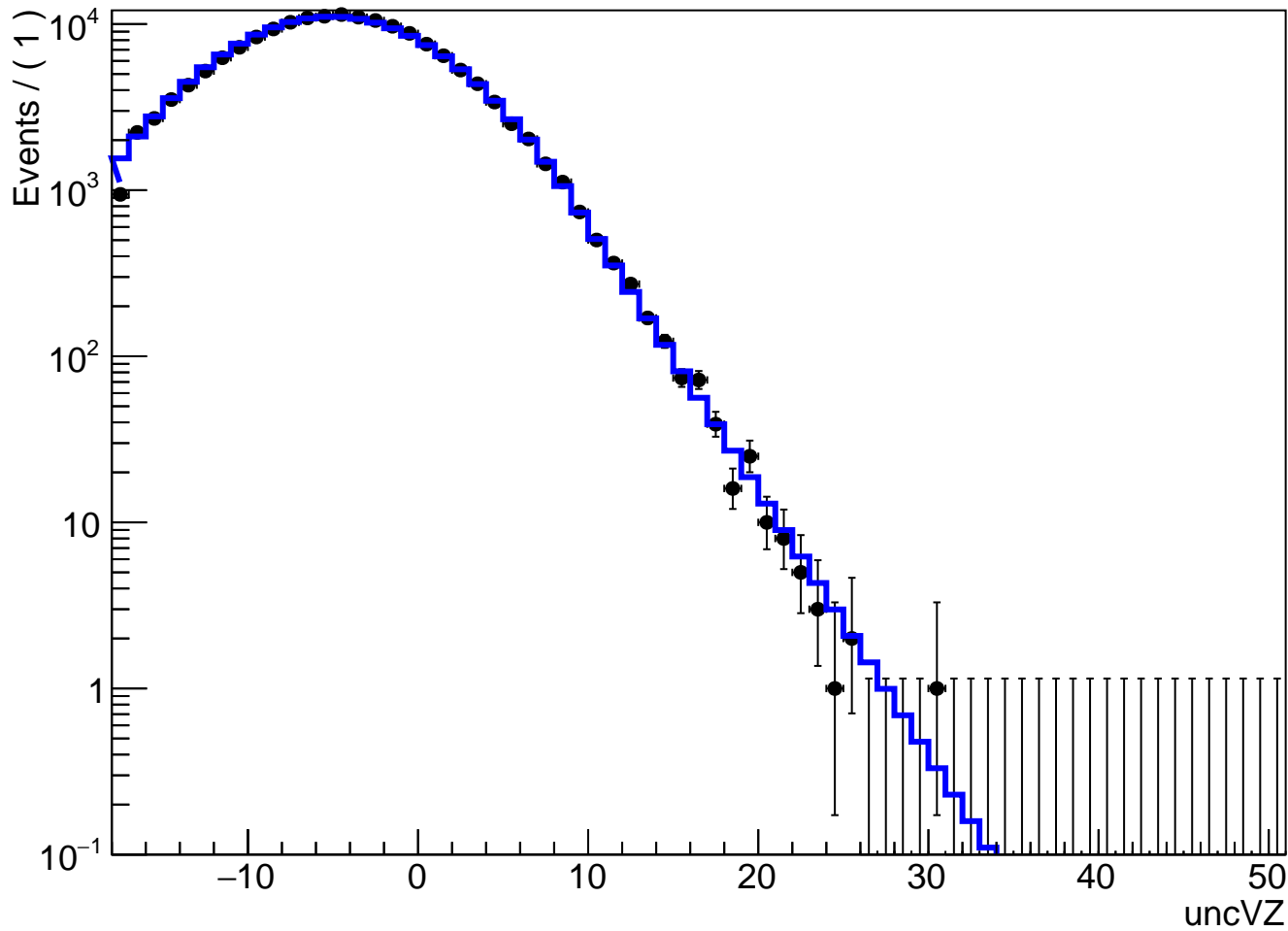
vertex Z, mass 0.0216326530612 +/- 0.000214256119887 GeV, zcut 32.0521273734 mm



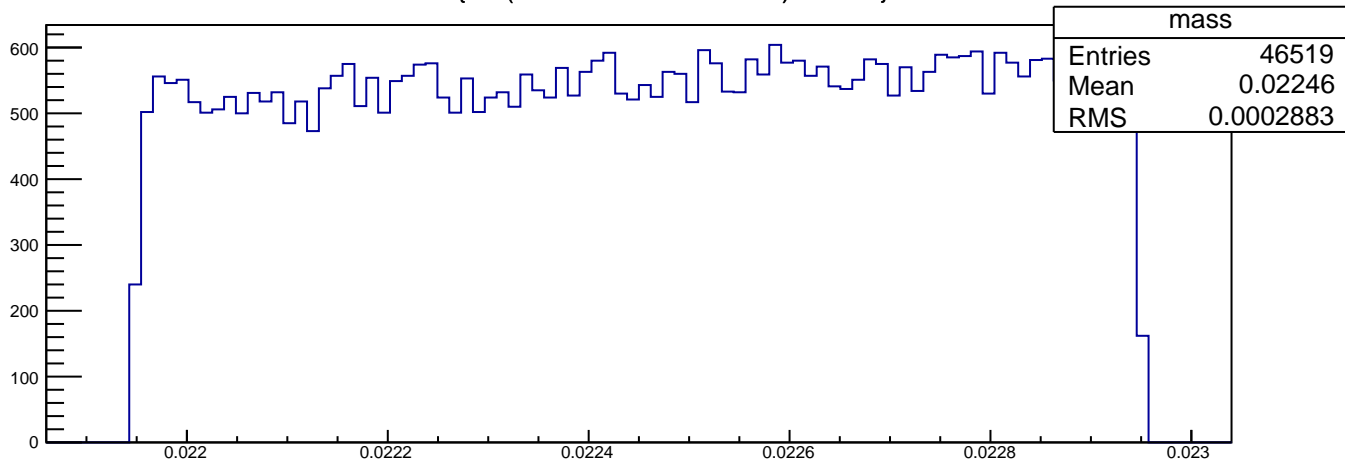
mass 0.0216326530612



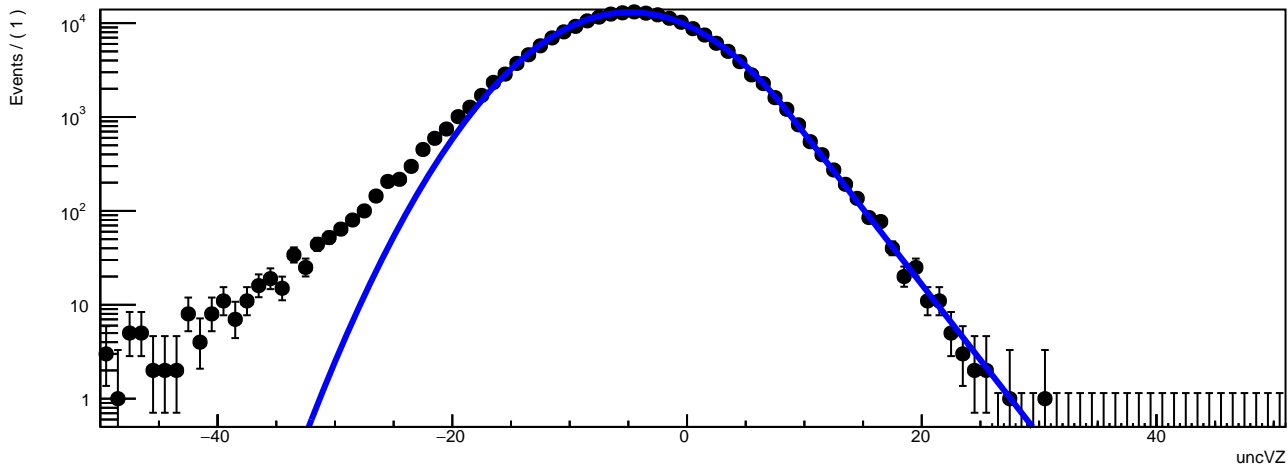
vertex Z, mass 0.0216326530612 +/- 0.00214256119887 GeV, zcut 32.0521273734 mm



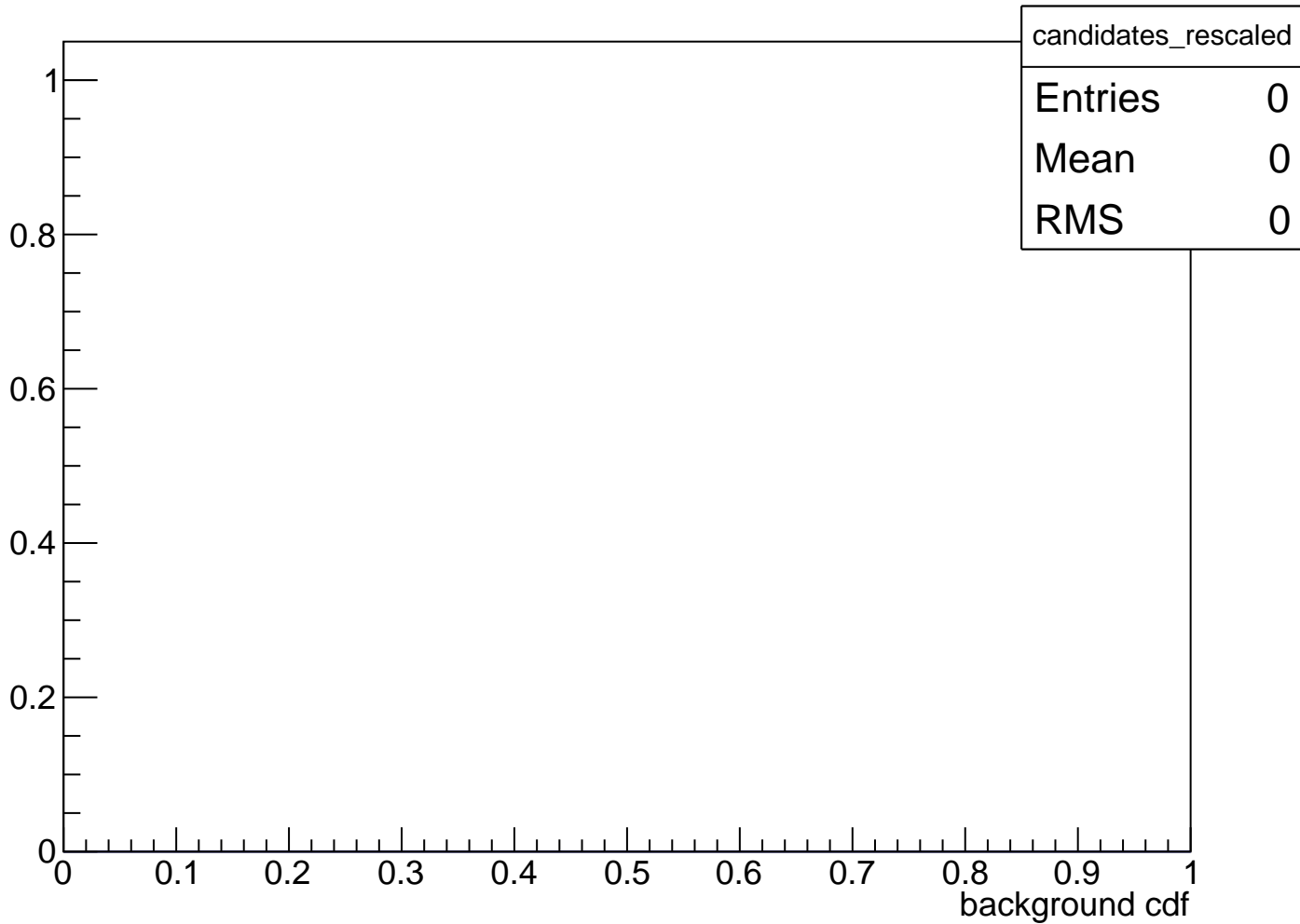
uncM {abs(uncM-0.0224489795918)<0.0005}



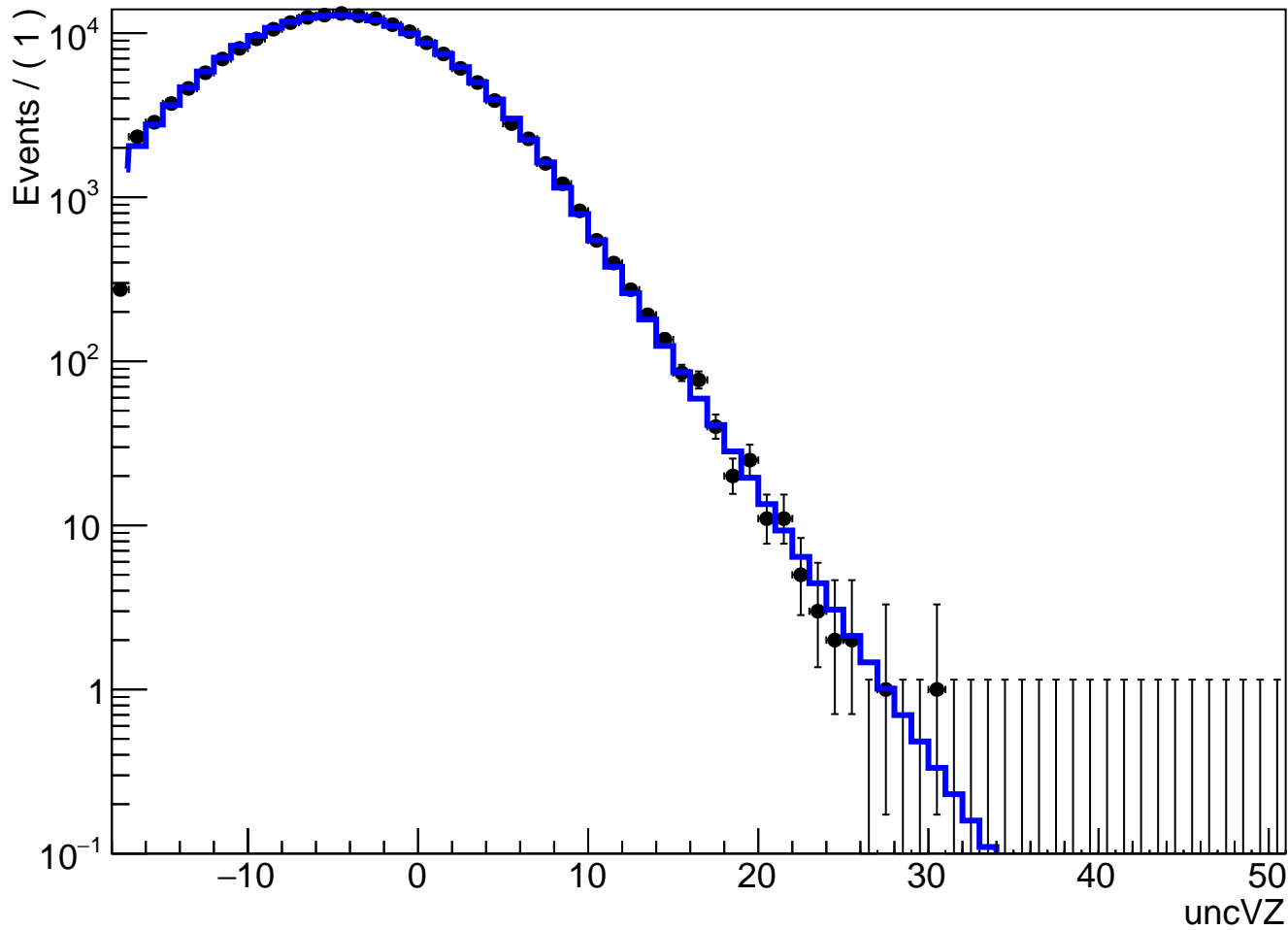
vertex Z, mass 0.0224489795918 +/- 0.00218562315516 GeV, zcut 32.0381563035 mm



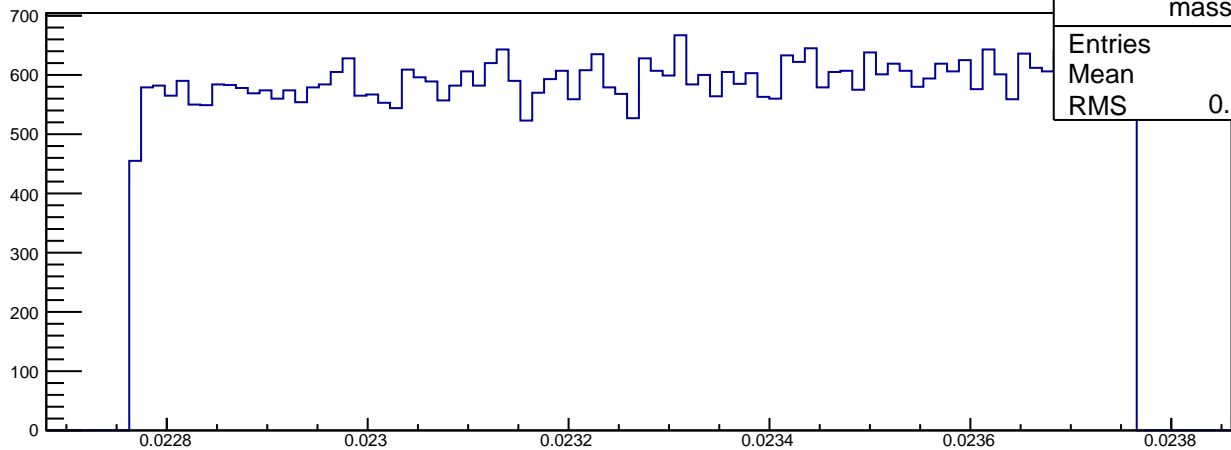
mass 0.0224489795918



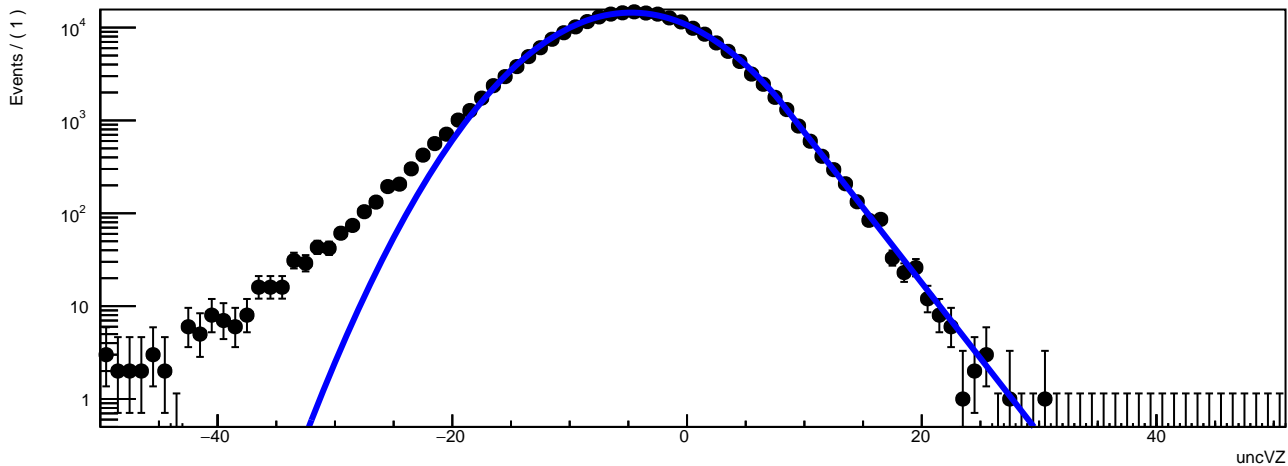
vertex Z, mass $0.0224489795918 \pm 0.00218562315516$ GeV, $z_{\text{cut}} 32.0381563035$ mm



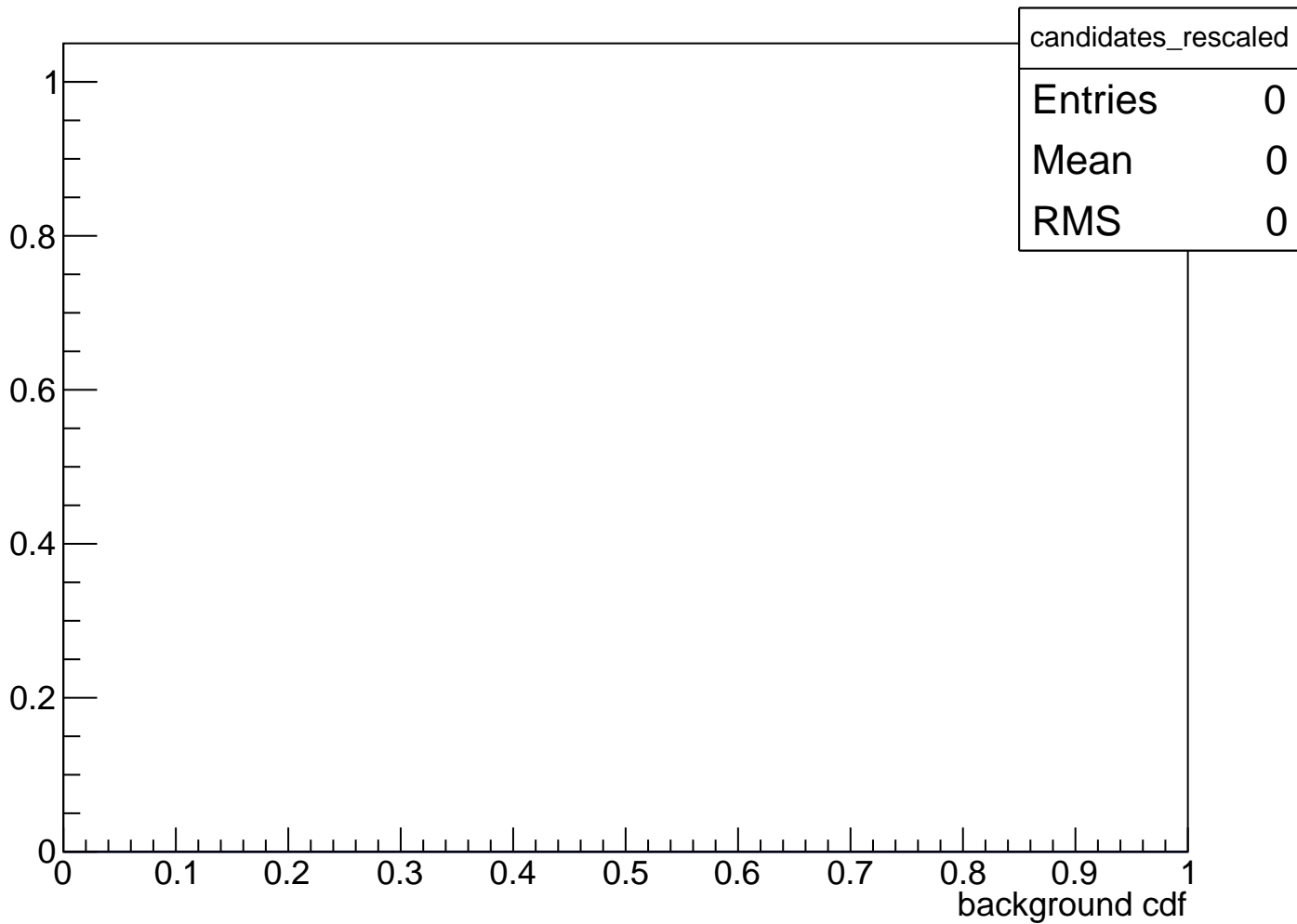
uncM {abs(uncM-0.0232653061224)<0.0005}



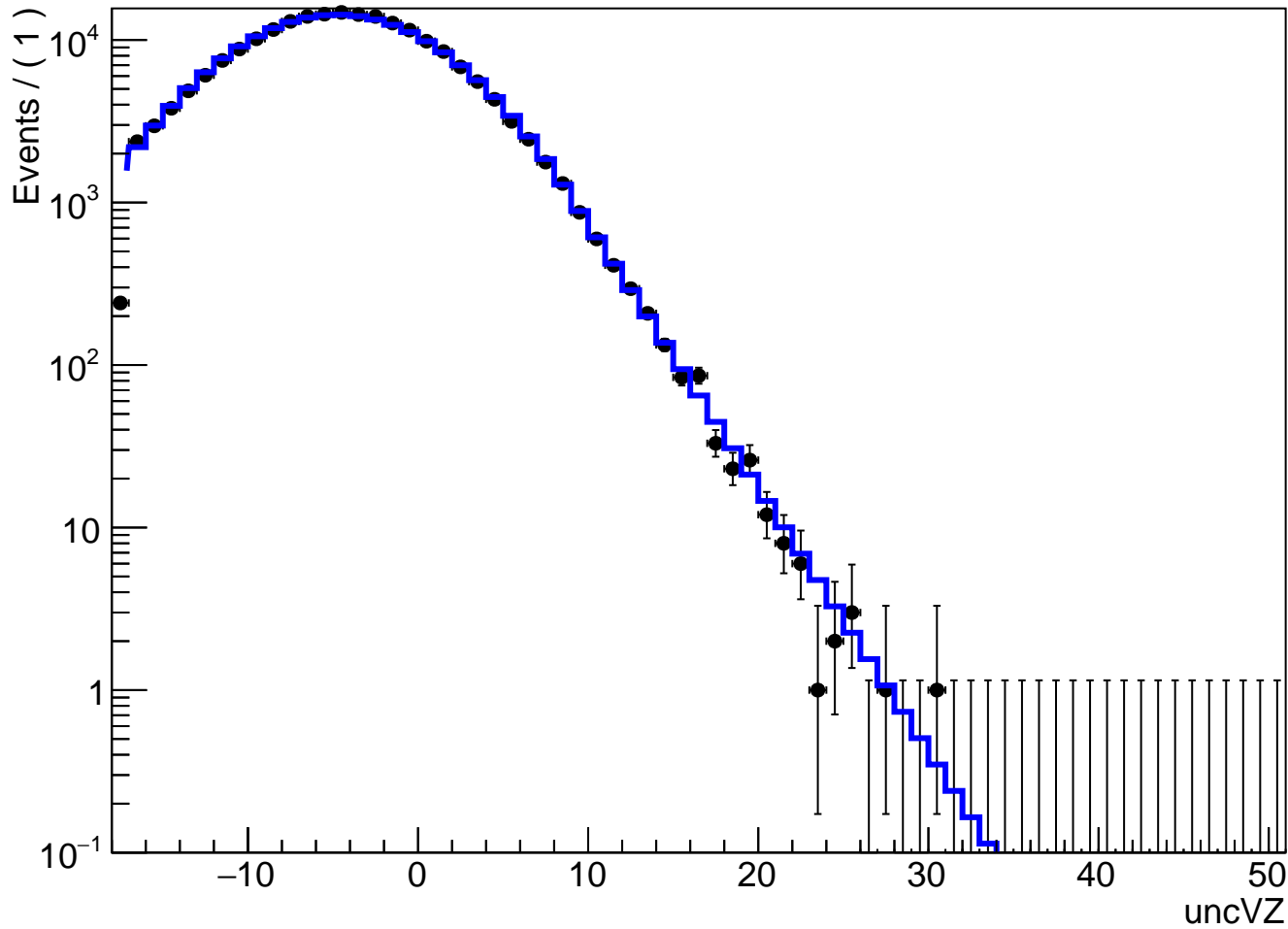
vertex Z, mass 0.0232653061224 +/- 0.00222868511144 GeV, zcut 32.1095764193 mm



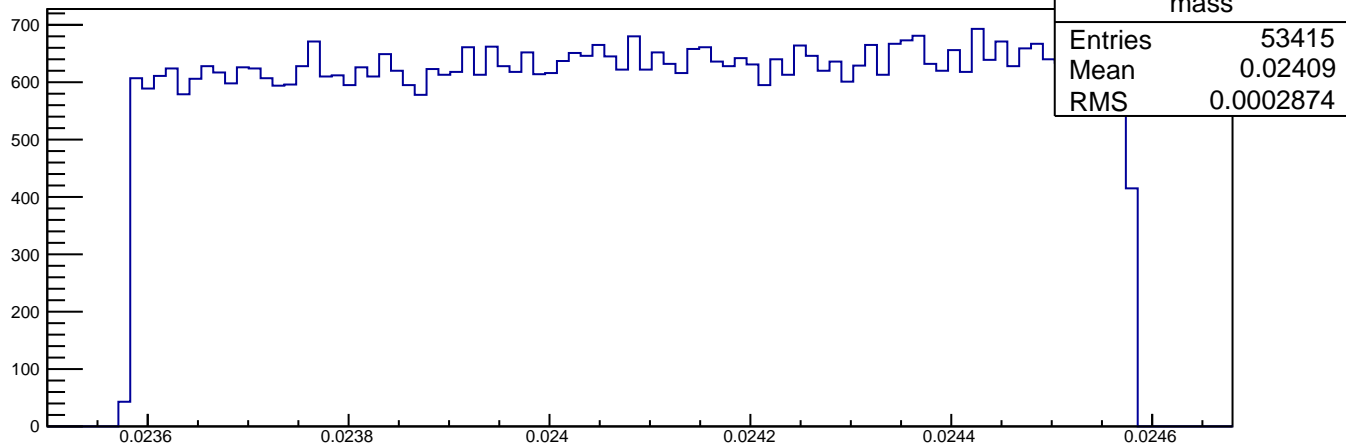
mass 0.0232653061224



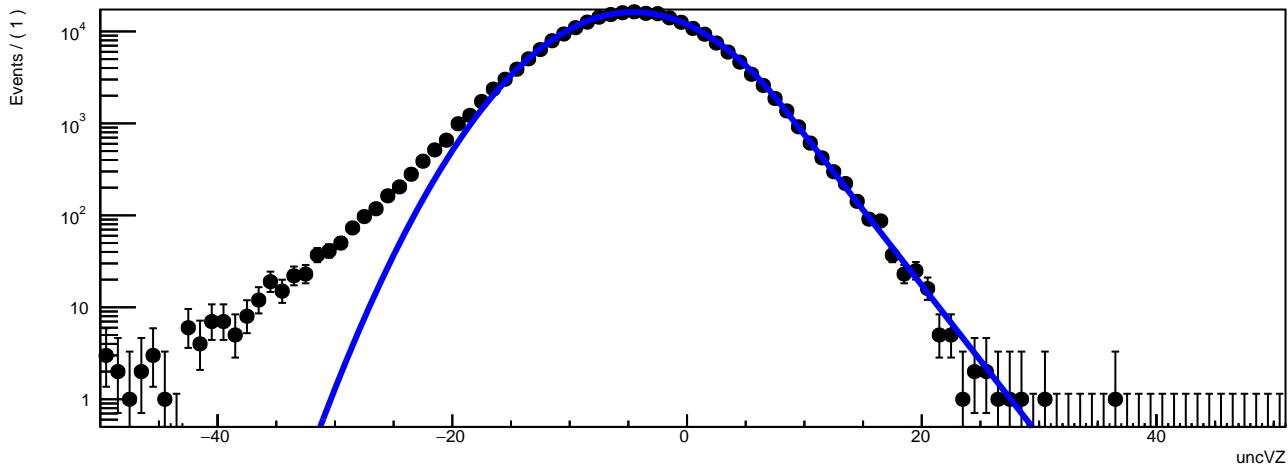
vertex Z, mass $0.0232653061224 \pm 0.00222868511144$ GeV, $z_{\text{cut}} 32.1095764193$ mm



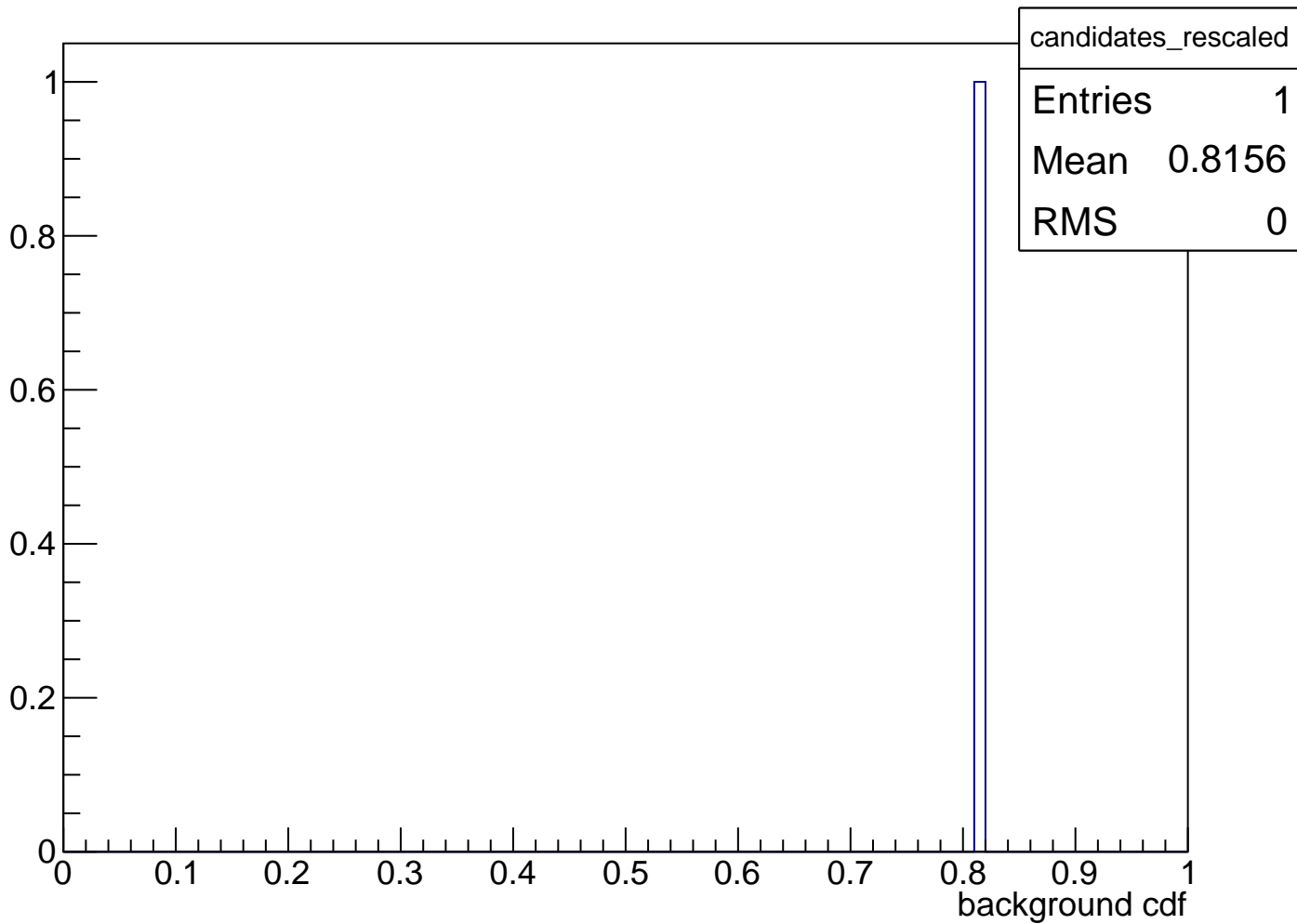
uncM {abs(uncM-0.0240816326531)<0.0005}



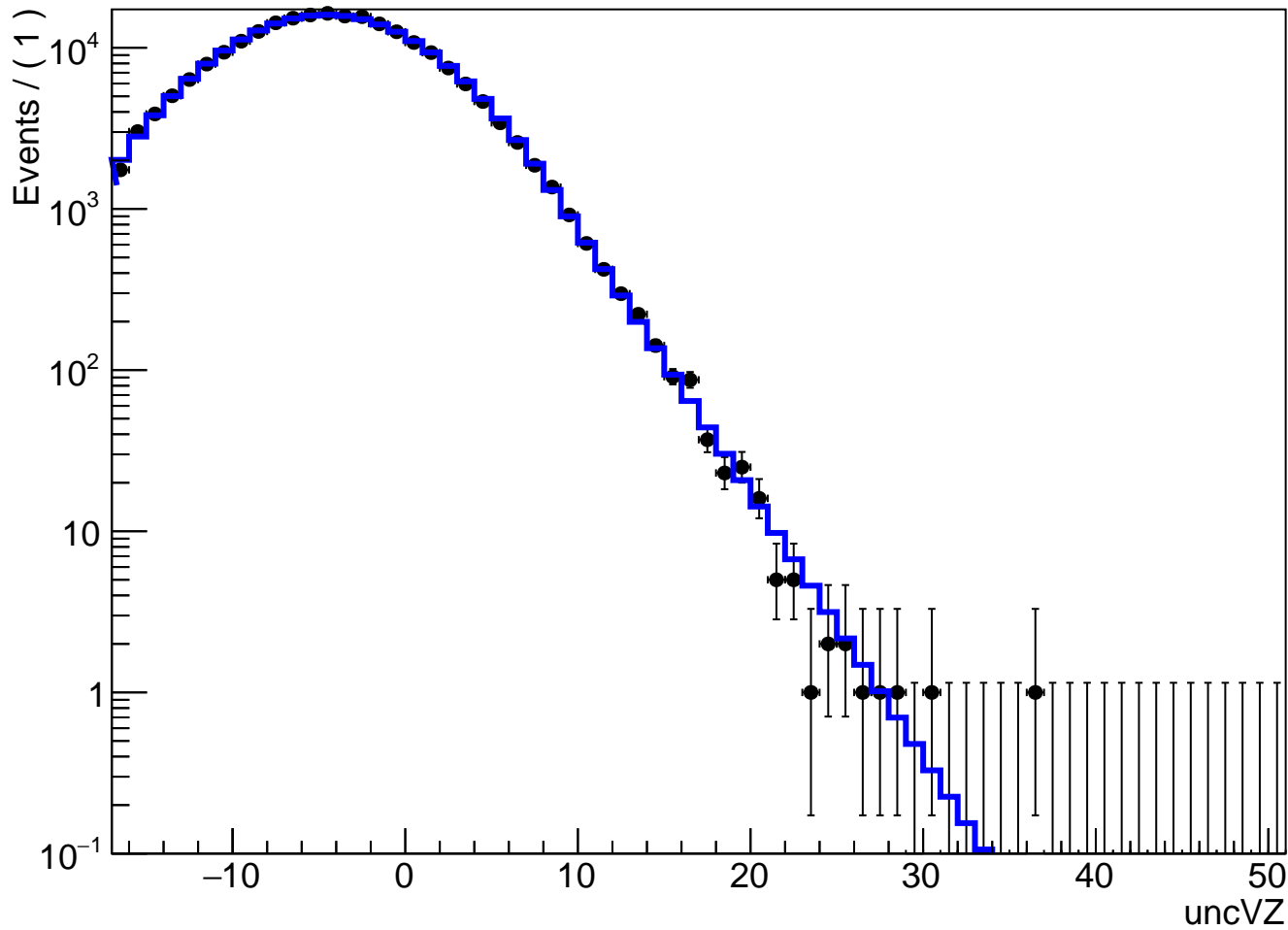
vertex Z, mass 0.0240816326531 +/- 0.00227174706773 GeV, zcut 31.9142187601 mm



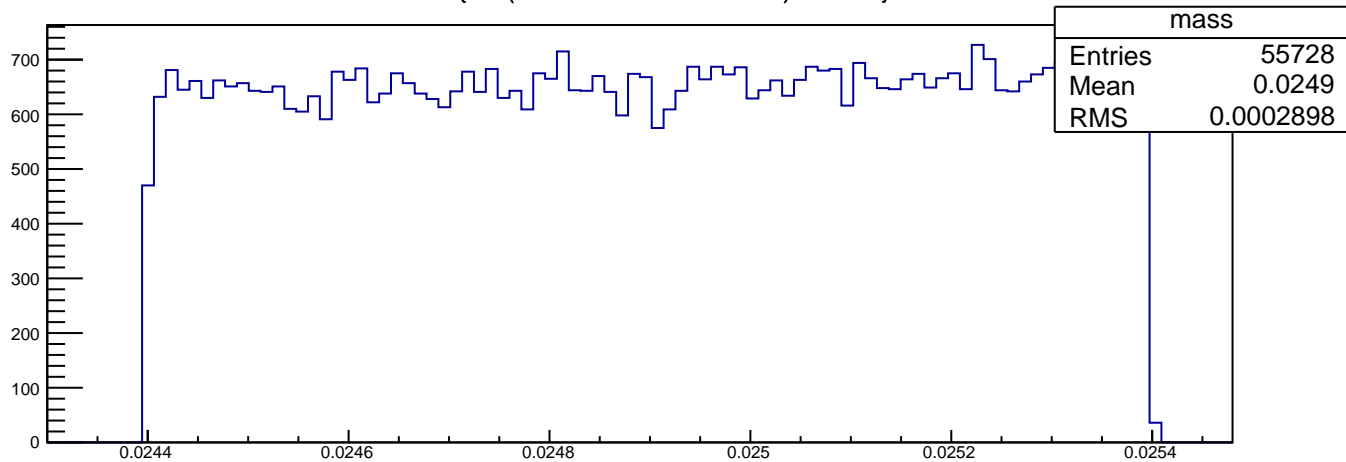
mass 0.0240816326531



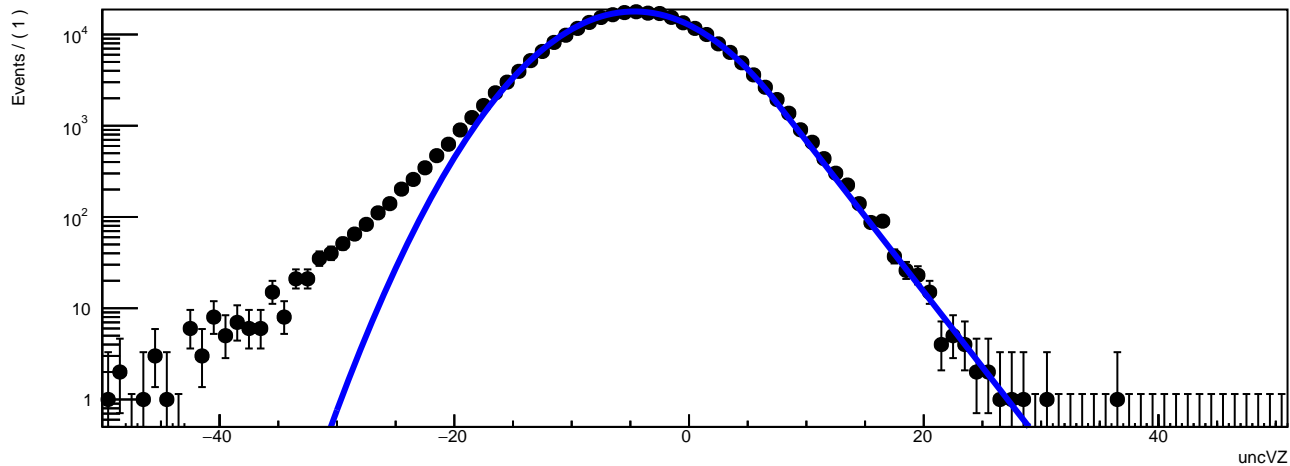
vertex Z, mass $0.0240816326531 \pm 0.00227174706773$ GeV, $z_{\text{cut}} 31.9142187601$ mm



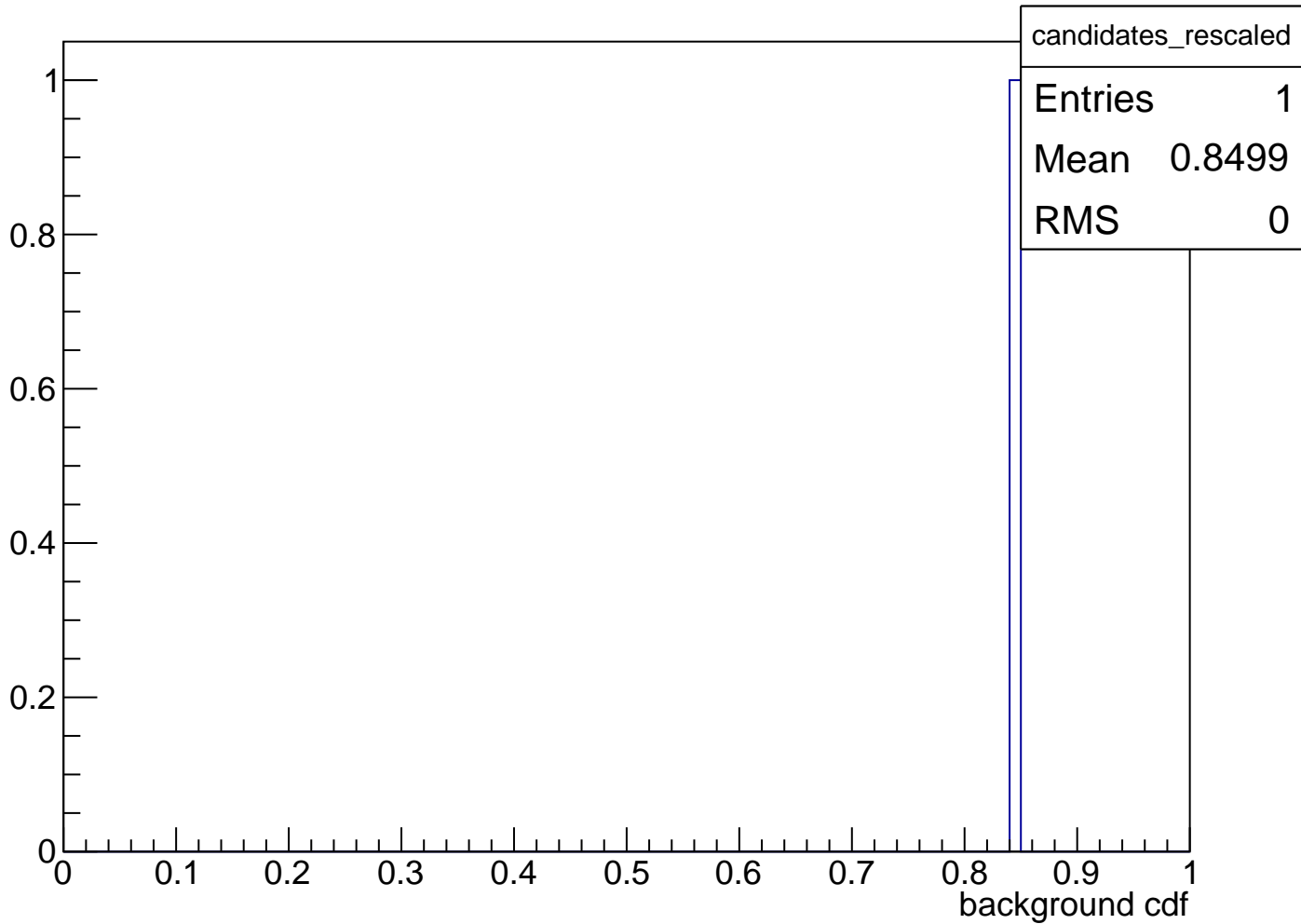
uncM {abs(uncM-0.0248979591837)<0.0005}



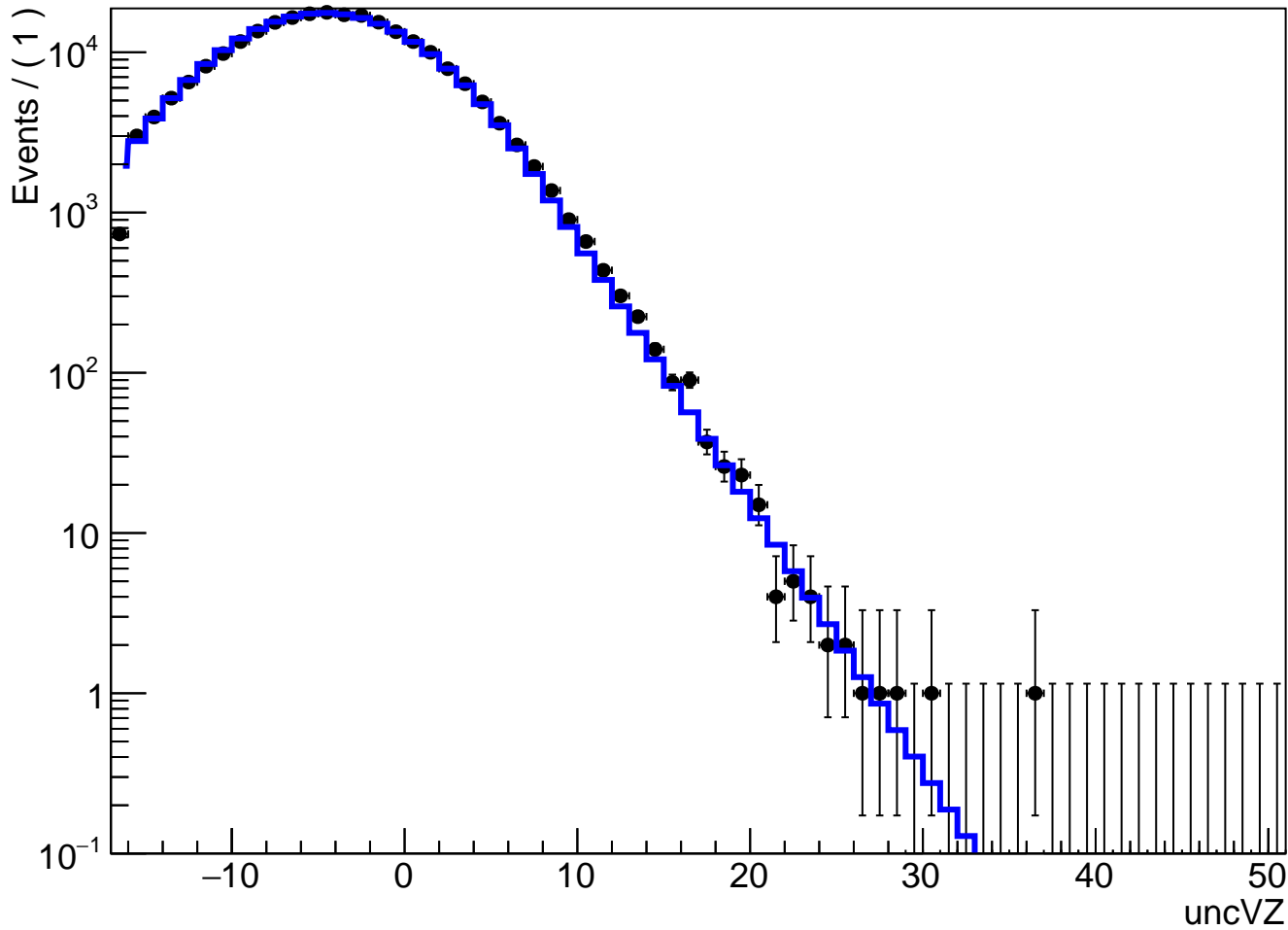
vertex Z, mass 0.0248979591837 +/- 0.00231480902401 GeV, zcut 31.4162784355 mm



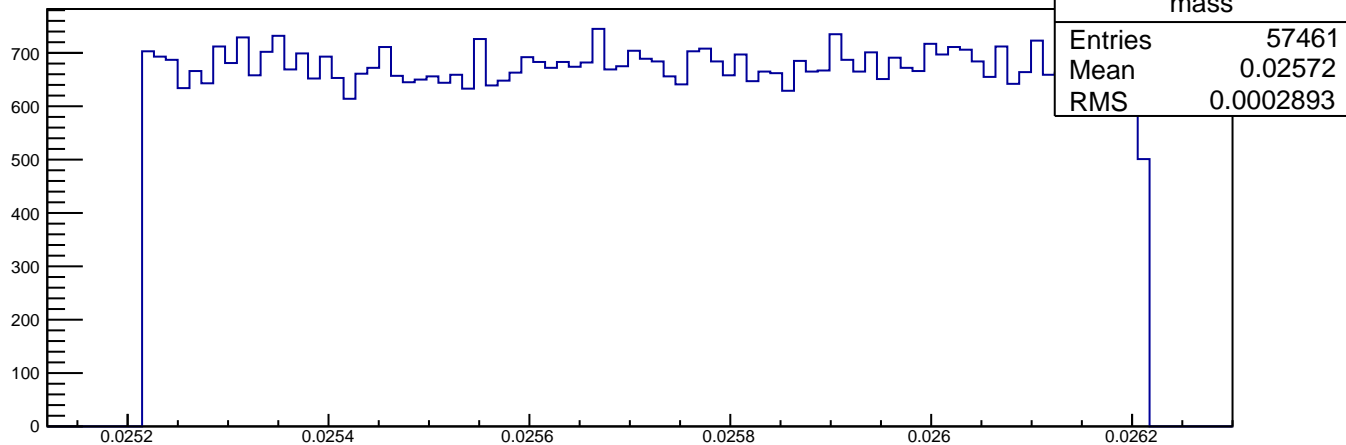
mass 0.0248979591837



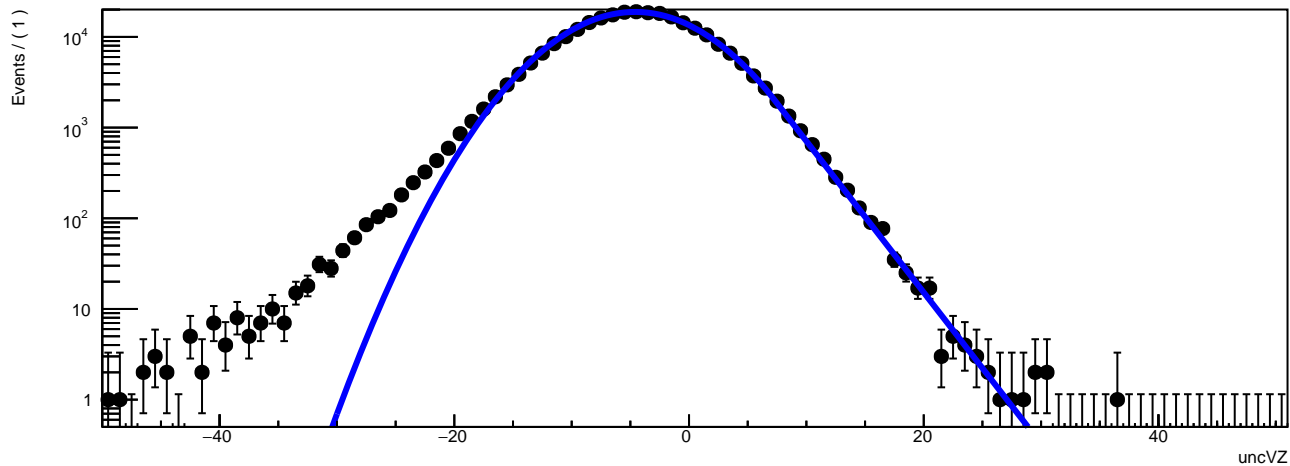
vertex Z, mass 0.0248979591837 +/- 0.00231480902401 GeV, zcut 31.4162784355 mm



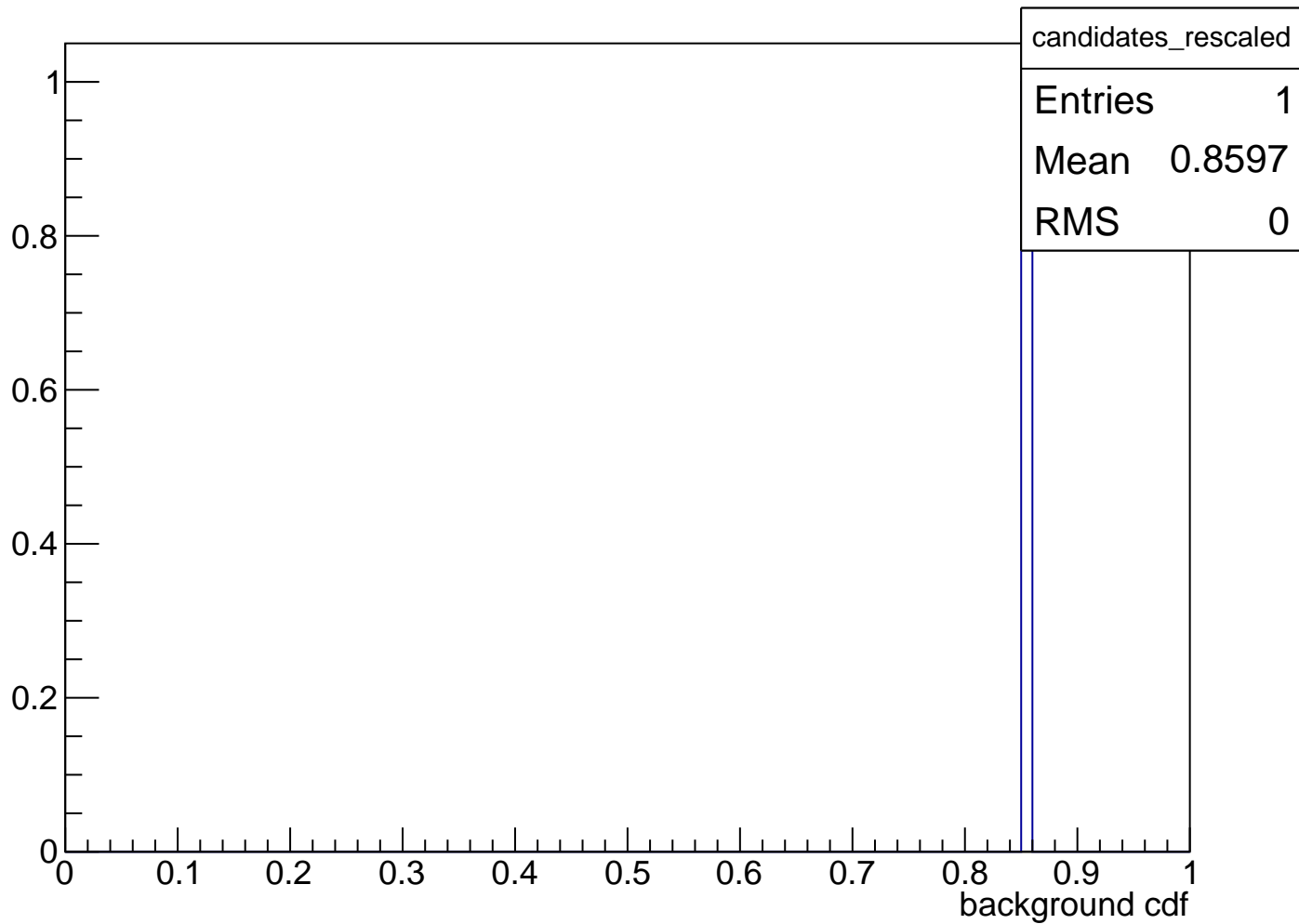
uncM {abs(uncM-0.0257142857143)<0.0005}



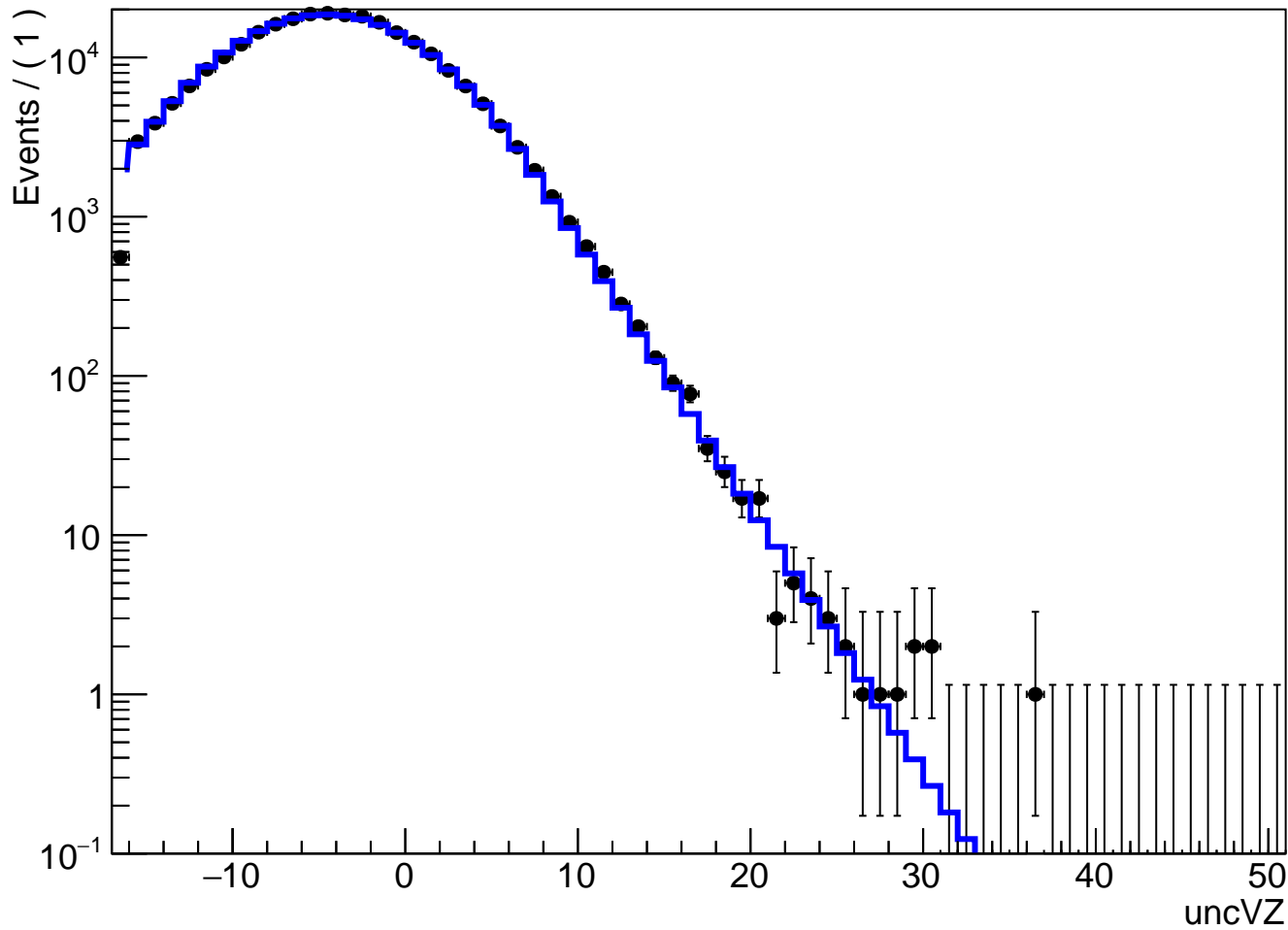
vertex Z, mass 0.0257142857143 +/- 0.0023578709803 GeV, zcut 31.2887406165 mm



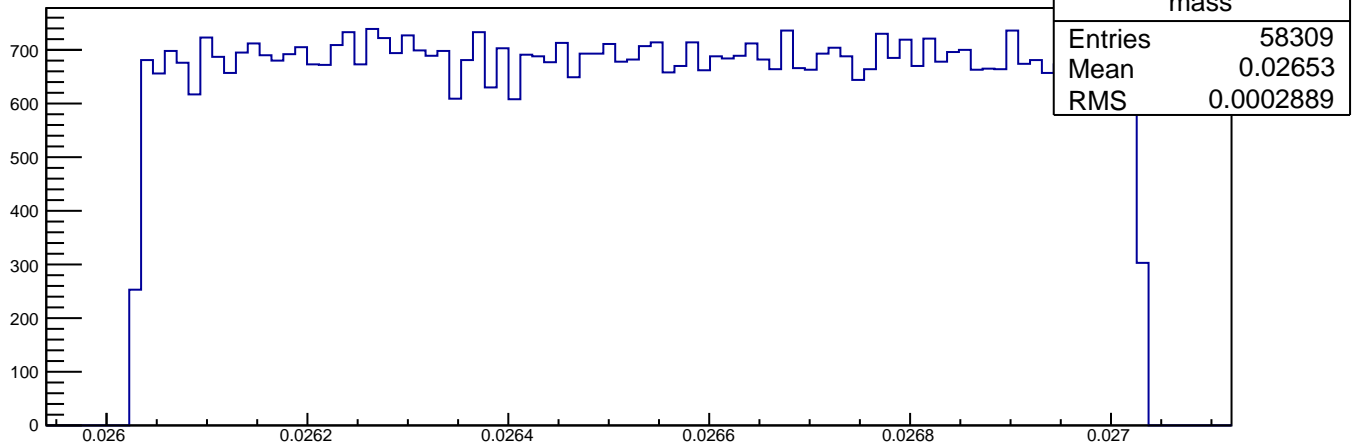
mass 0.0257142857143



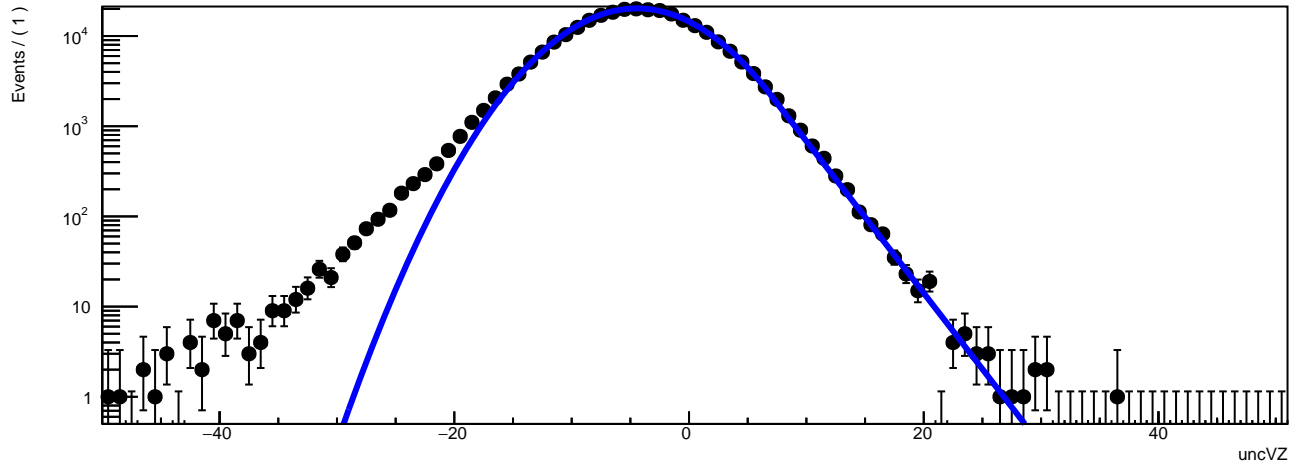
vertex Z, mass $0.0257142857143 \pm 0.0023578709803$ GeV, zcut 31.2887406165 mm



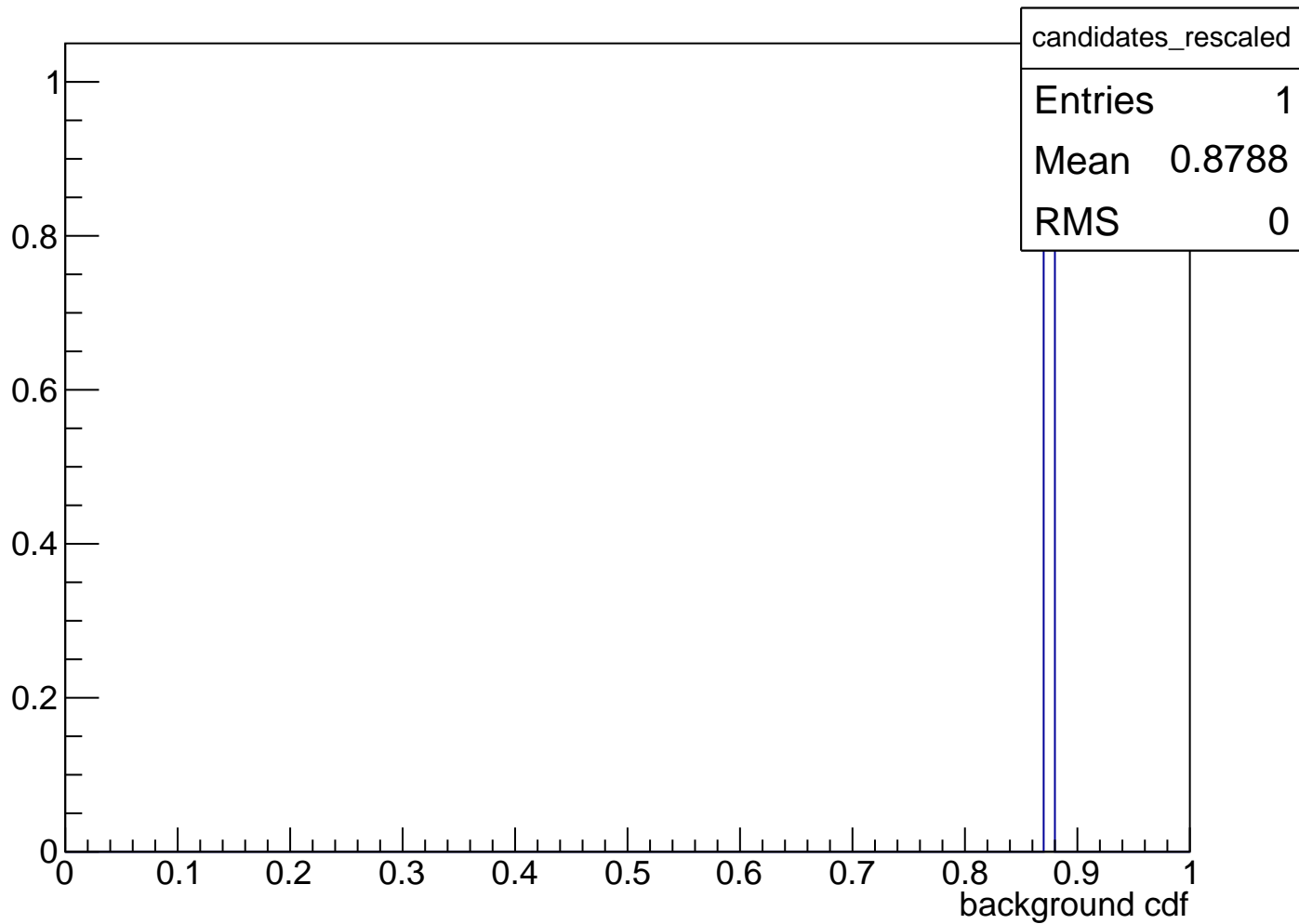
uncM {abs(uncM-0.0265306122449)<0.0005}



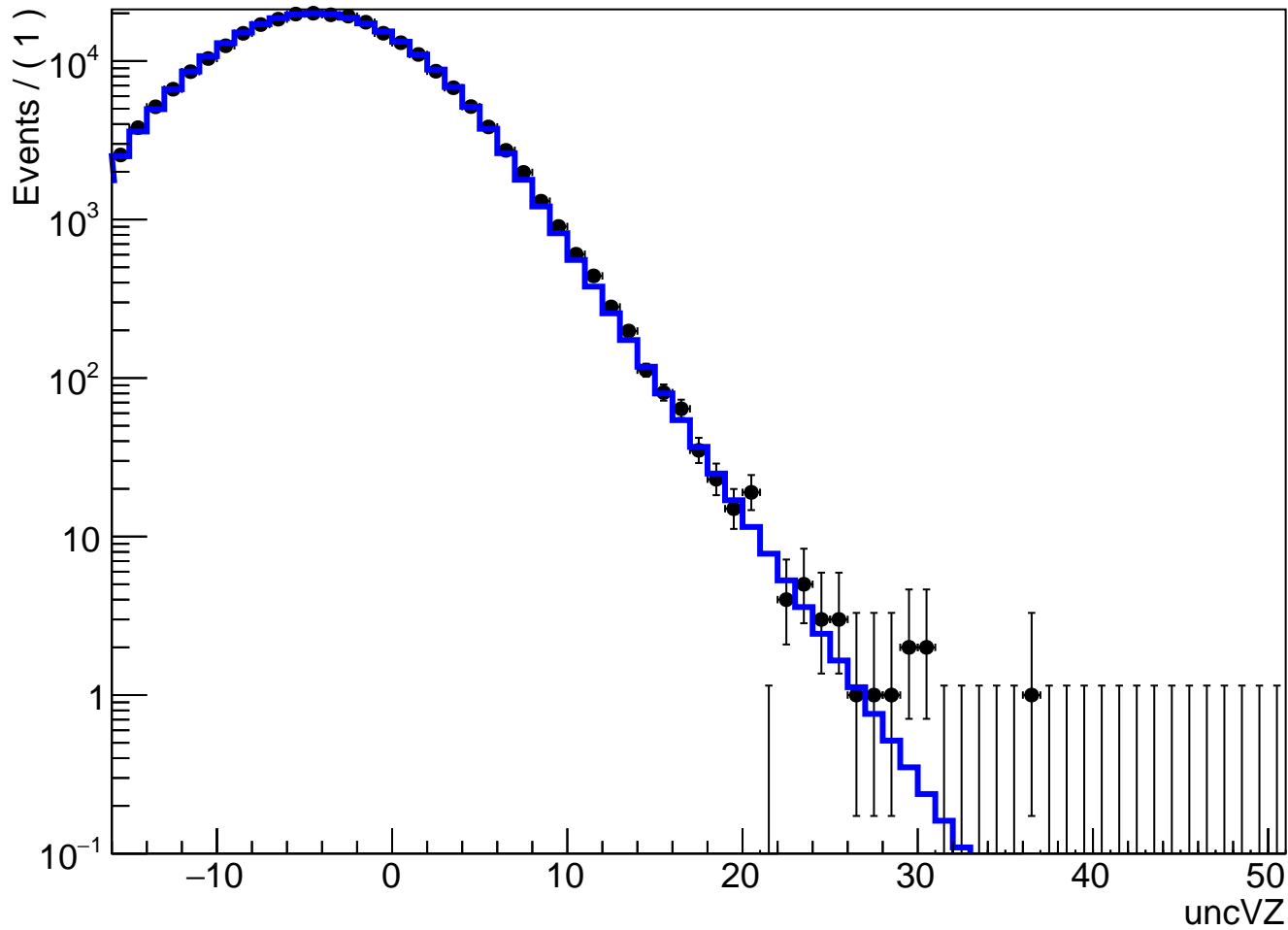
vertex Z, mass 0.0265306122449 +/- 0.00240093293658 GeV, zcut 30.9596780763 mm



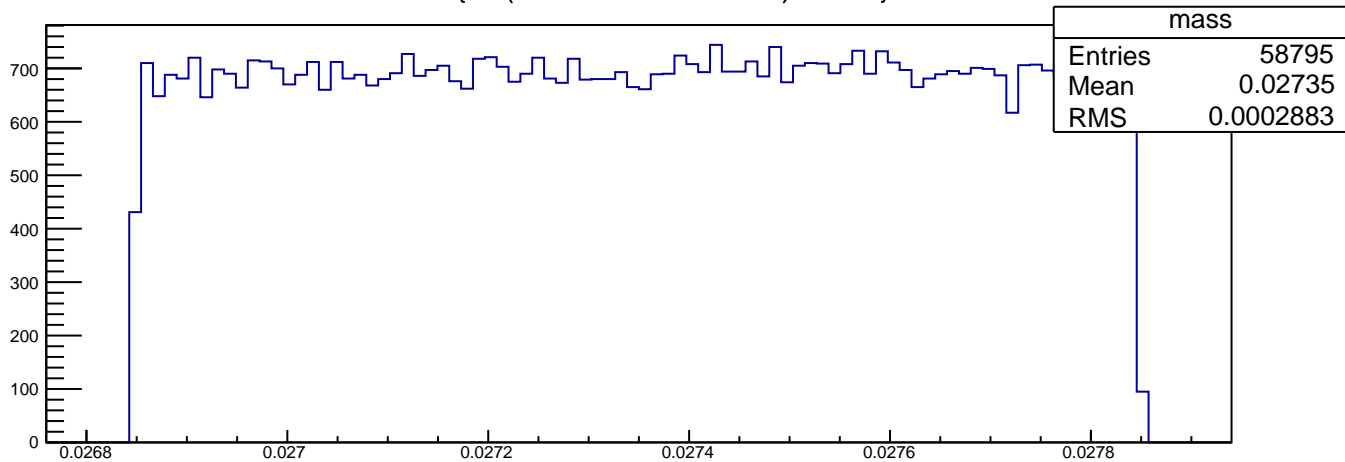
mass 0.0265306122449



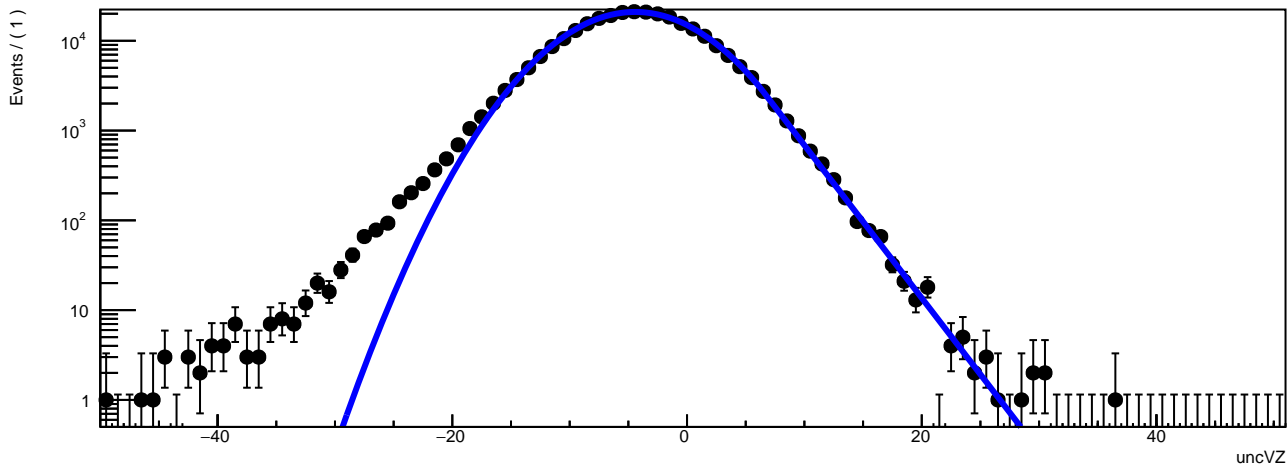
vertex Z, mass 0.0265306122449 +/- 0.00240093293658 GeV, zcut 30.9596780763 mm



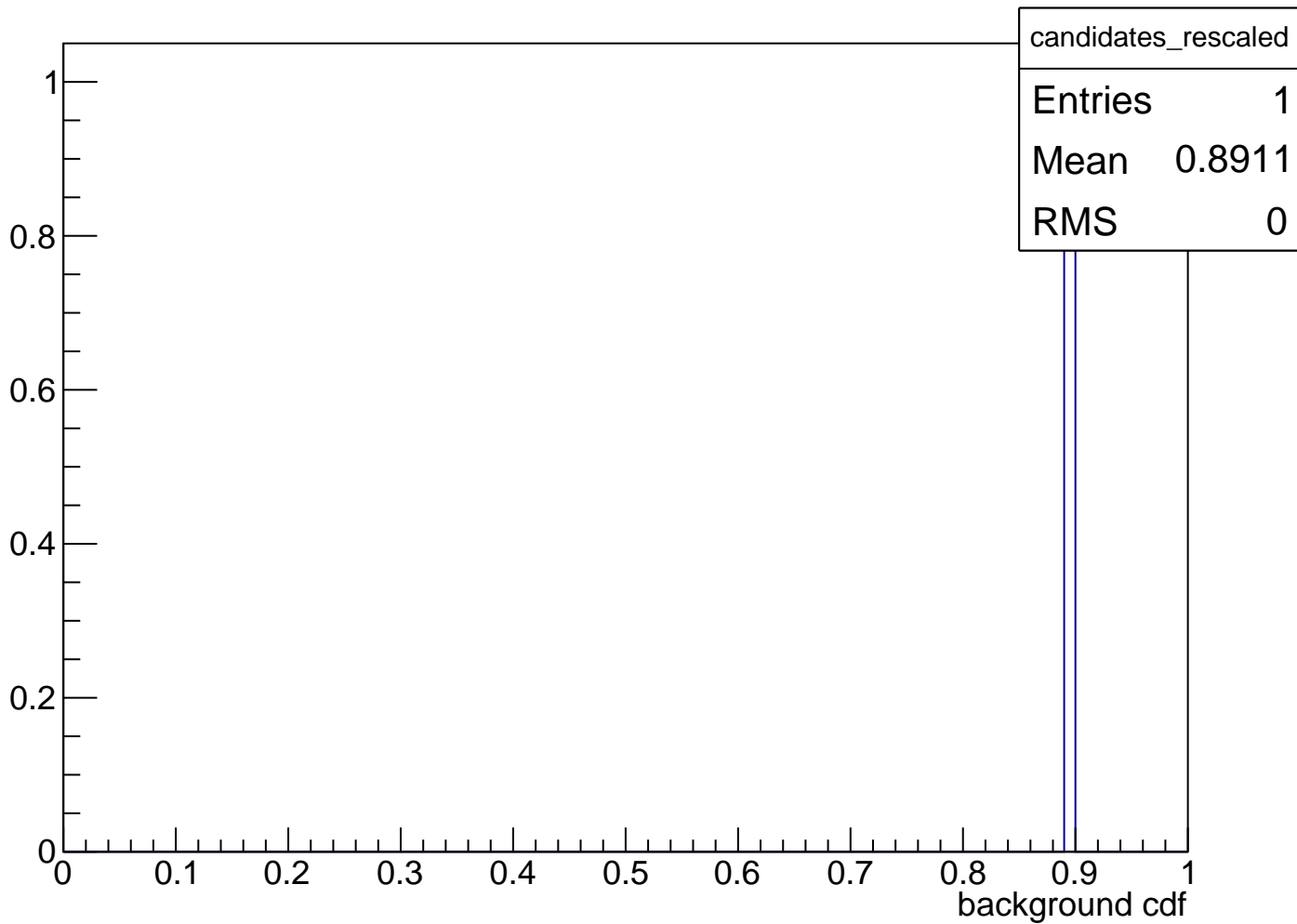
uncM {abs(uncM-0.0273469387755)<0.0005}



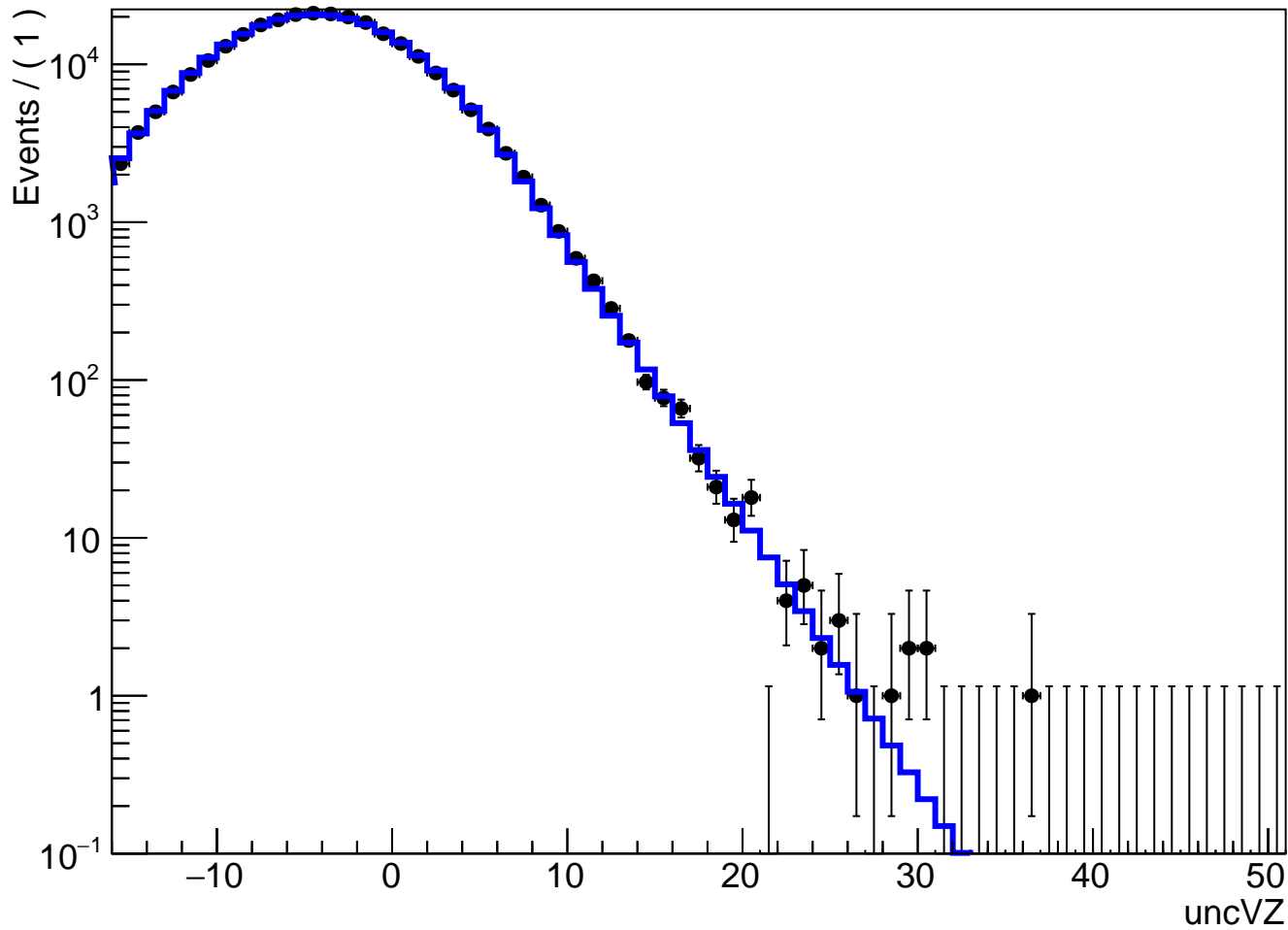
vertex Z, mass 0.0273469387755 +/- 0.00244399489286 GeV, zcut 30.7399787599 mm



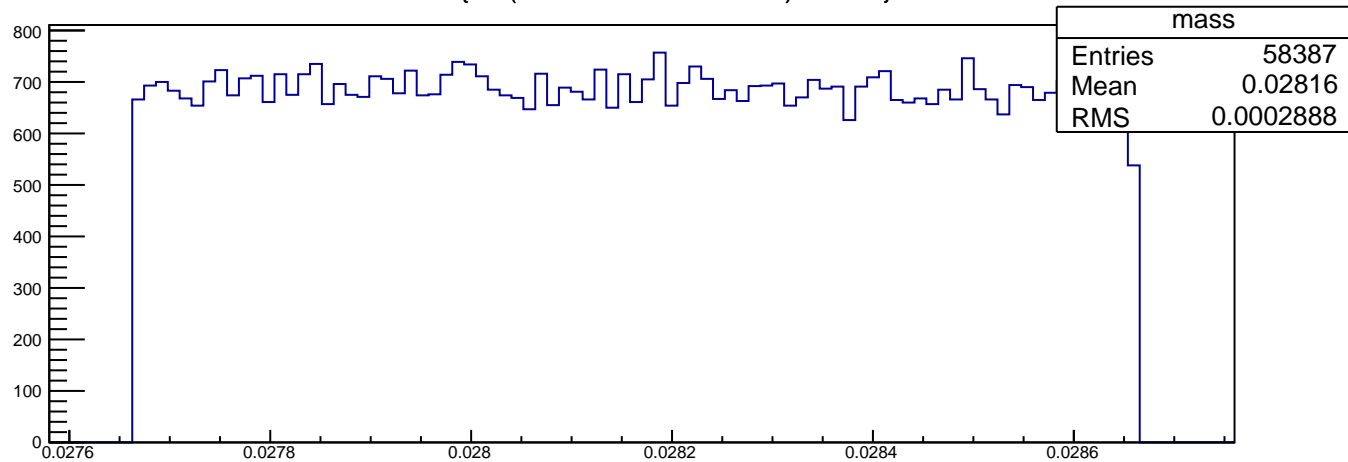
mass 0.0273469387755



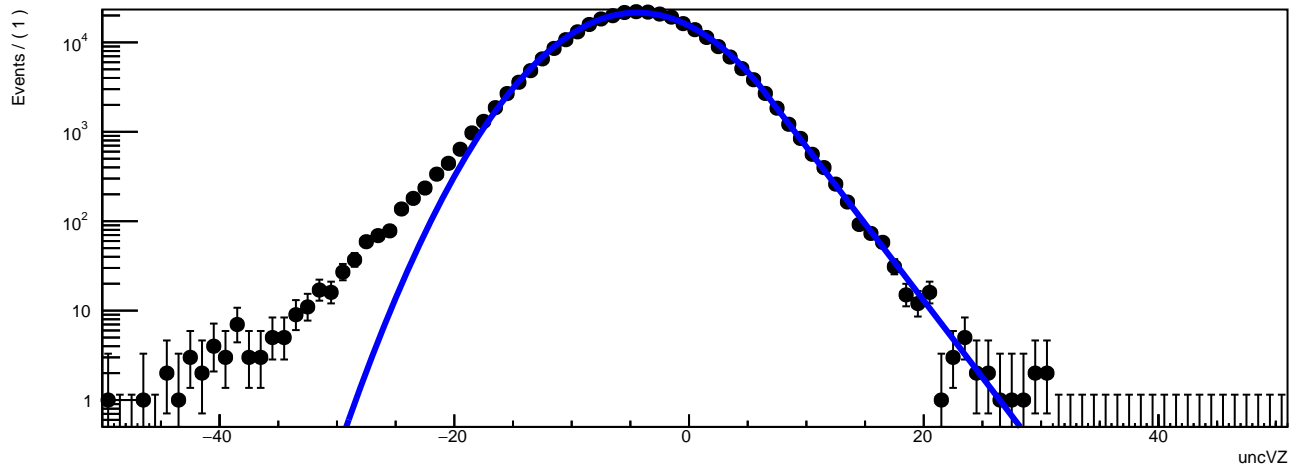
vertex Z, mass $0.0273469387755 \pm 0.00244399489286$ GeV, zcut 30.7399787599 mm



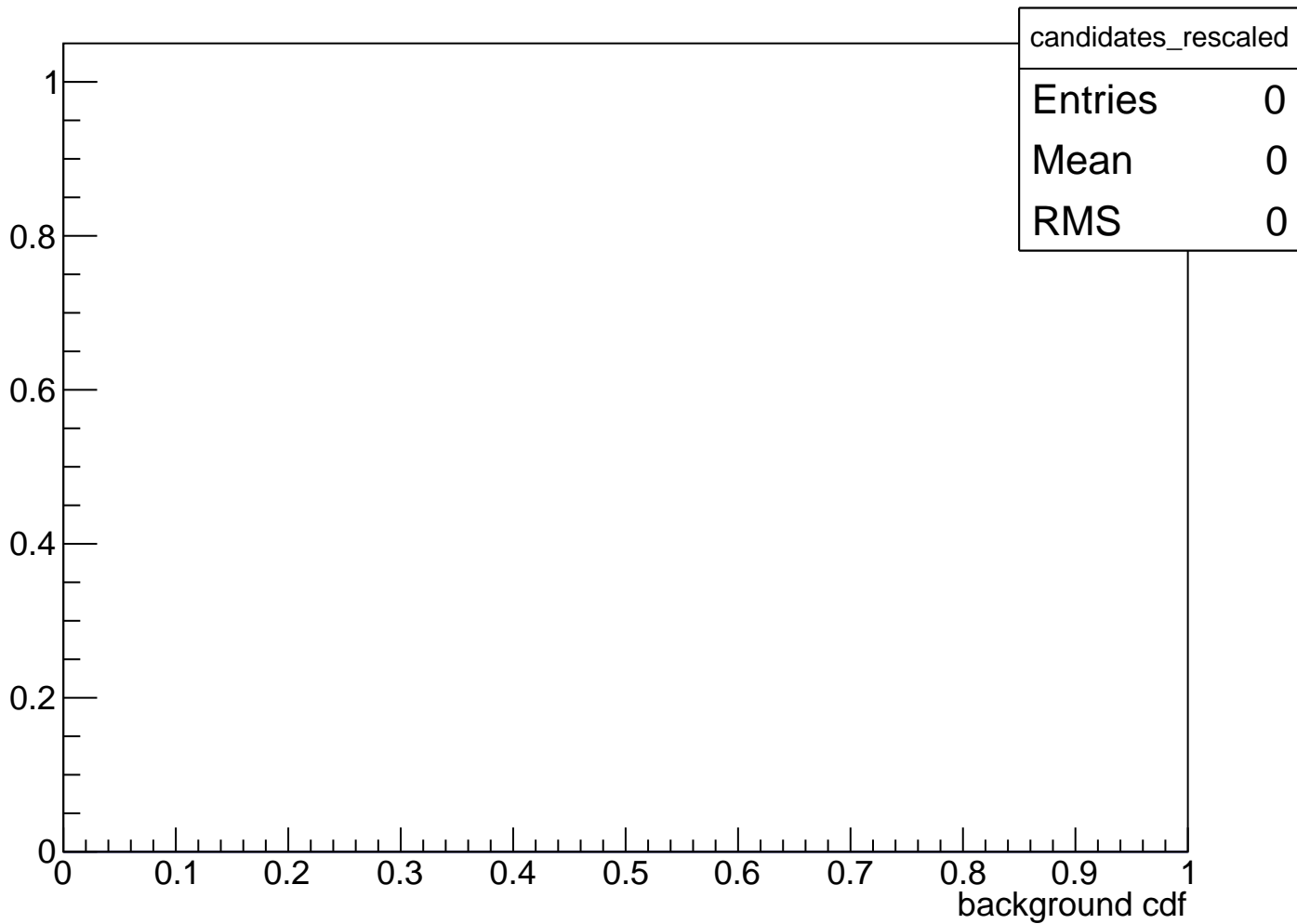
uncM {abs(uncM-0.0281632653061)<0.0005}



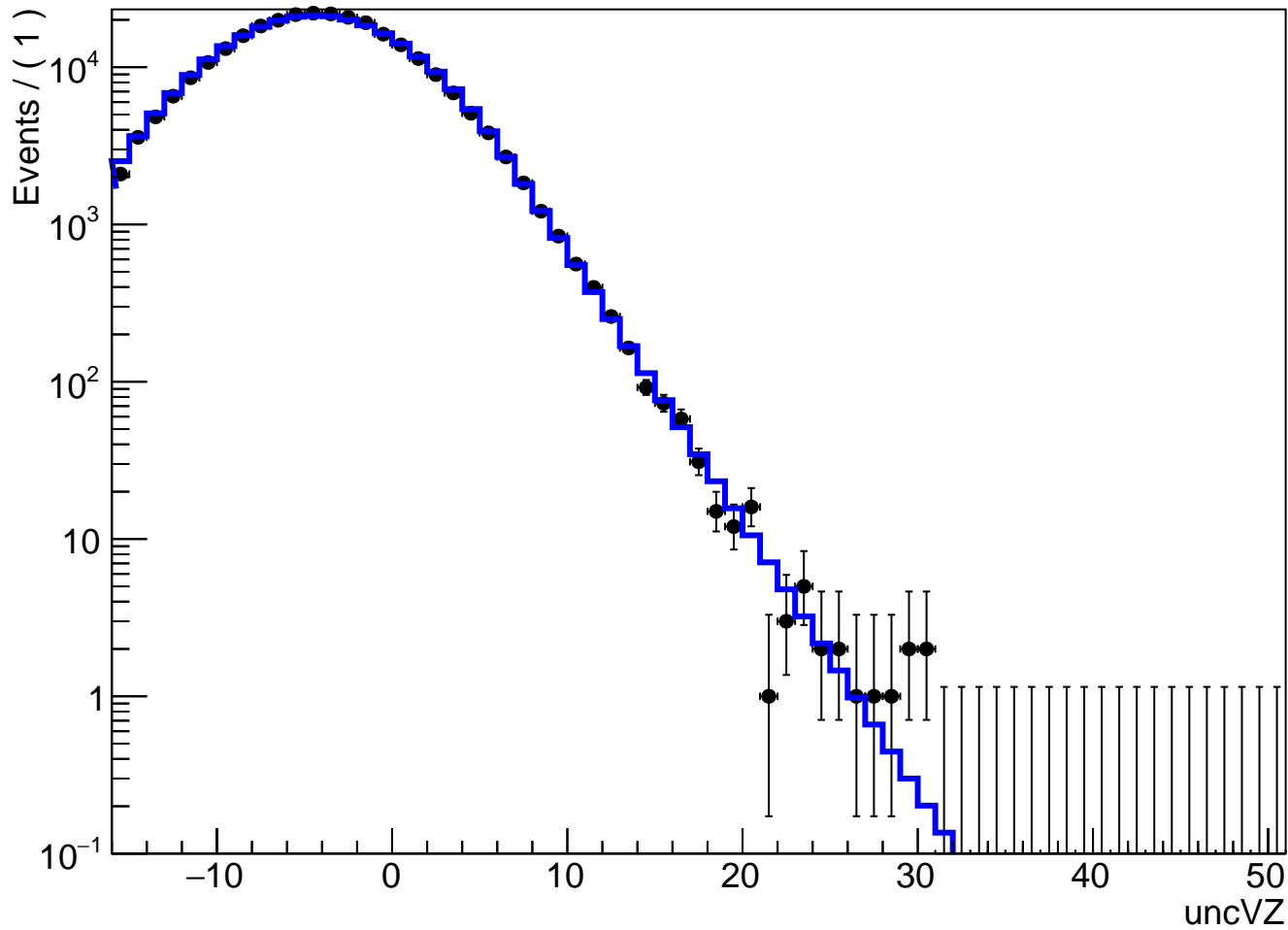
vertex Z, mass 0.0281632653061 +/- 0.00248705684915 GeV, zcut 30.477797733 mm



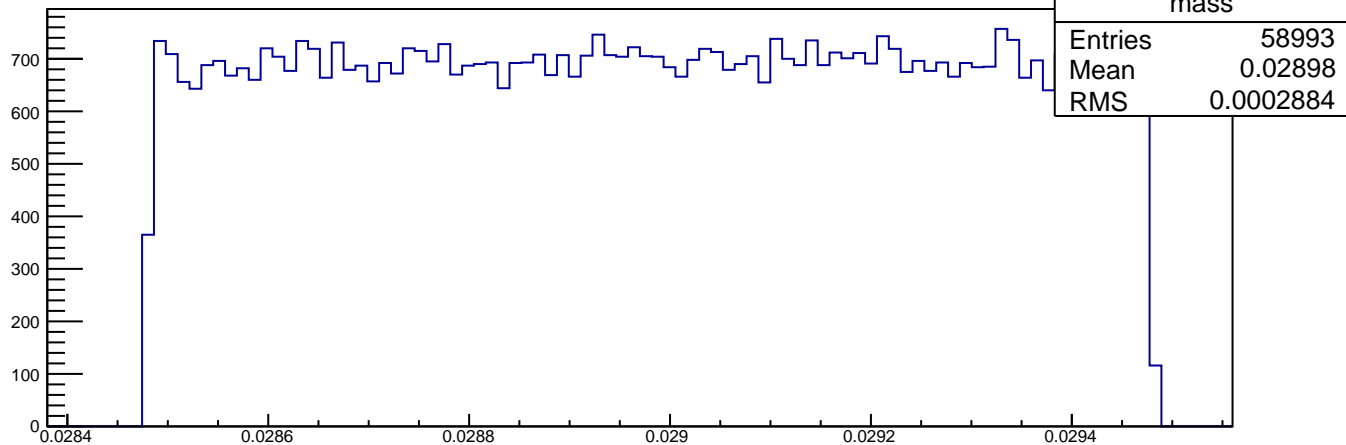
mass 0.0281632653061



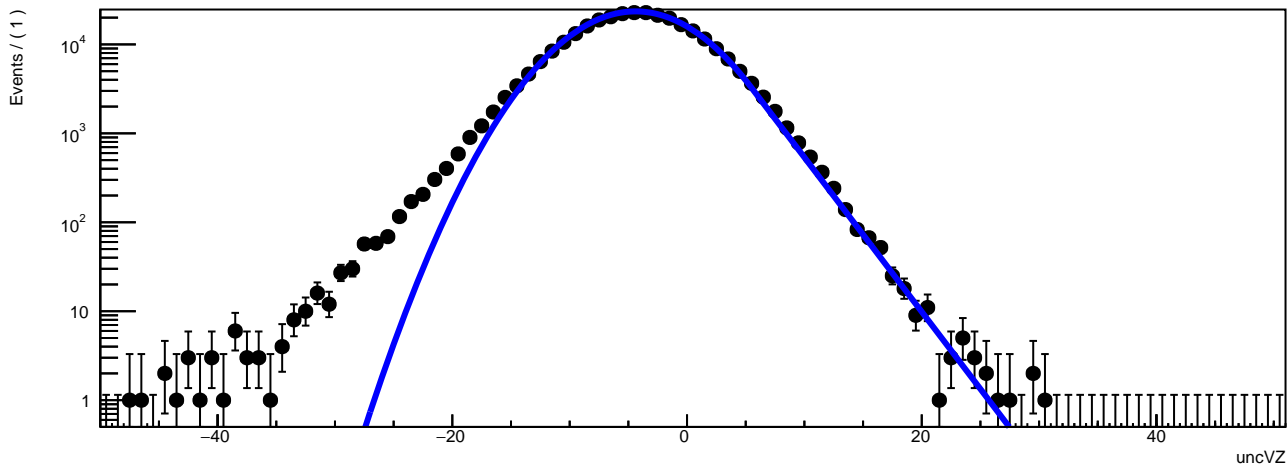
vertex Z, mass 0.0281632653061 +/- 0.00248705684915 GeV, zcut 30.477797733 mm



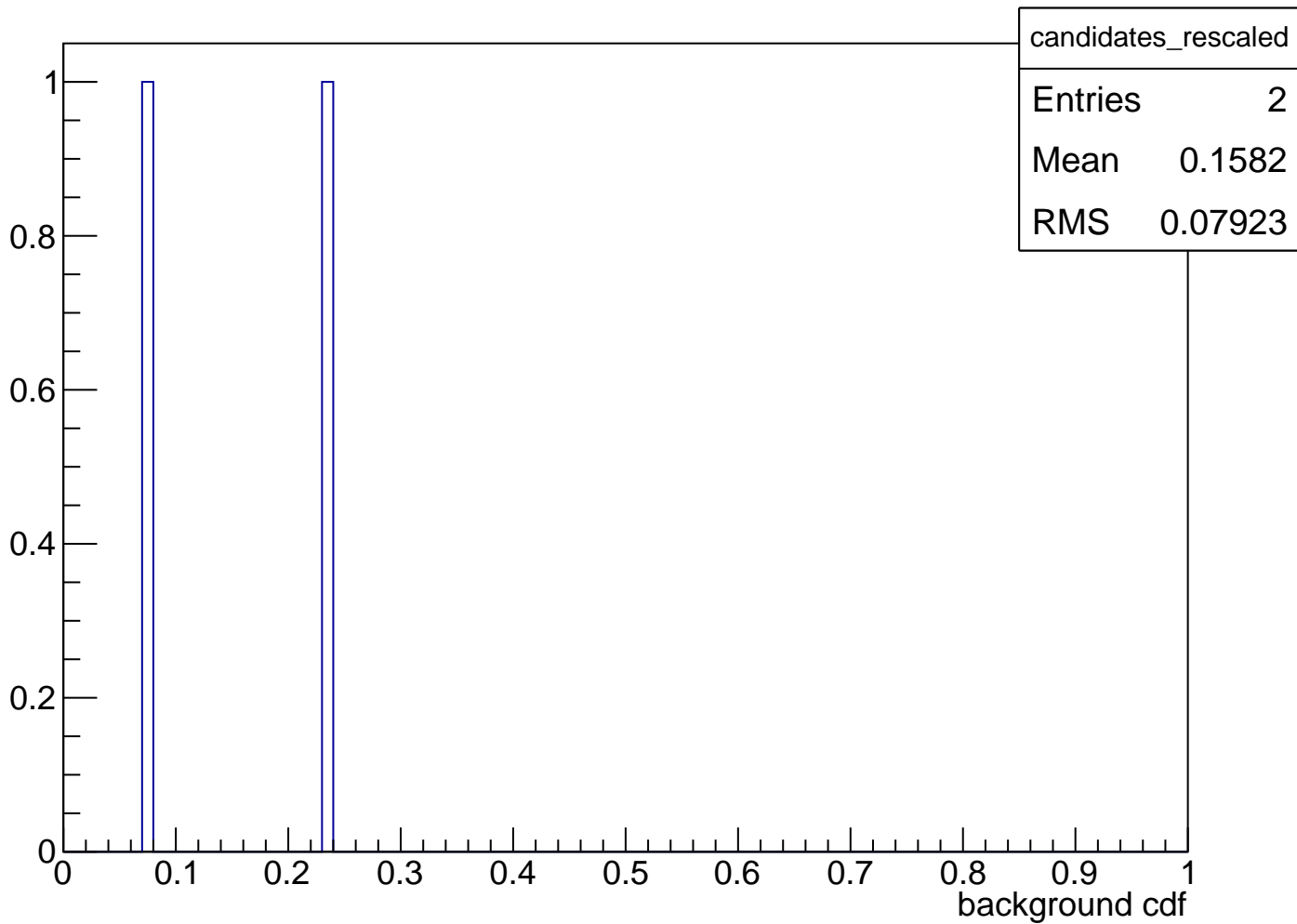
uncM {abs(uncM-0.0289795918367)<0.0005}



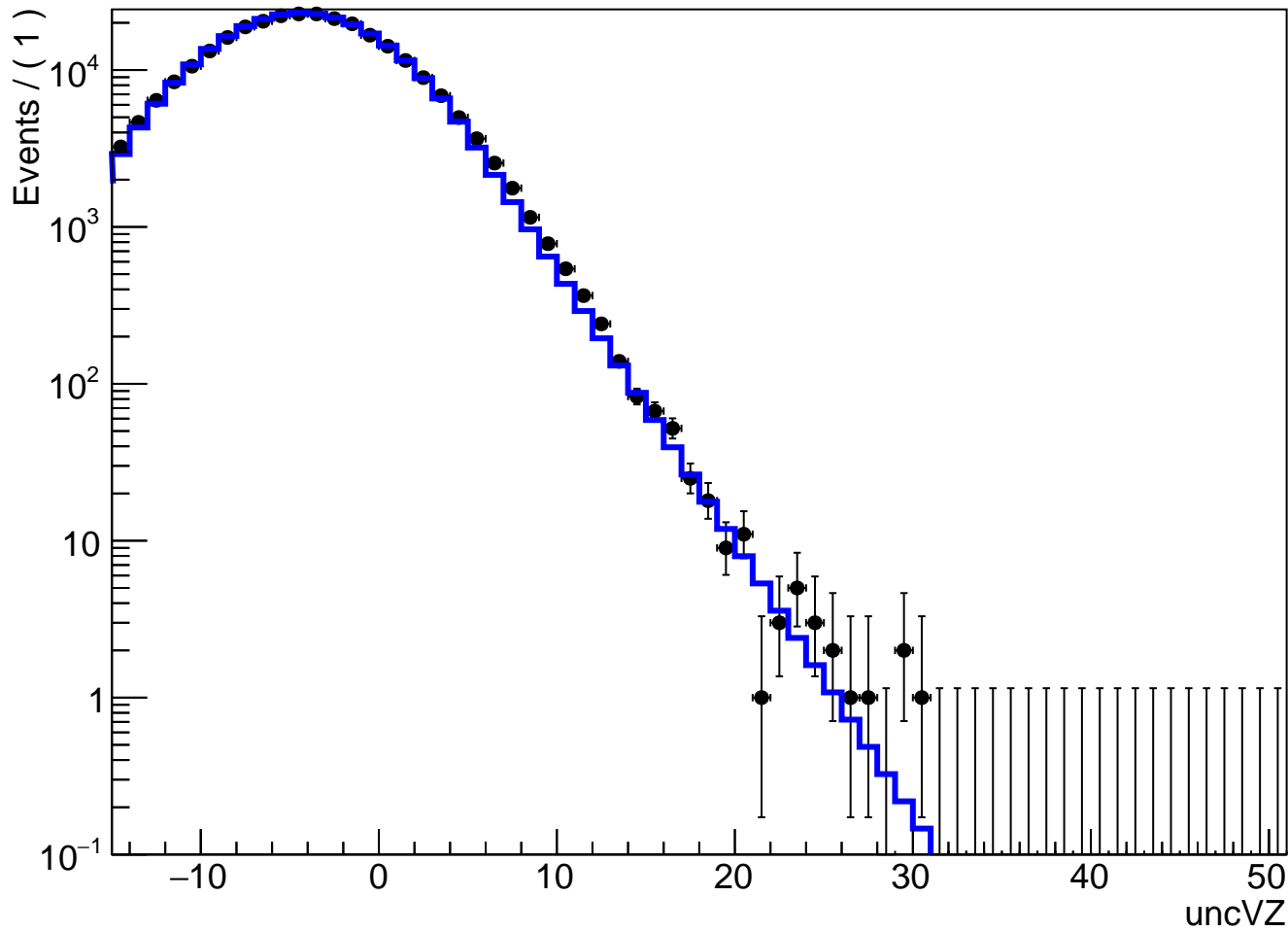
vertex Z, mass 0.0289795918367 +/- 0.00253011880543 GeV, zcut 29.6604072008 mm



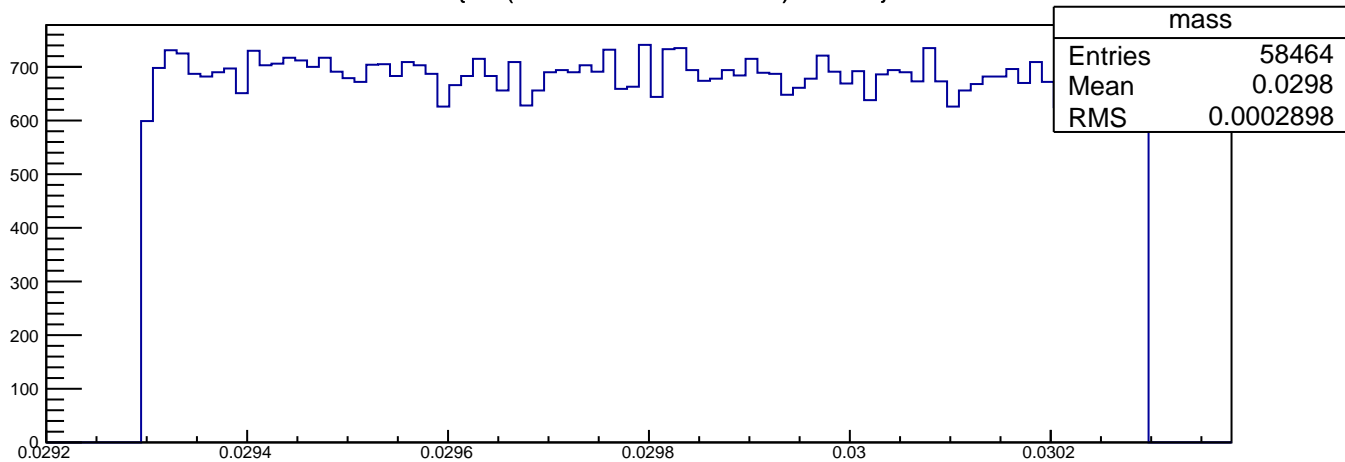
mass 0.0289795918367



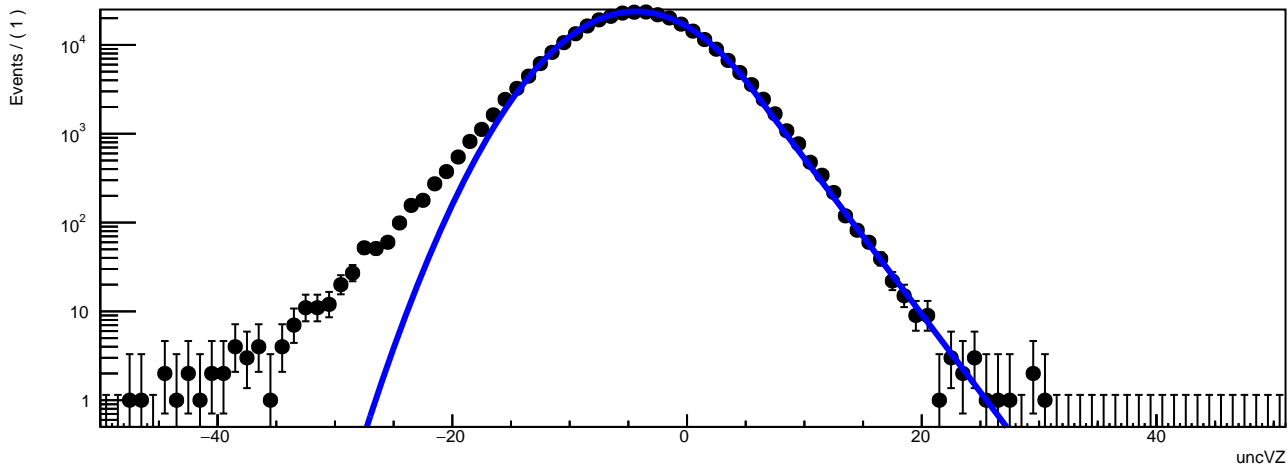
vertex Z, mass $0.0289795918367 \pm 0.00253011880543$ GeV, $z_{\text{cut}} 29.6604072008$ mm



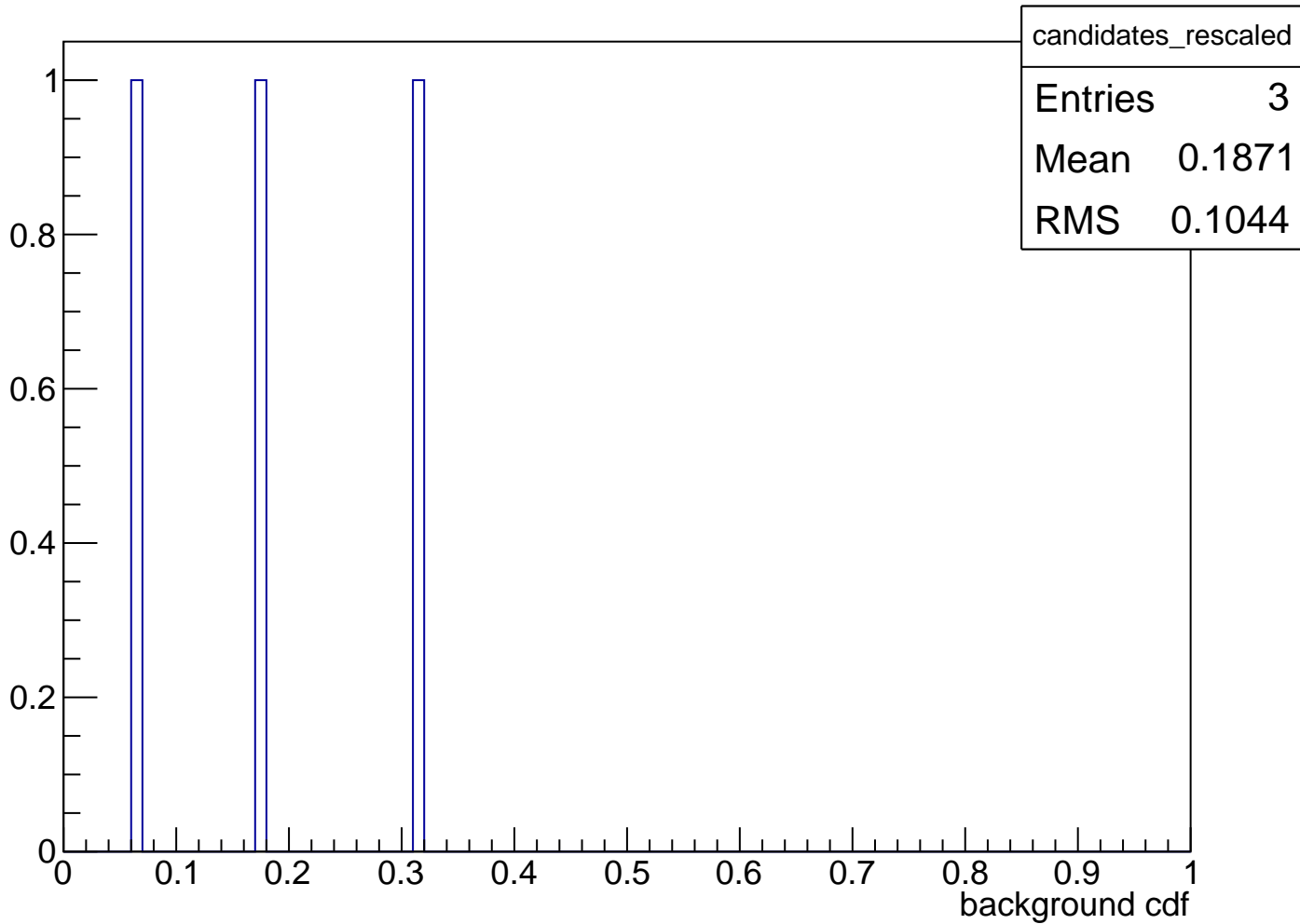
uncM {abs(uncM-0.0297959183673)<0.0005}



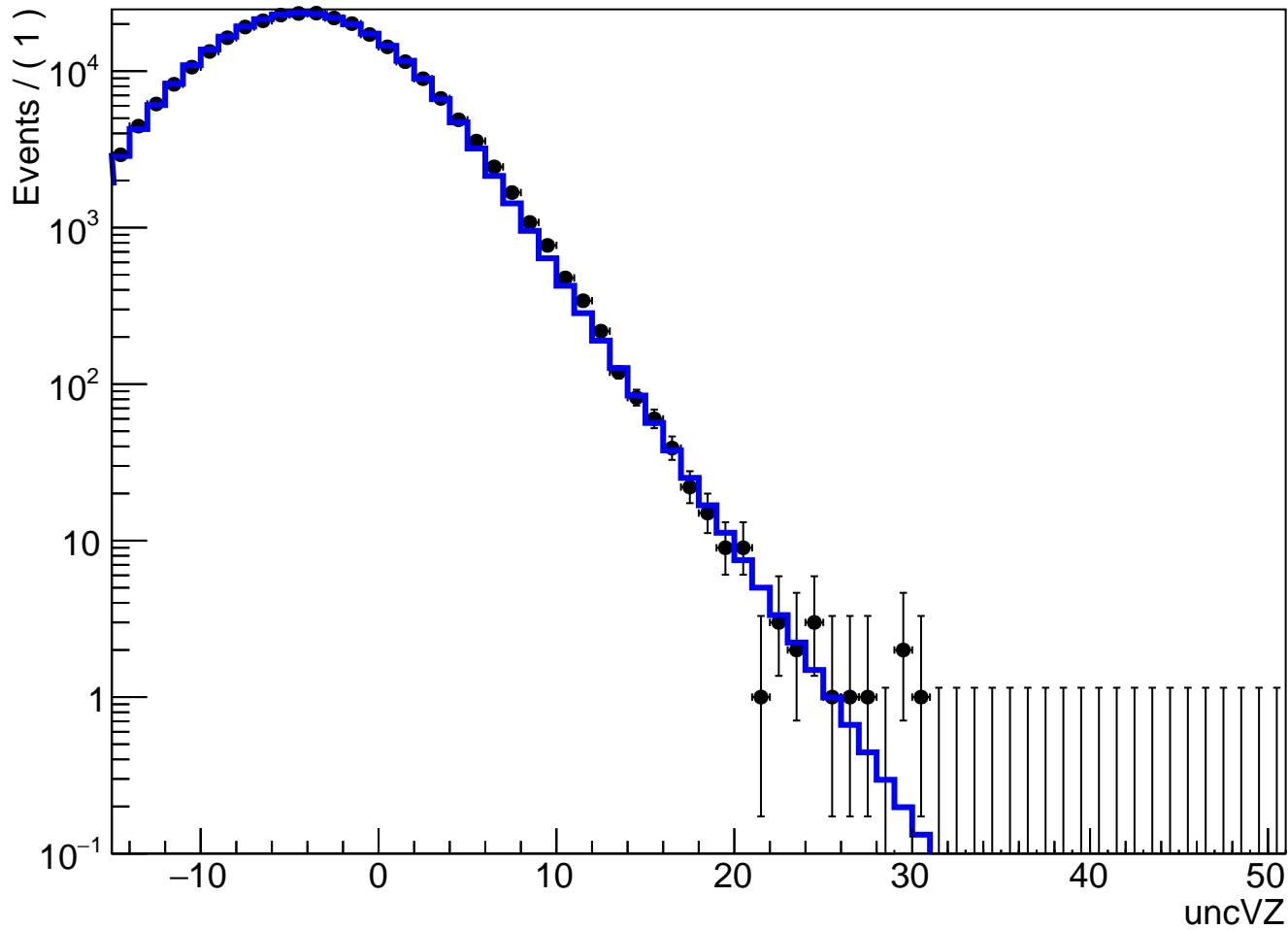
vertex Z, mass 0.0297959183673 +/- 0.00257318076172 GeV, zcut 29.3840637894 mm



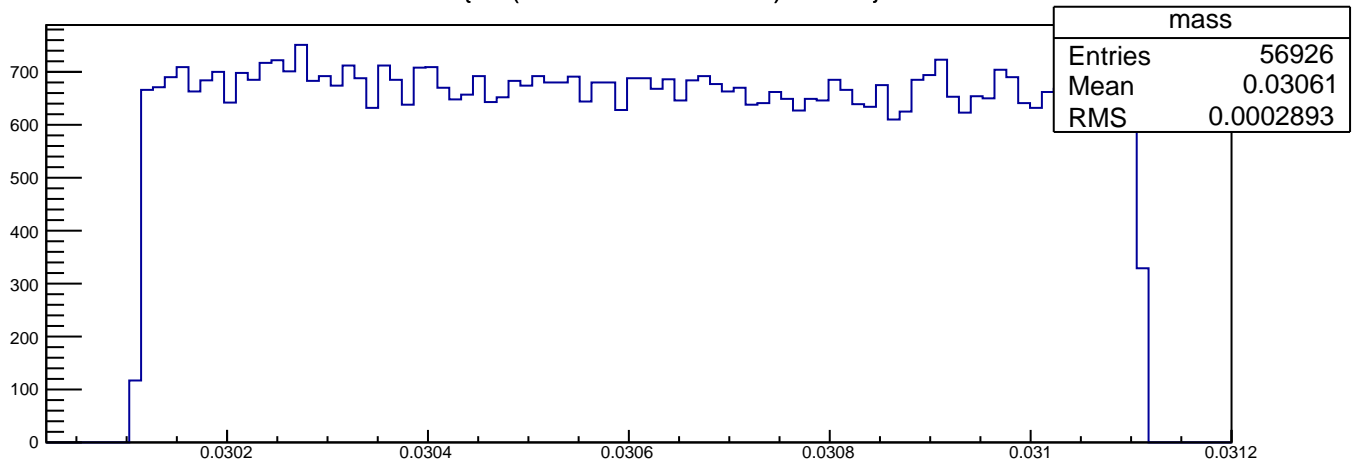
mass 0.0297959183673



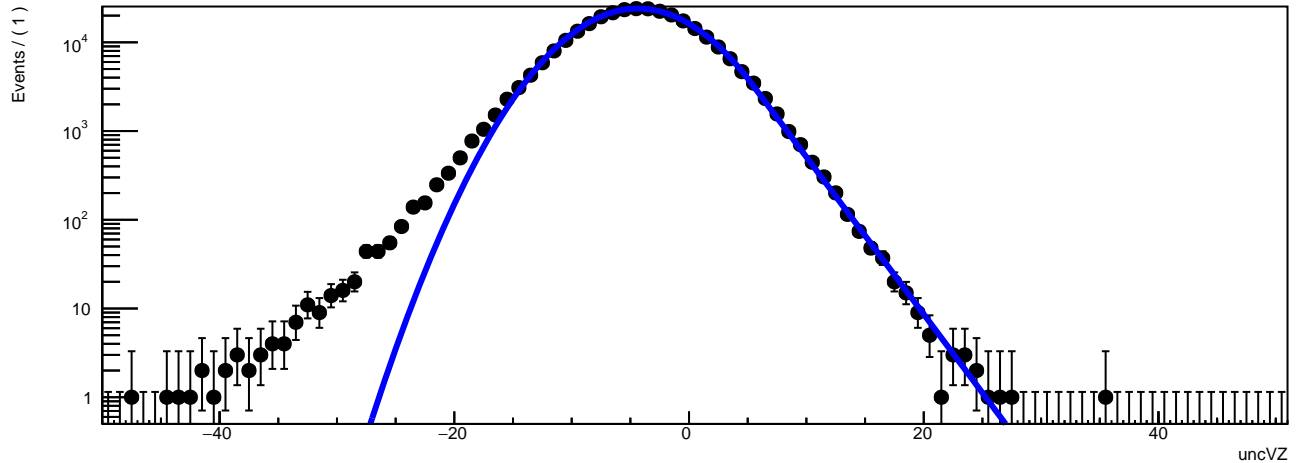
vertex Z, mass $0.0297959183673 \pm 0.00257318076172$ GeV, zcut 29.3840637894 mm



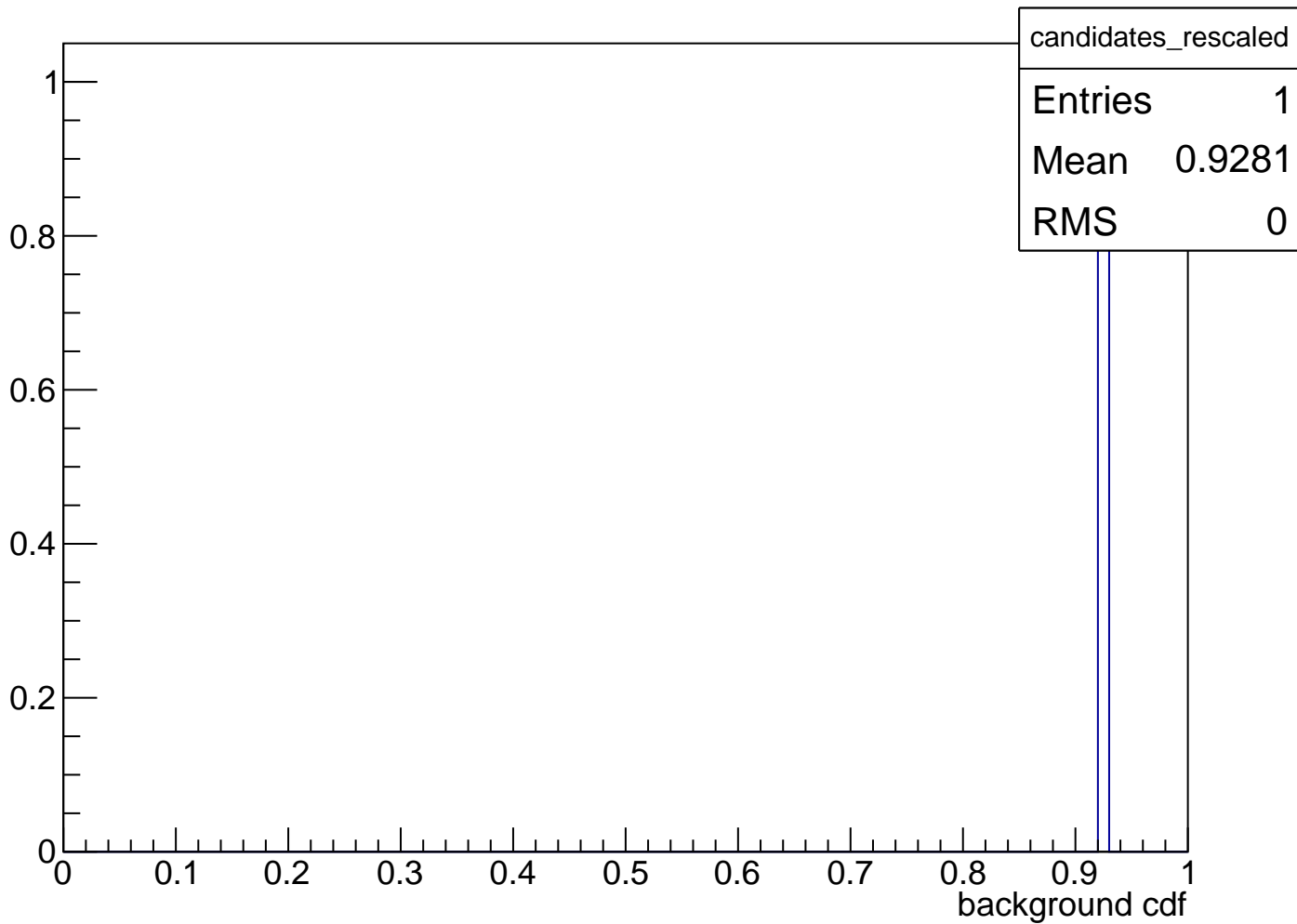
uncM {abs(uncM-0.030612244898)<0.0005}



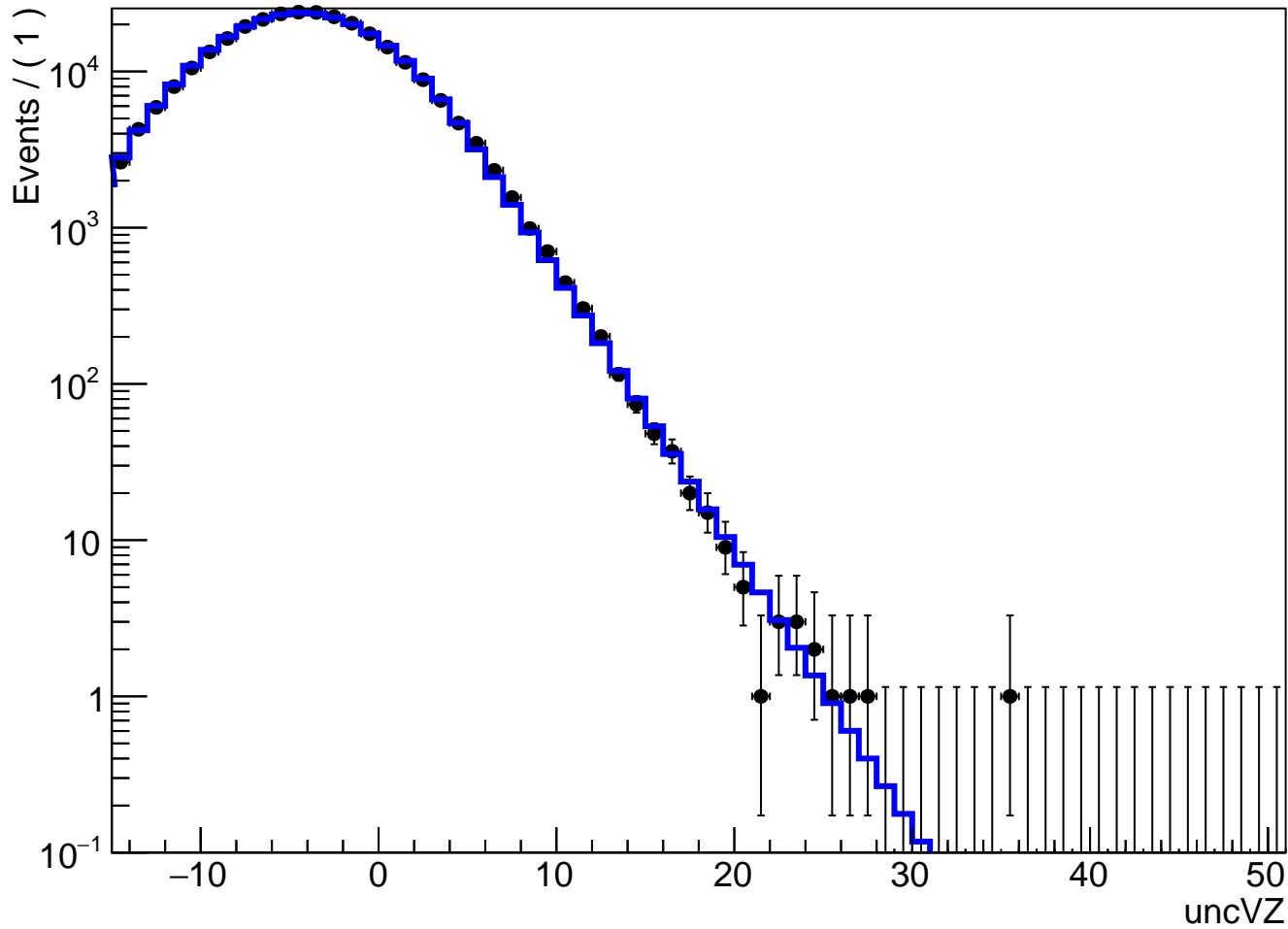
vertex Z, mass 0.030612244898 +/- 0.002616242718 GeV, zcut 29.0816292667 mm



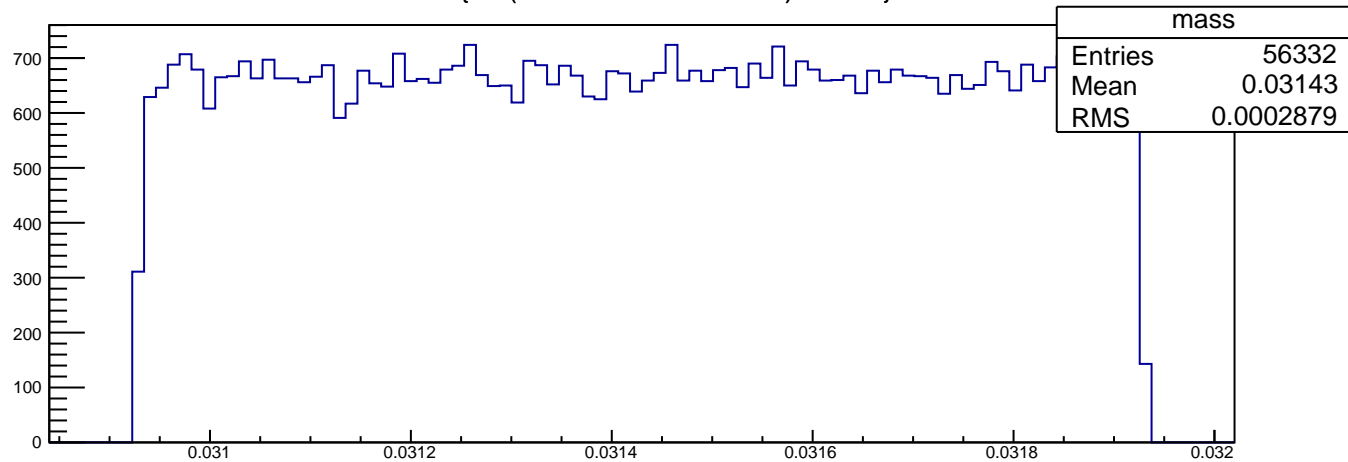
mass 0.030612244898



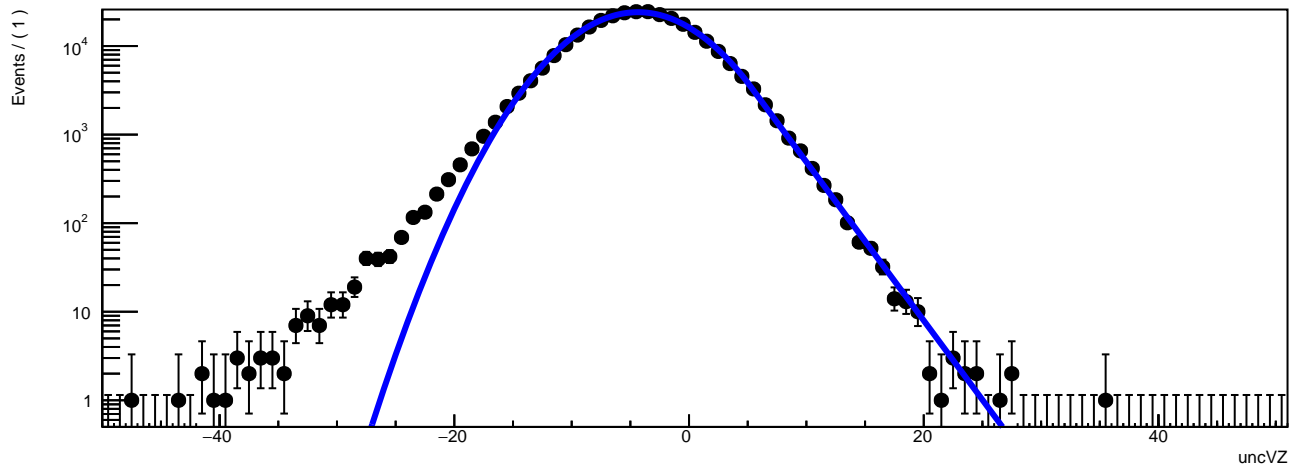
vertex Z, mass $0.030612244898 \pm 0.002616242718$ GeV, zcut 29.0816292667 mm



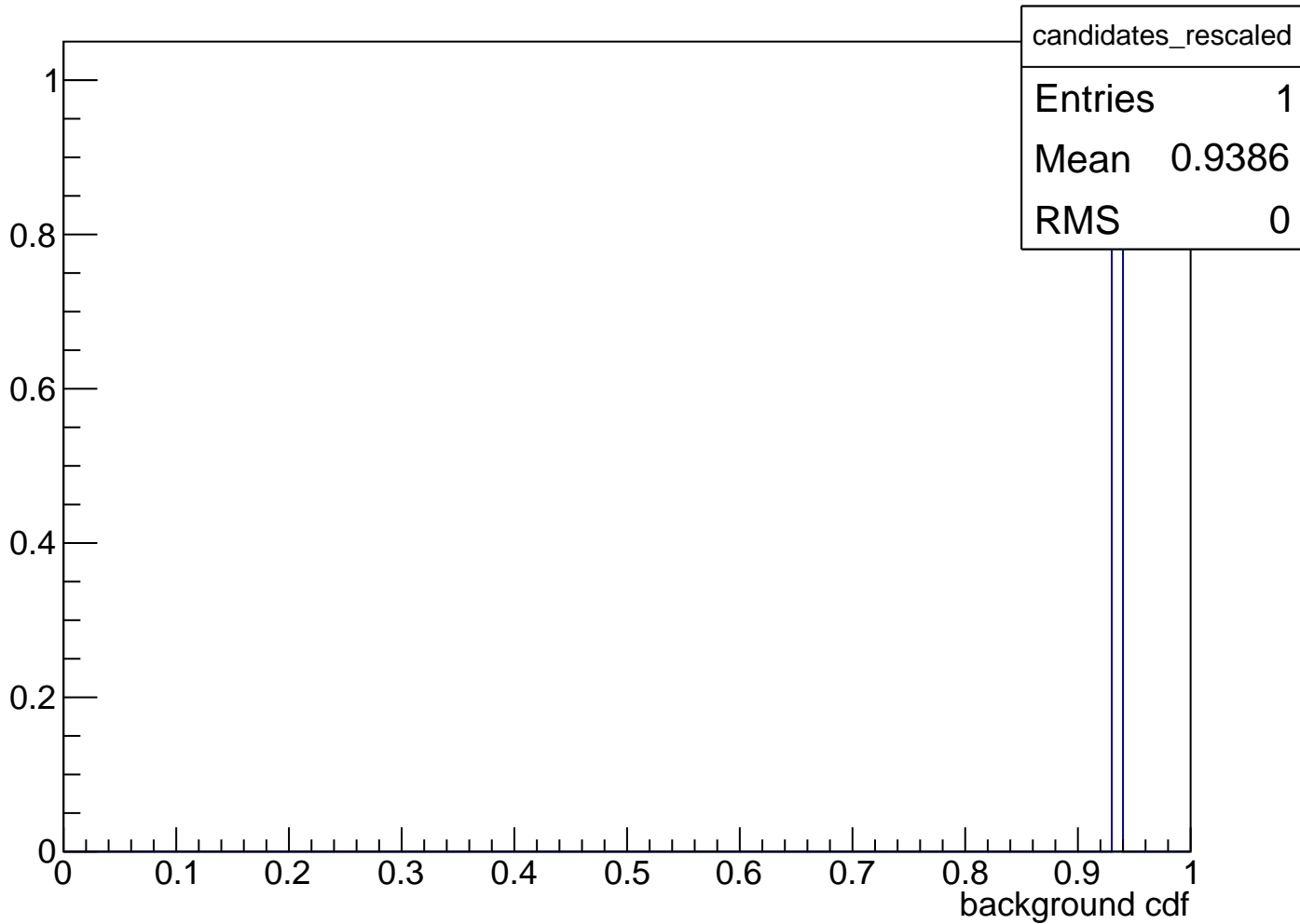
uncM {abs(uncM-0.0314285714286)<0.0005}



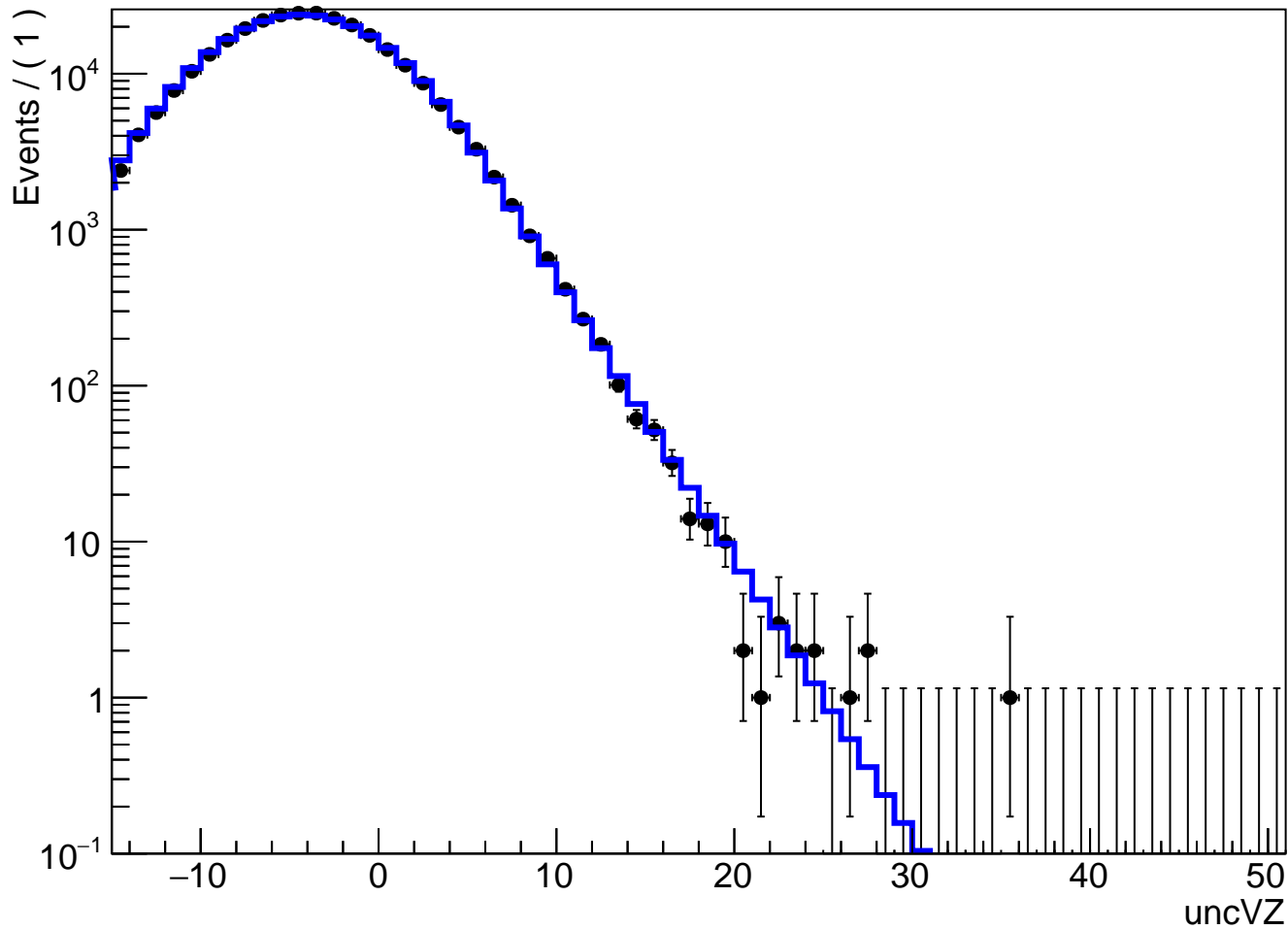
vertex Z, mass 0.0314285714286 +/- 0.00265930467429 GeV, zcut 28.7659090229 mm



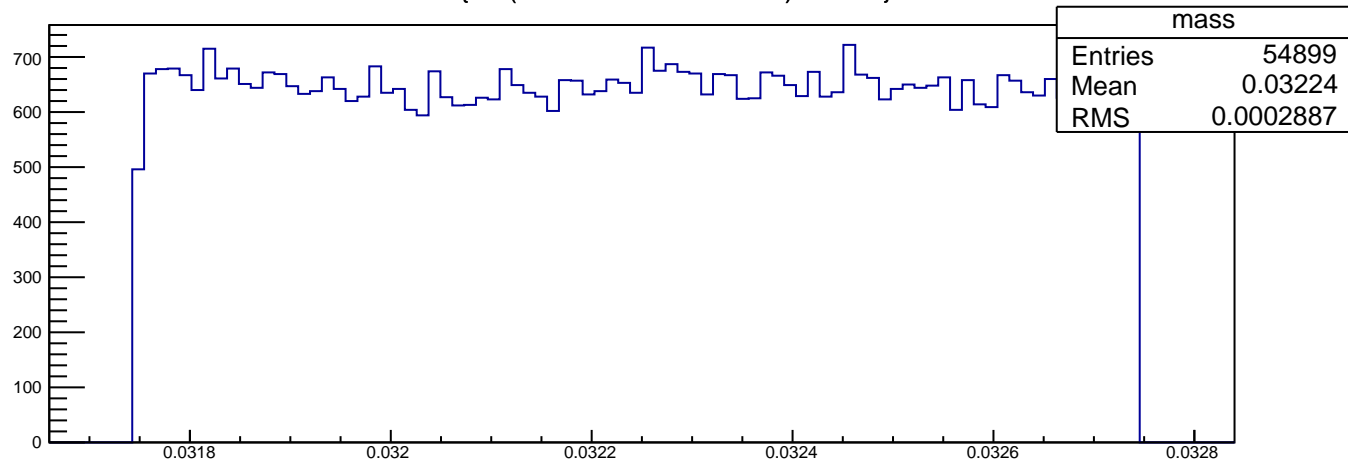
mass 0.0314285714286



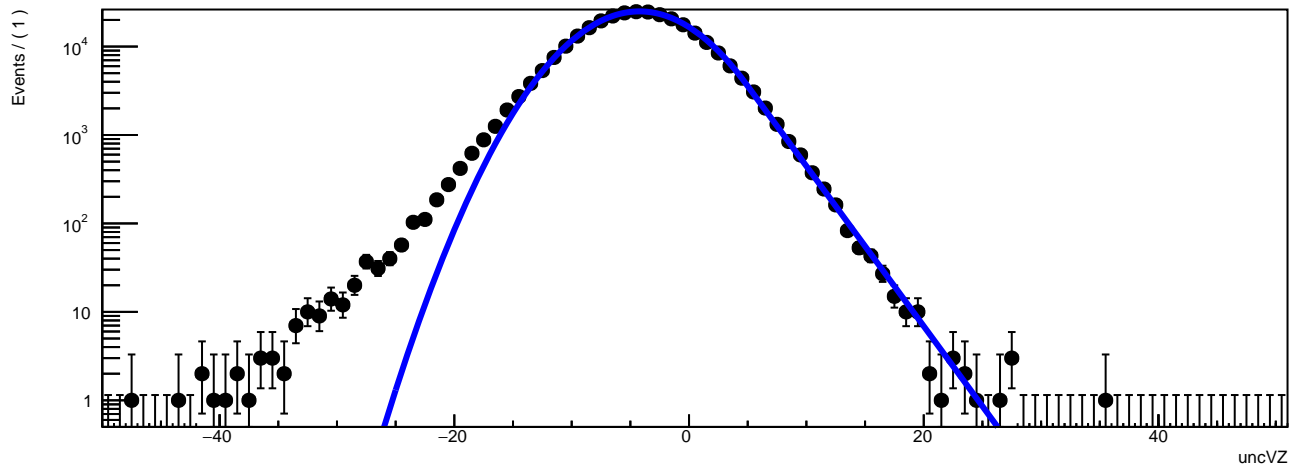
vertex Z, mass $0.0314285714286 \pm 0.00265930467429$ GeV, zcut 28.7659090229 mm



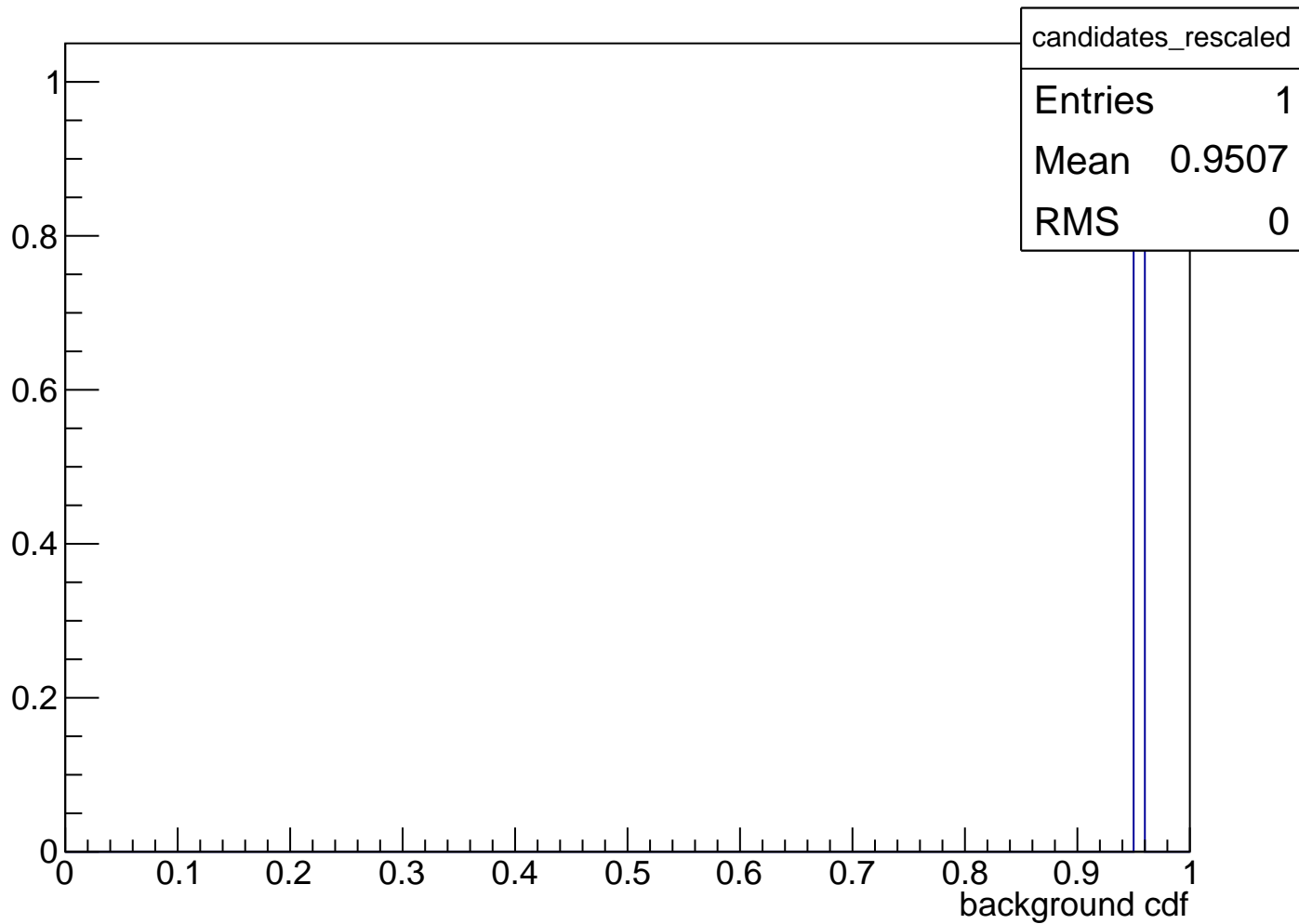
uncM {abs(uncM-0.0322448979592)<0.0005}



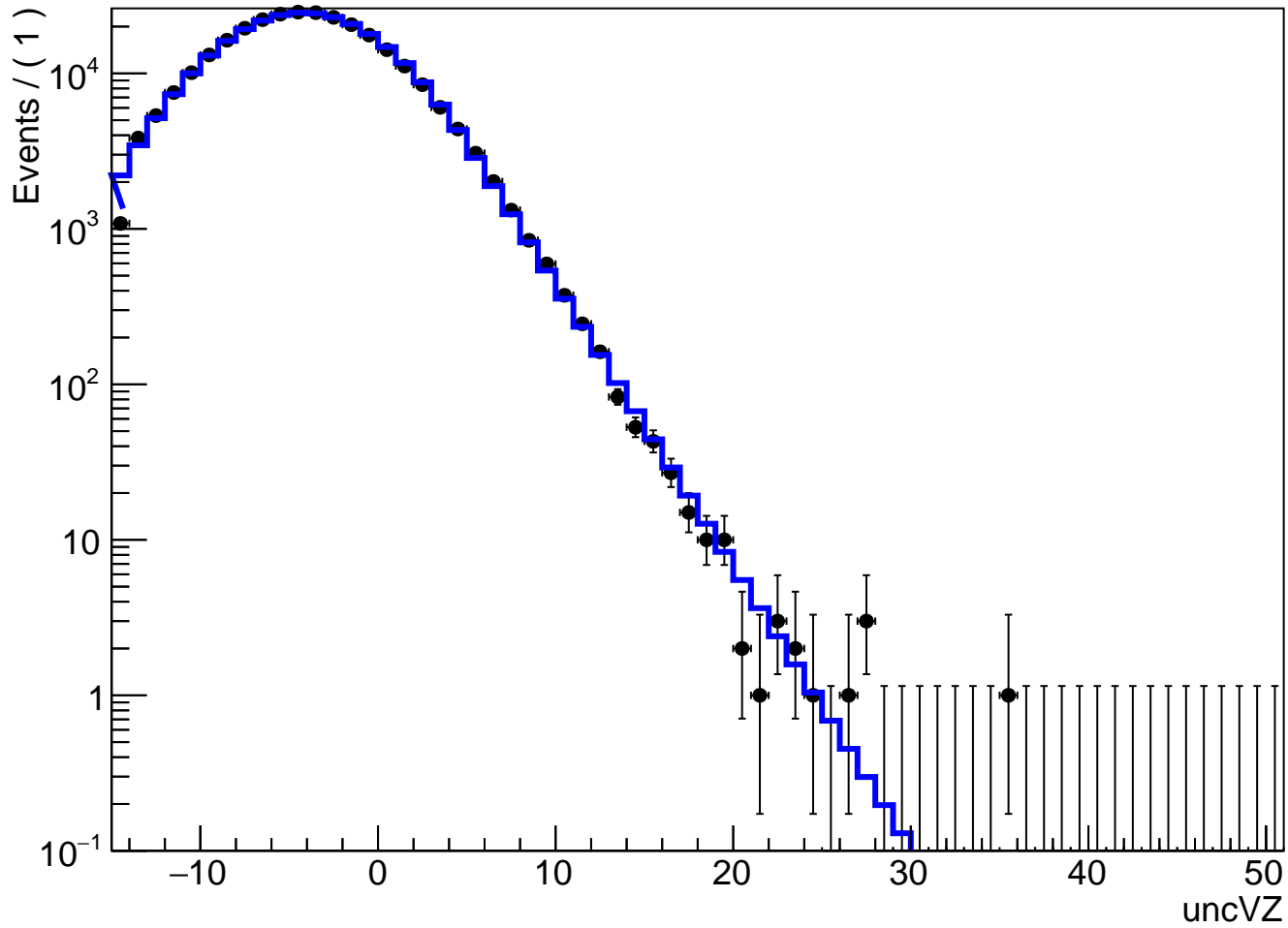
vertex Z, mass 0.0322448979592 +/- 0.00270236663057 GeV, zcut 28.3072895544 mm



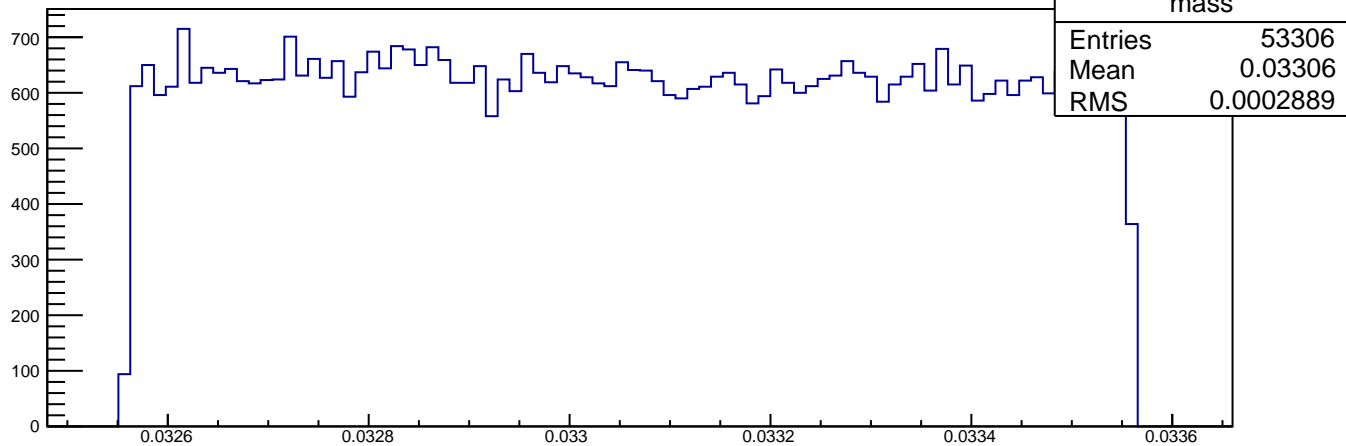
mass 0.0322448979592



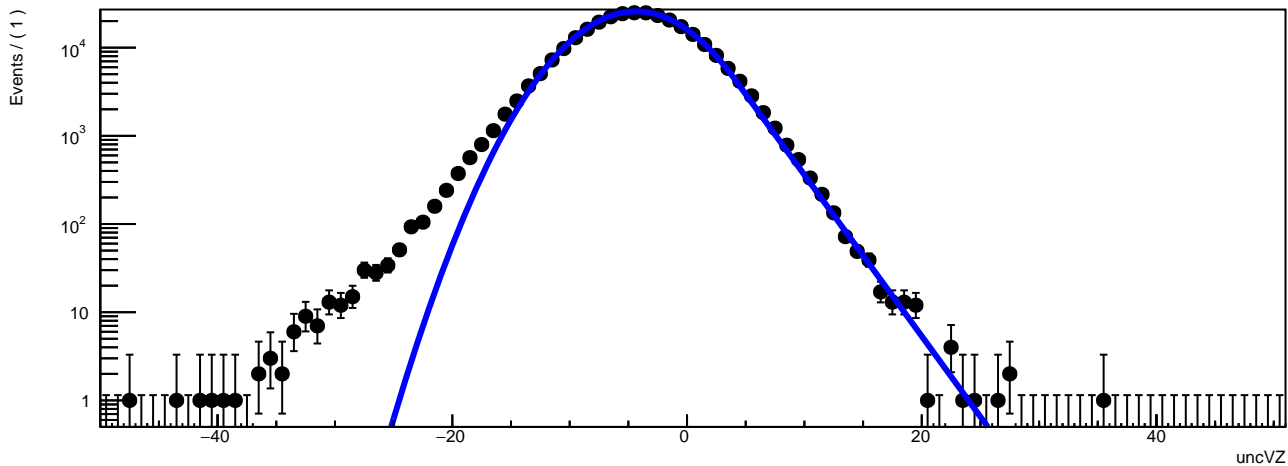
vertex Z, mass $0.0322448979592 \pm 0.00270236663057$ GeV, zcut 28.3072895544 mm



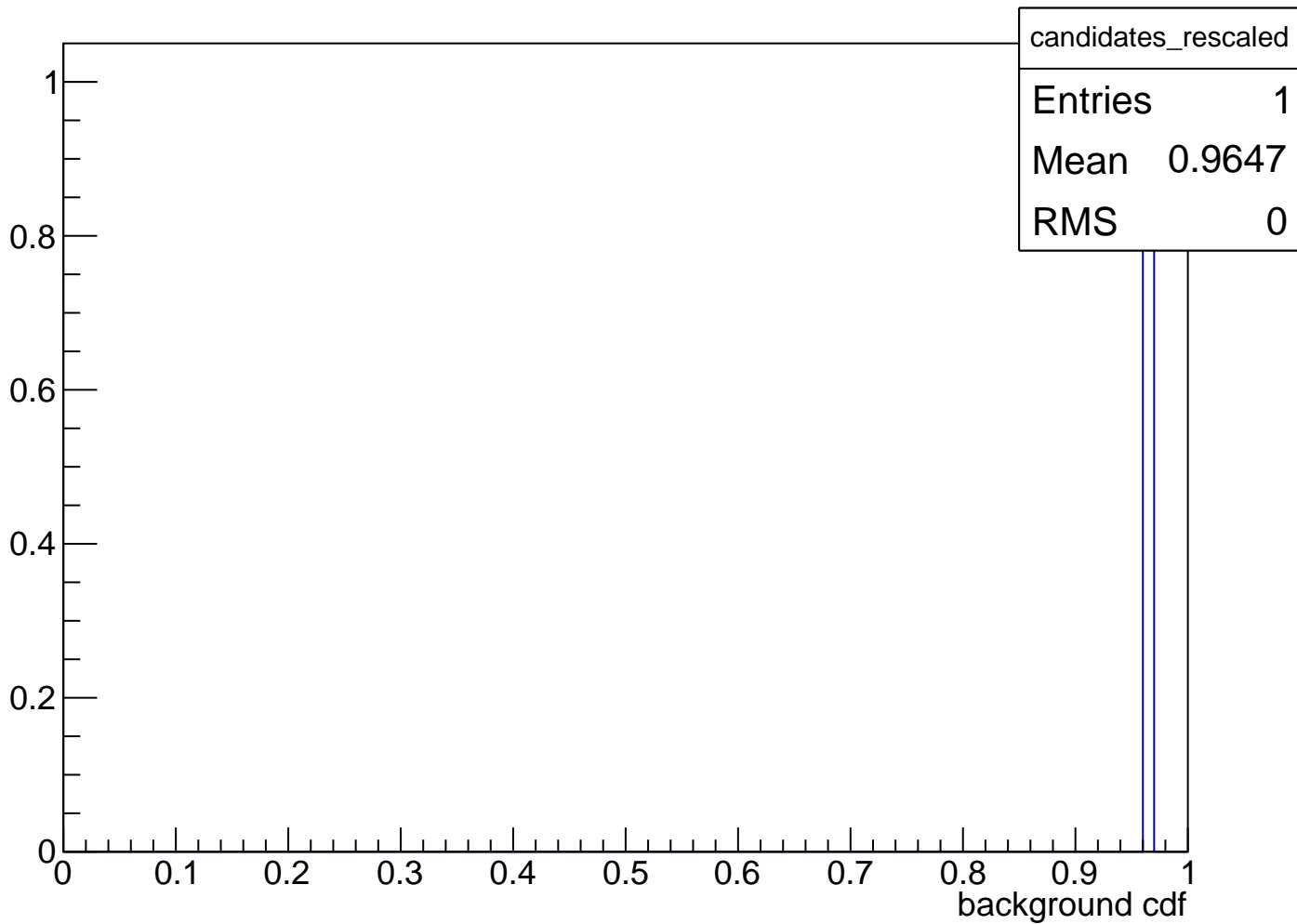
uncM {abs(uncM-0.0330612244898)<0.0005}



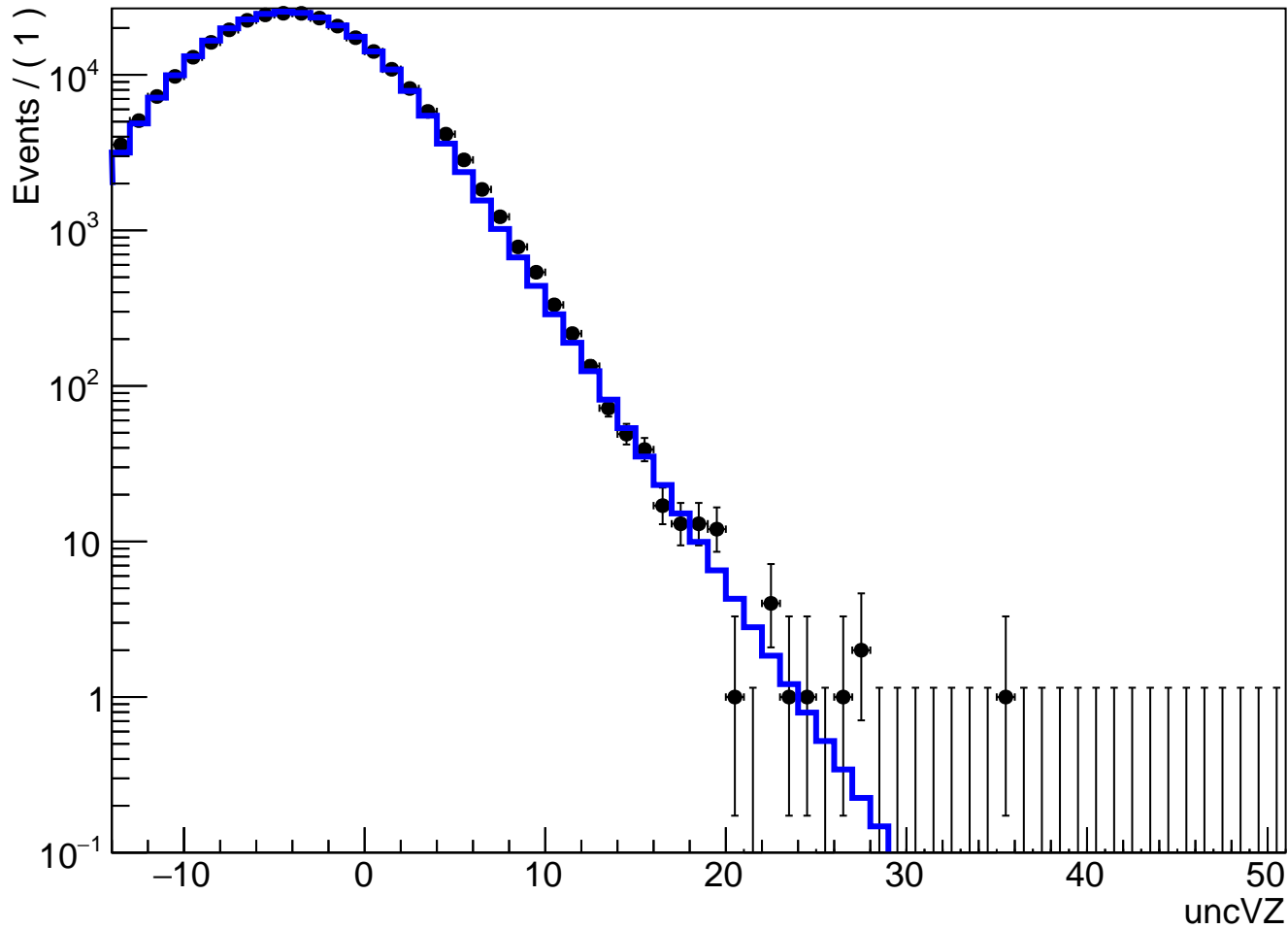
vertex Z, mass 0.0330612244898 +/- 0.00274542858686 GeV, zcut 27.5910914945 mm



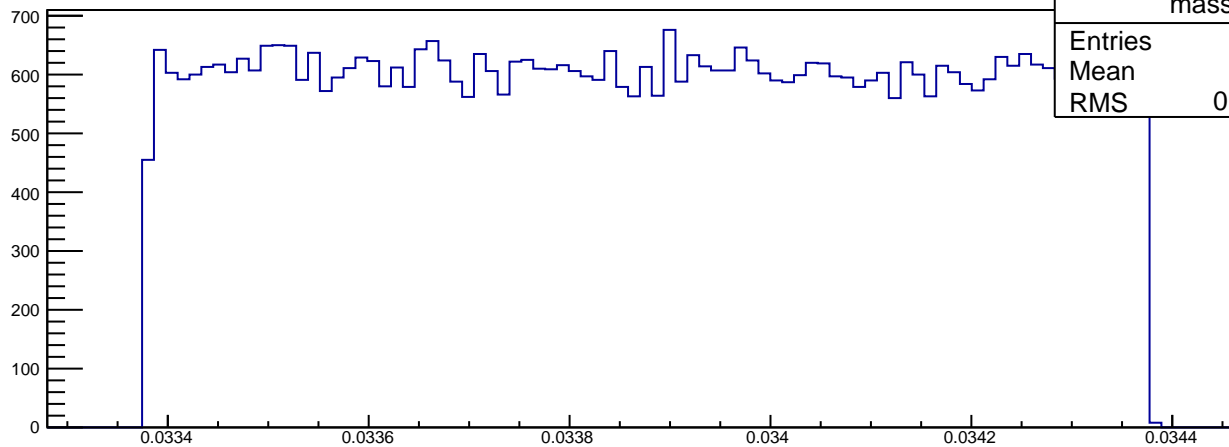
mass 0.0330612244898



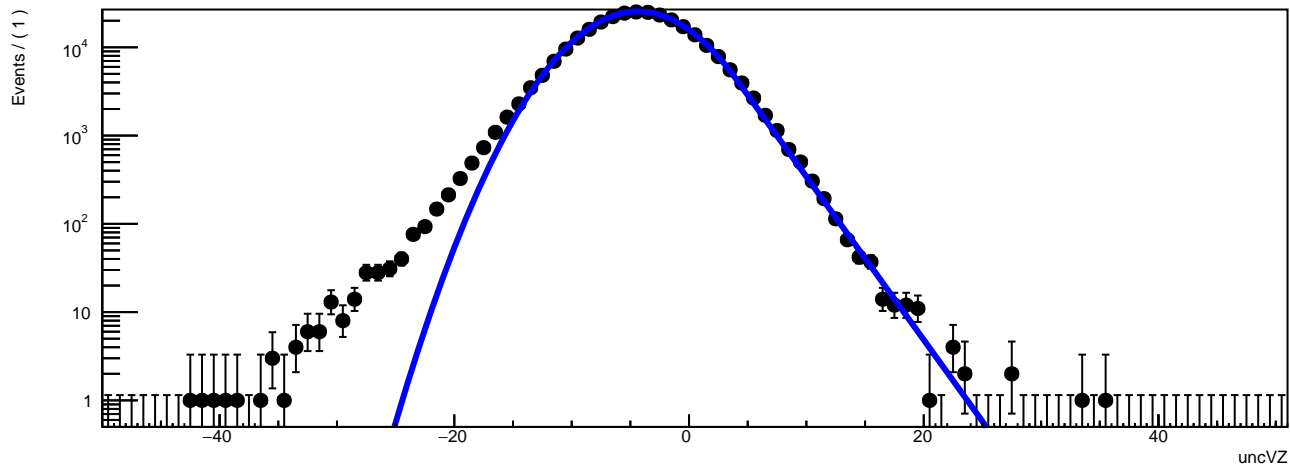
vertex Z, mass 0.0330612244898 +/- 0.00274542858686 GeV, zcut 27.5910914945 mm



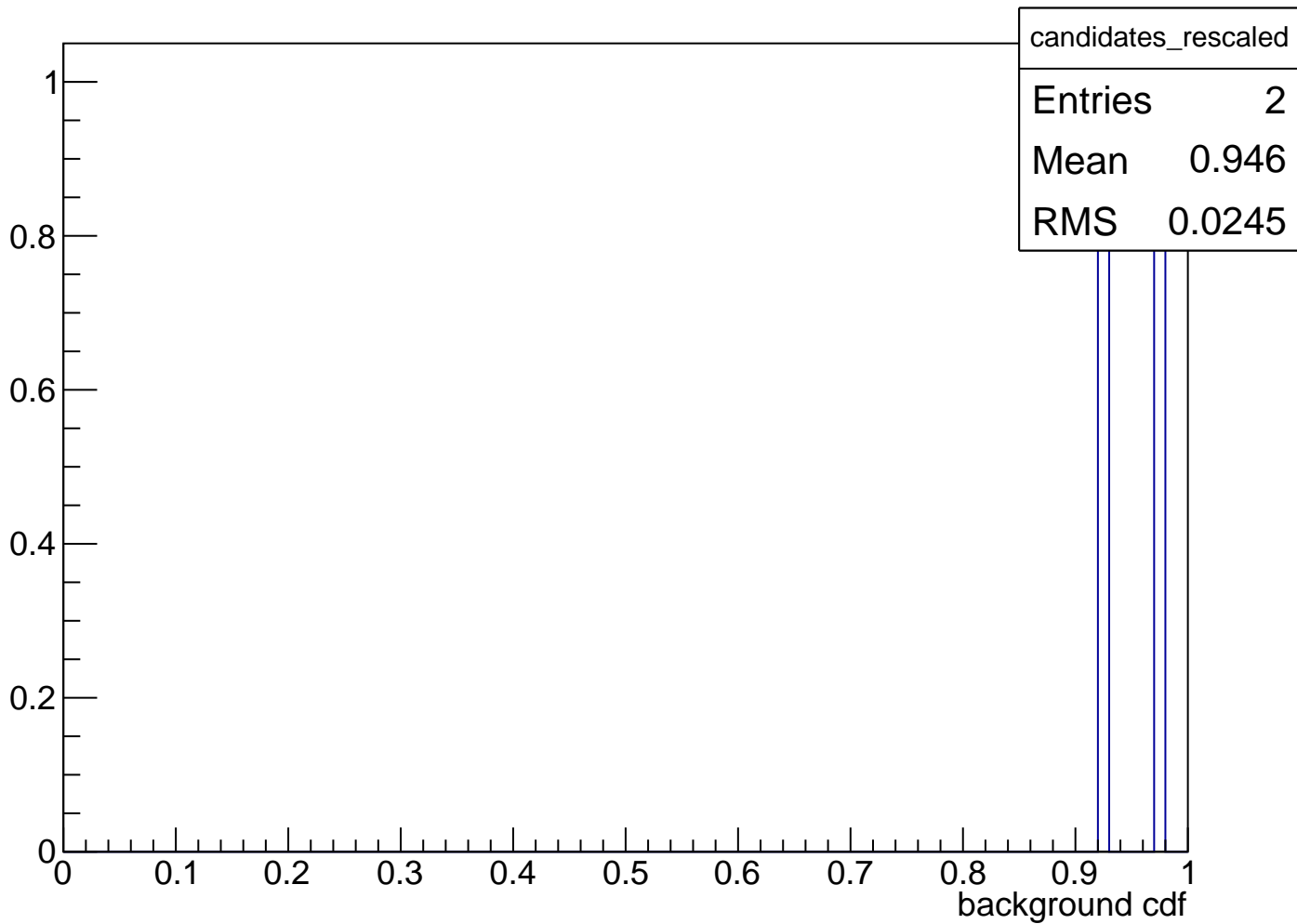
uncM {abs(uncM-0.0338775510204)<0.0005}



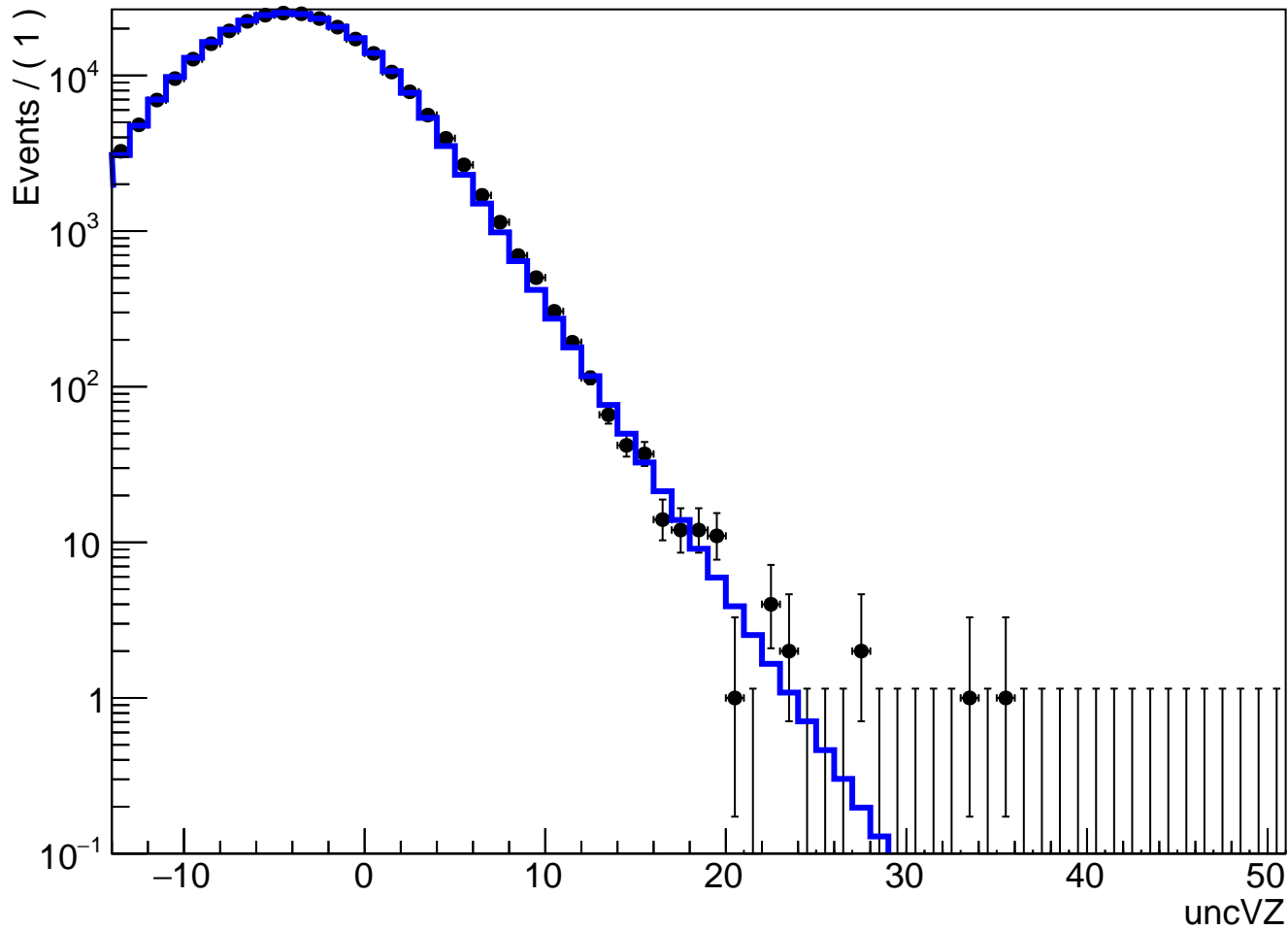
vertex Z, mass 0.0338775510204 +/- 0.00278849054314 GeV, zcut 27.2556802073 mm



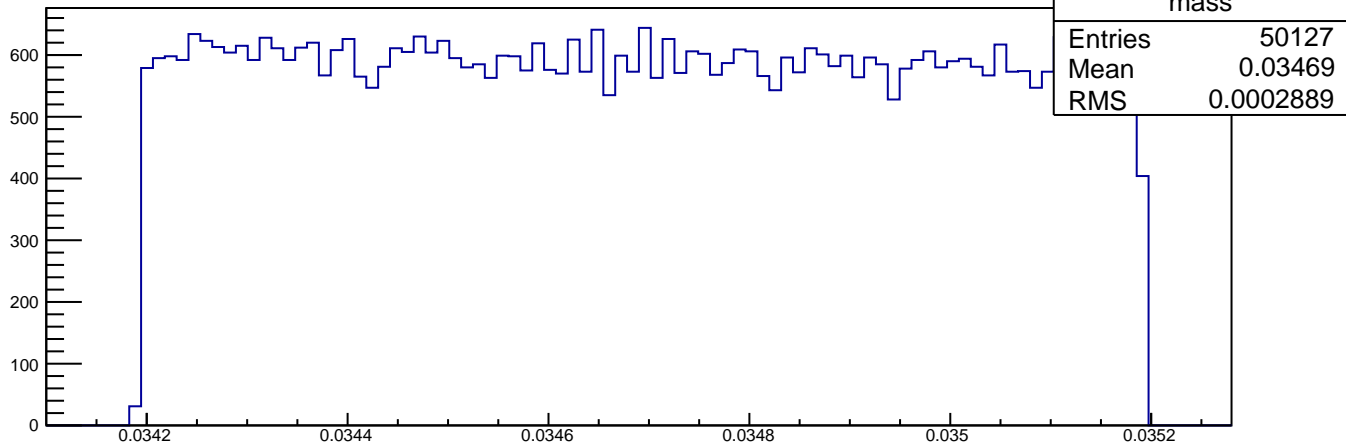
mass 0.0338775510204



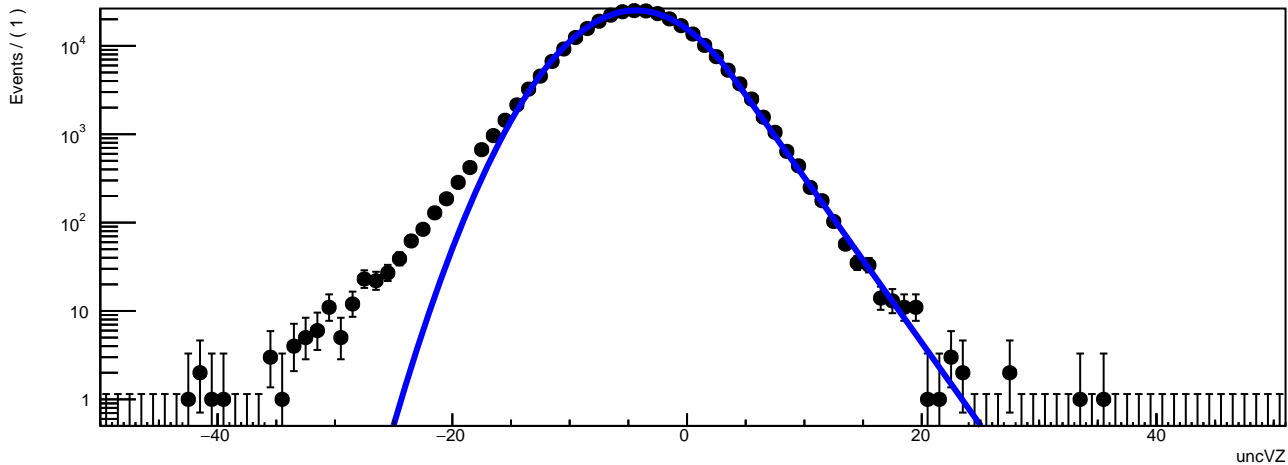
vertex Z, mass $0.0338775510204 \pm 0.00278849054314$ GeV, zcut 27.2556802073 mm



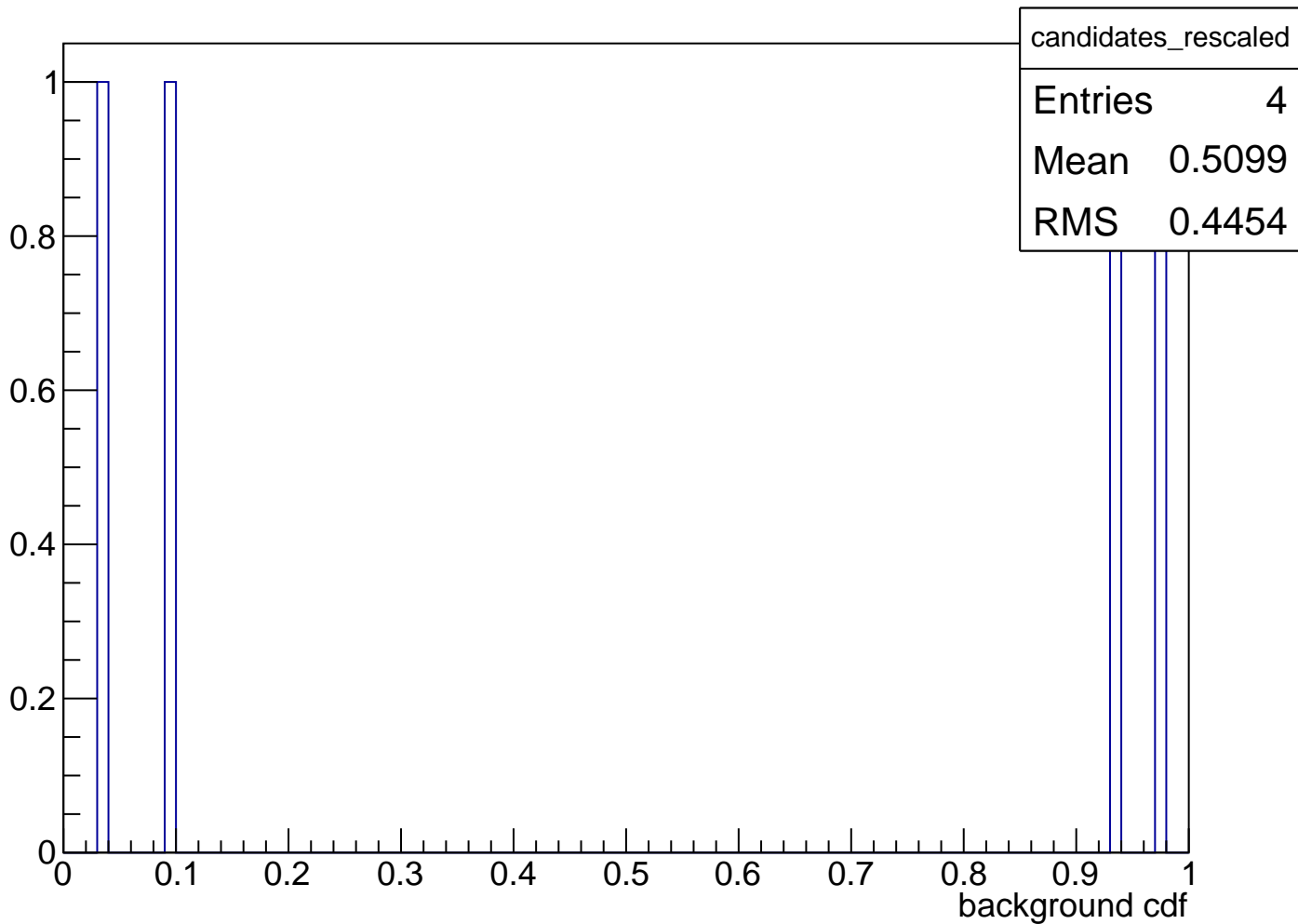
uncM {abs(uncM-0.034693877551)<0.0005}



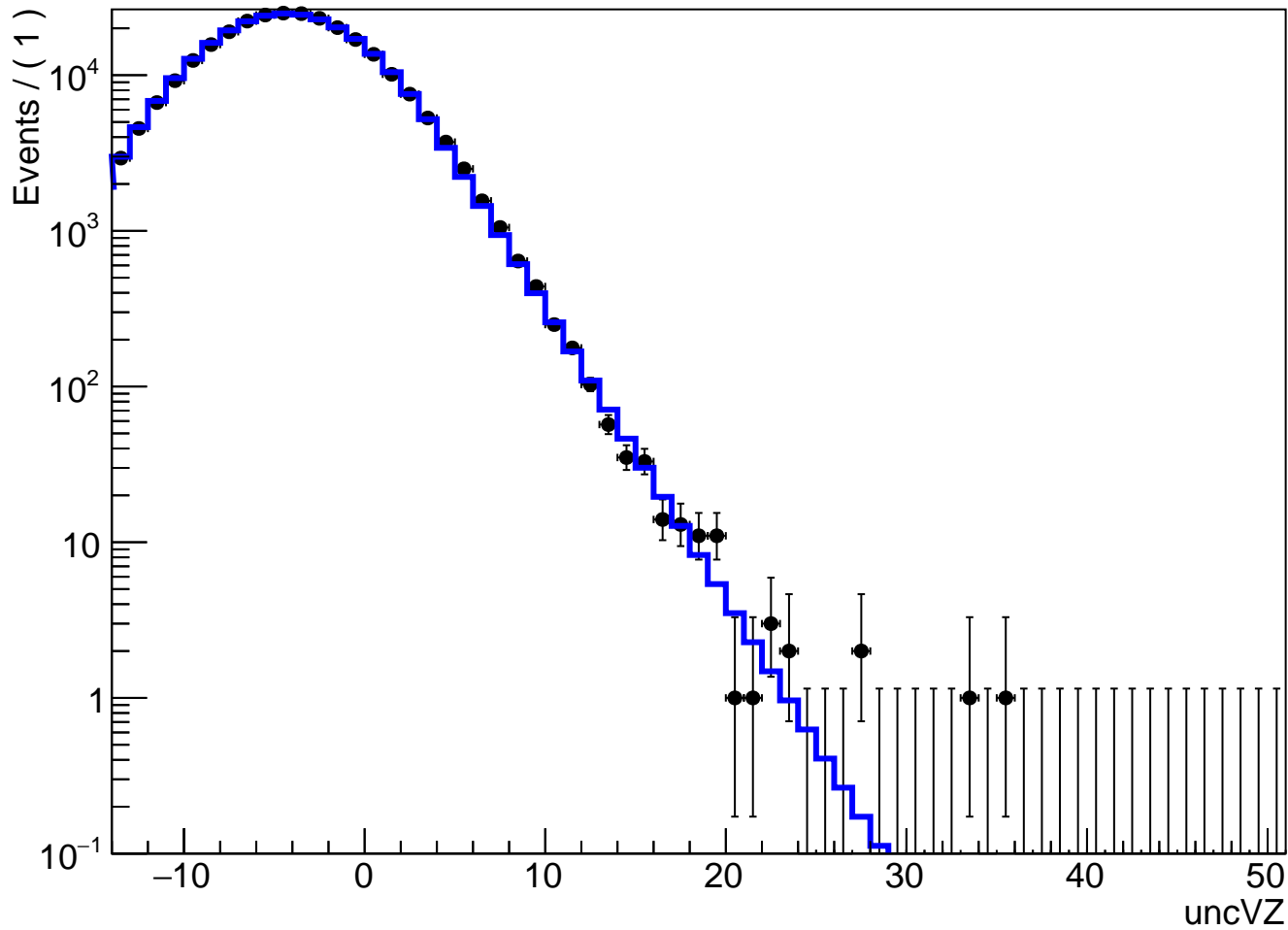
vertex Z, mass 0.034693877551 +/- 0.00283155249942 GeV, zcut 26.9166334977 mm



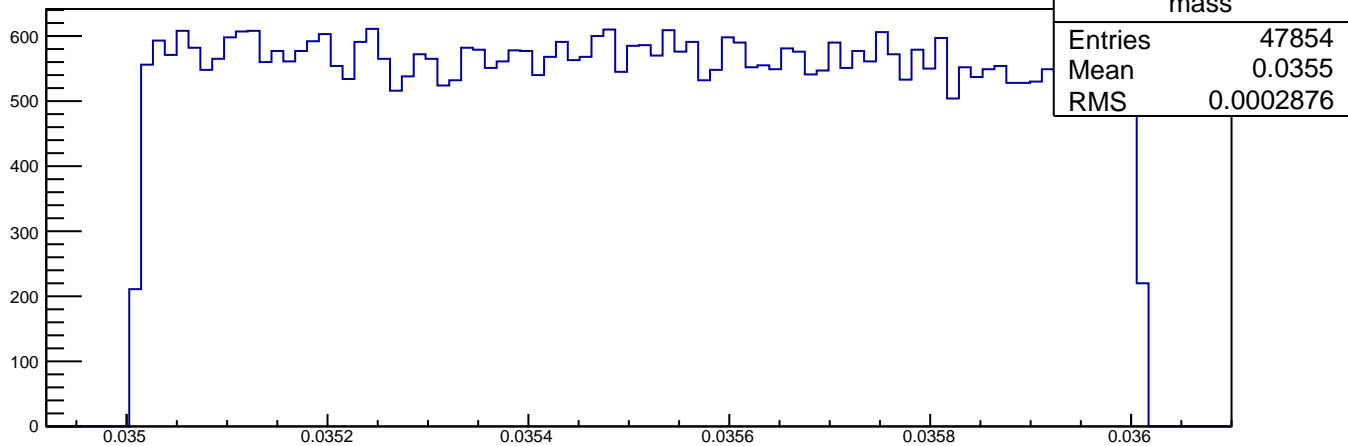
mass 0.034693877551



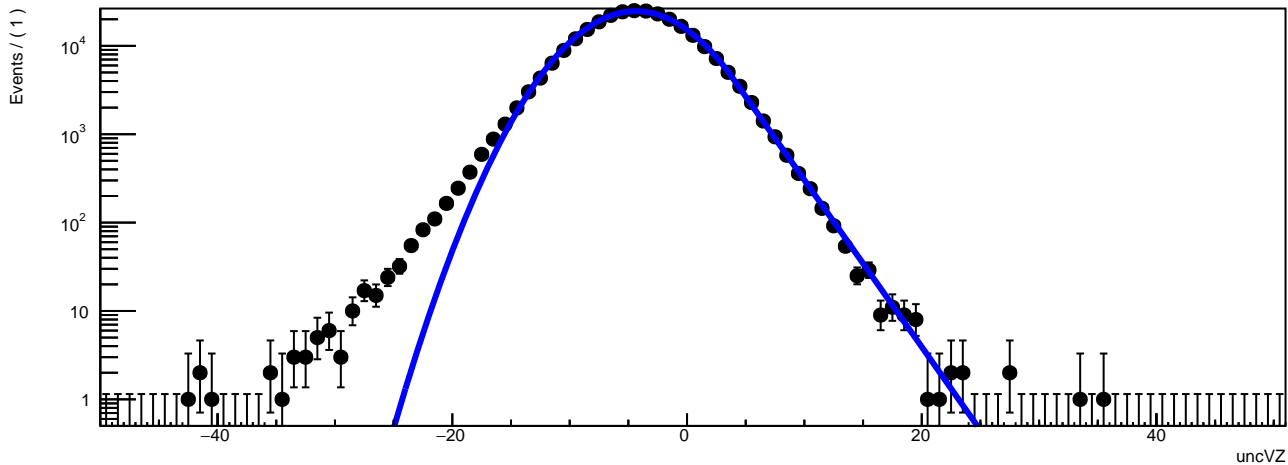
vertex Z, mass 0.034693877551 +/- 0.00283155249942 GeV, zcut 26.9166334977 mm



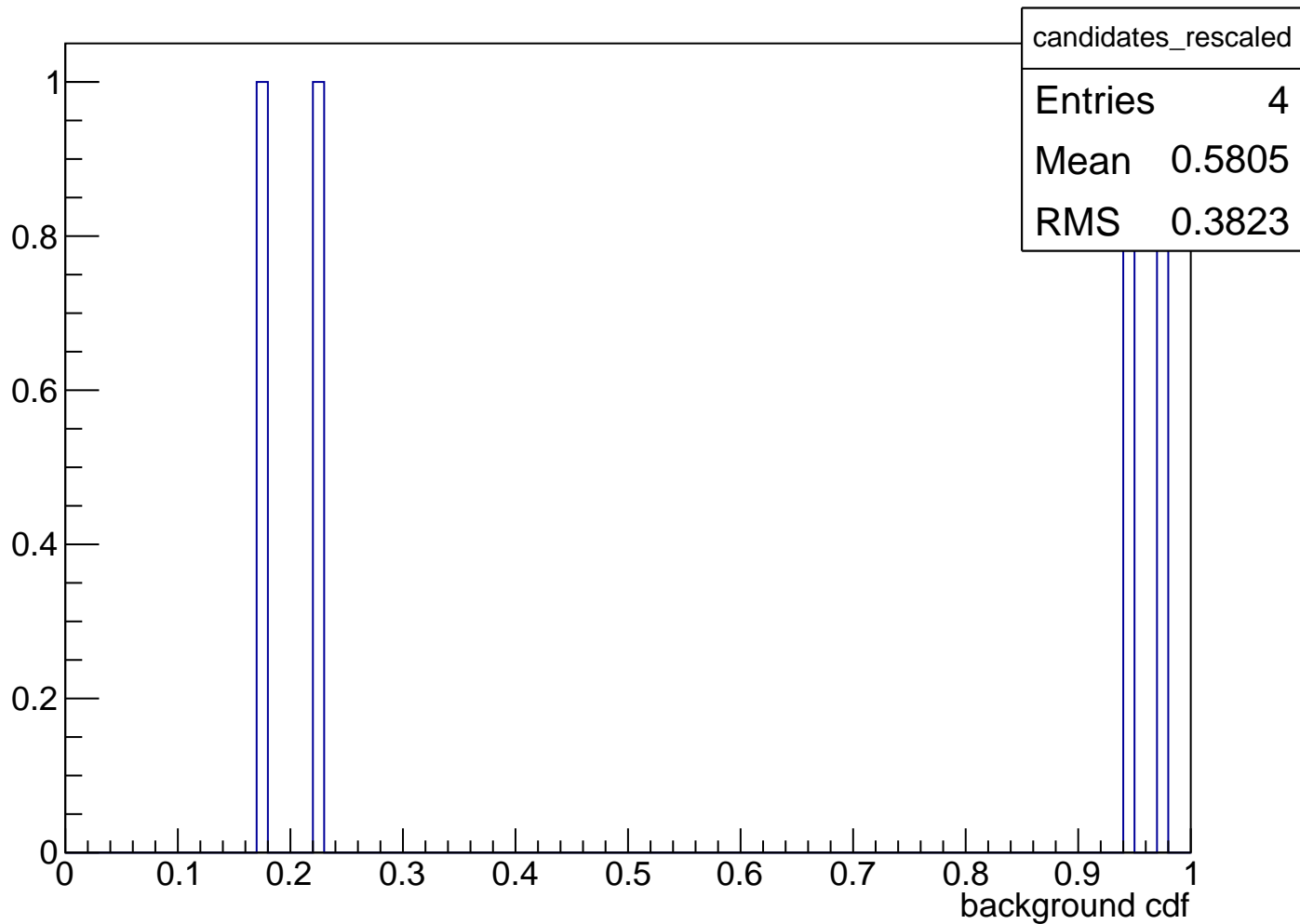
uncM {abs(uncM-0.0355102040816)<0.0005}



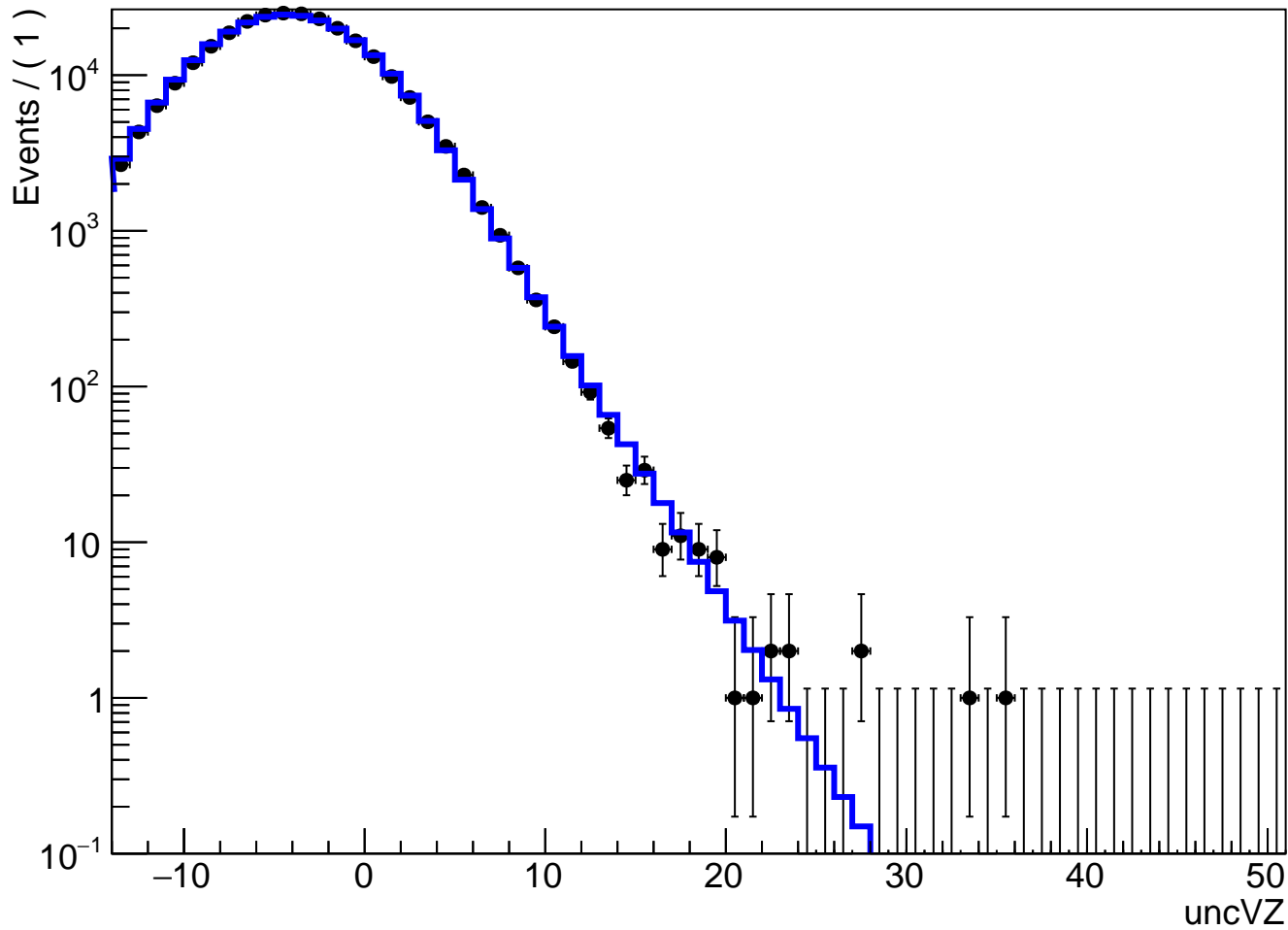
vertex Z, mass 0.0355102040816 +/- 0.00287461445571 GeV, zcut 26.5634963159 mm



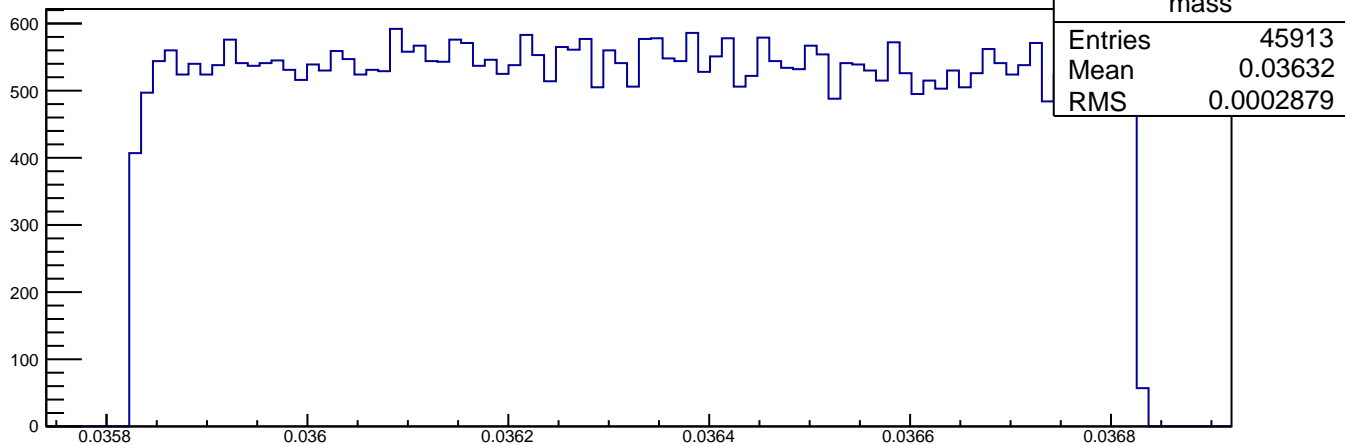
mass 0.0355102040816



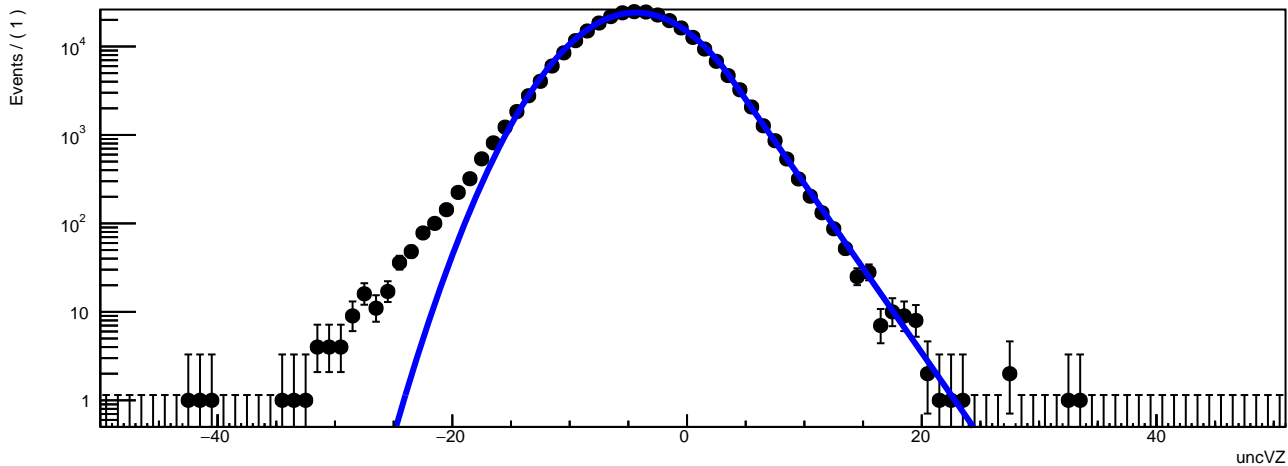
vertex Z, mass 0.0355102040816 +/- 0.00287461445571 GeV, zcut 26.5634963159 mm



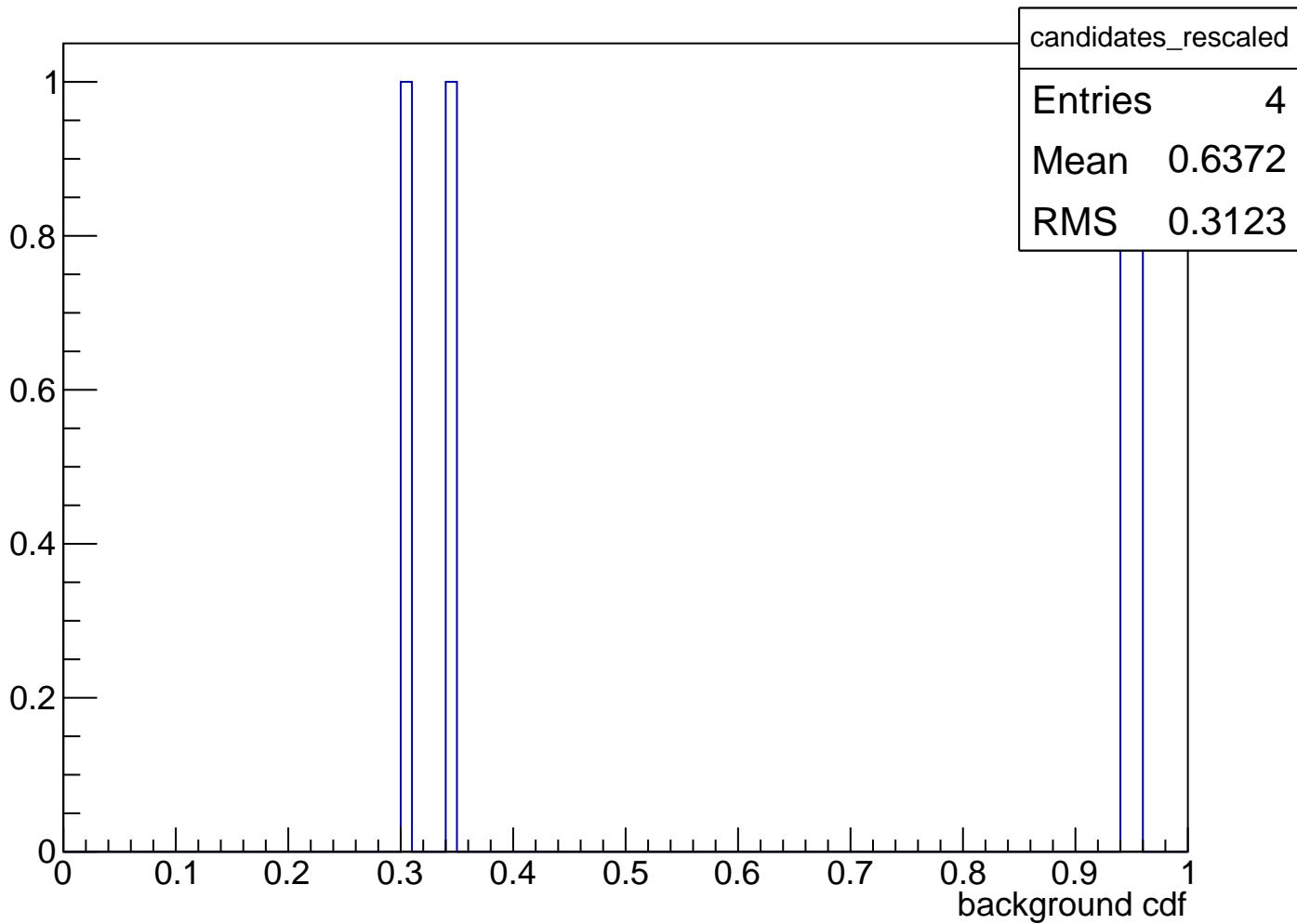
uncM {abs(uncM-0.0363265306122)<0.0005}



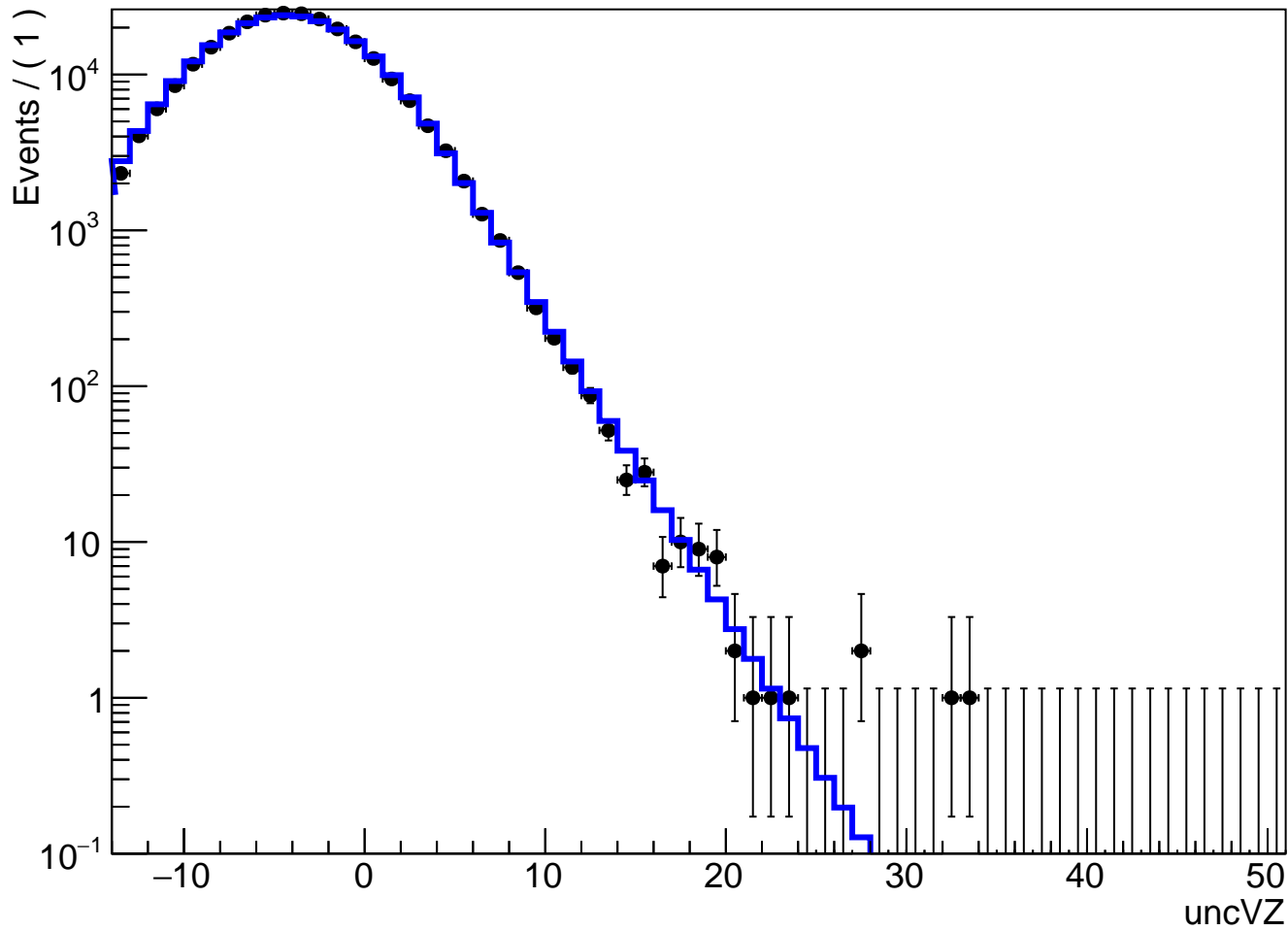
vertex Z, mass 0.0363265306122 +/- 0.00291767641199 GeV, zcut 26.1780902456 mm



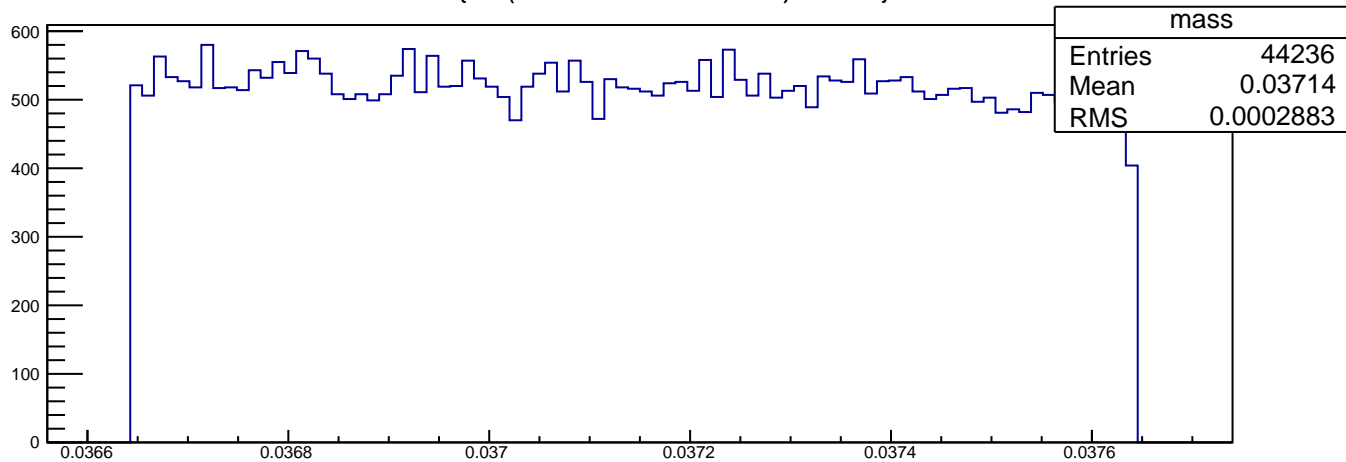
mass 0.0363265306122



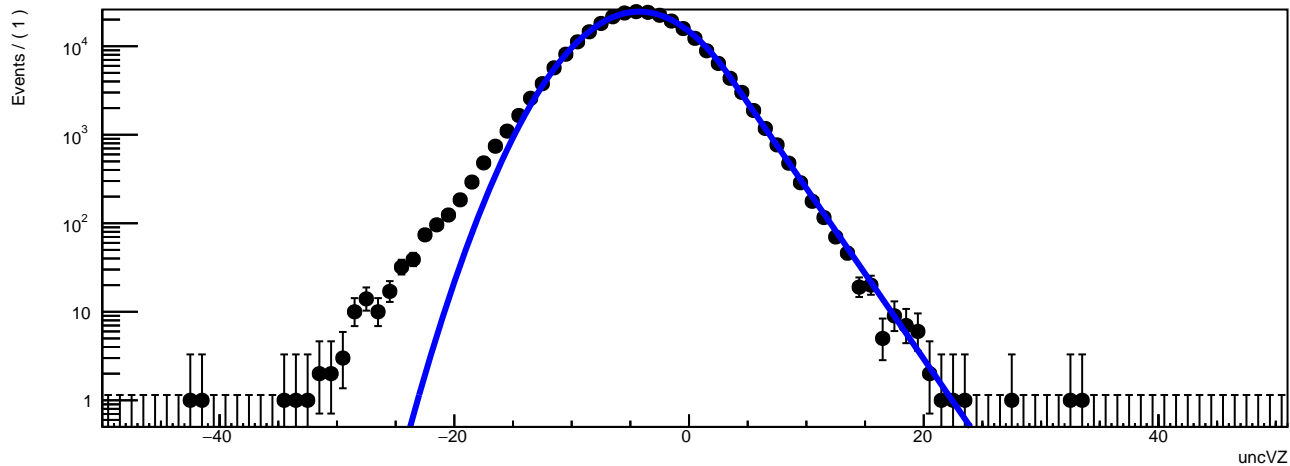
vertex Z, mass 0.0363265306122 +/- 0.00291767641199 GeV, zcut 26.1780902456 mm



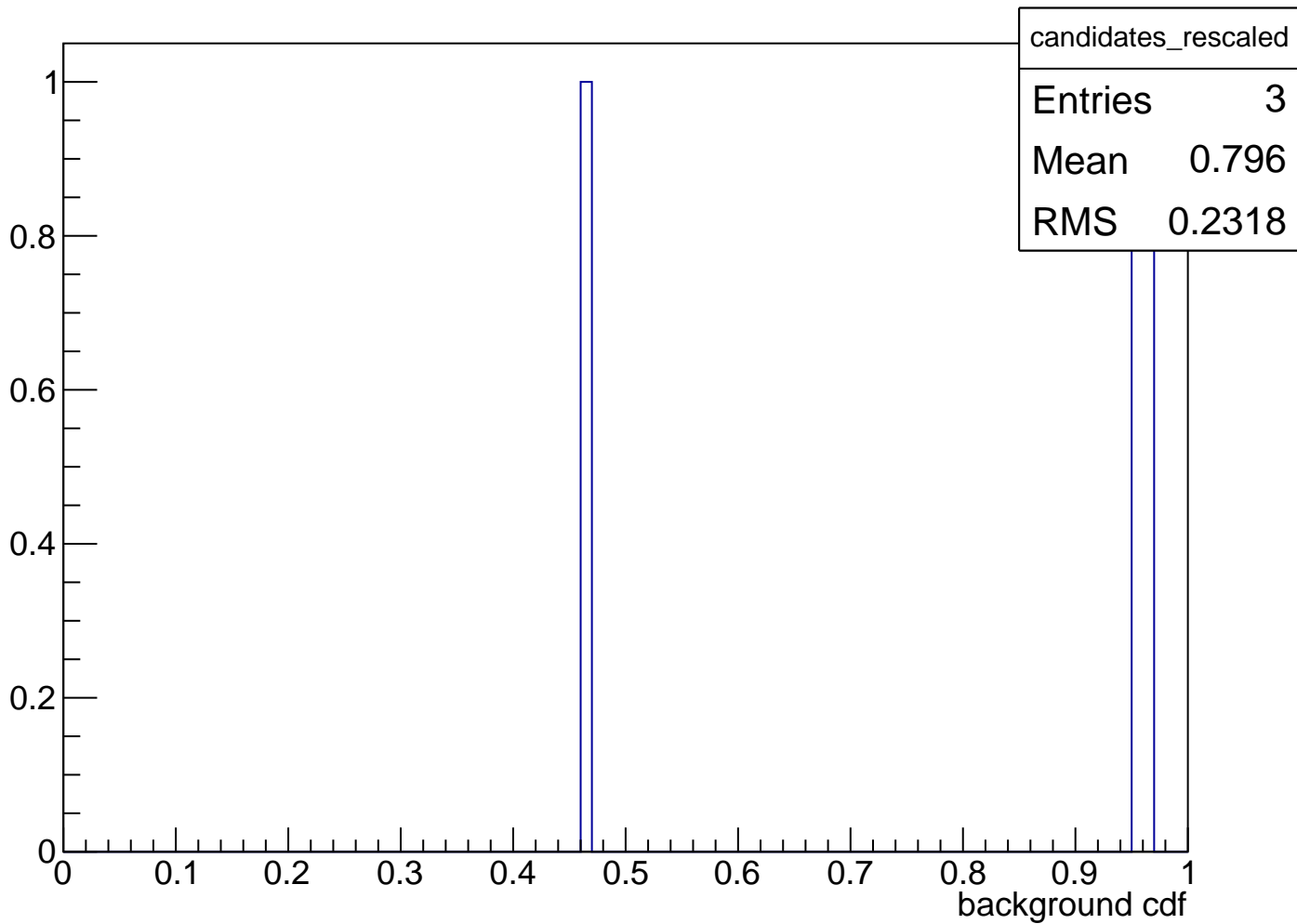
uncM {abs(uncM-0.0371428571429)<0.0005}



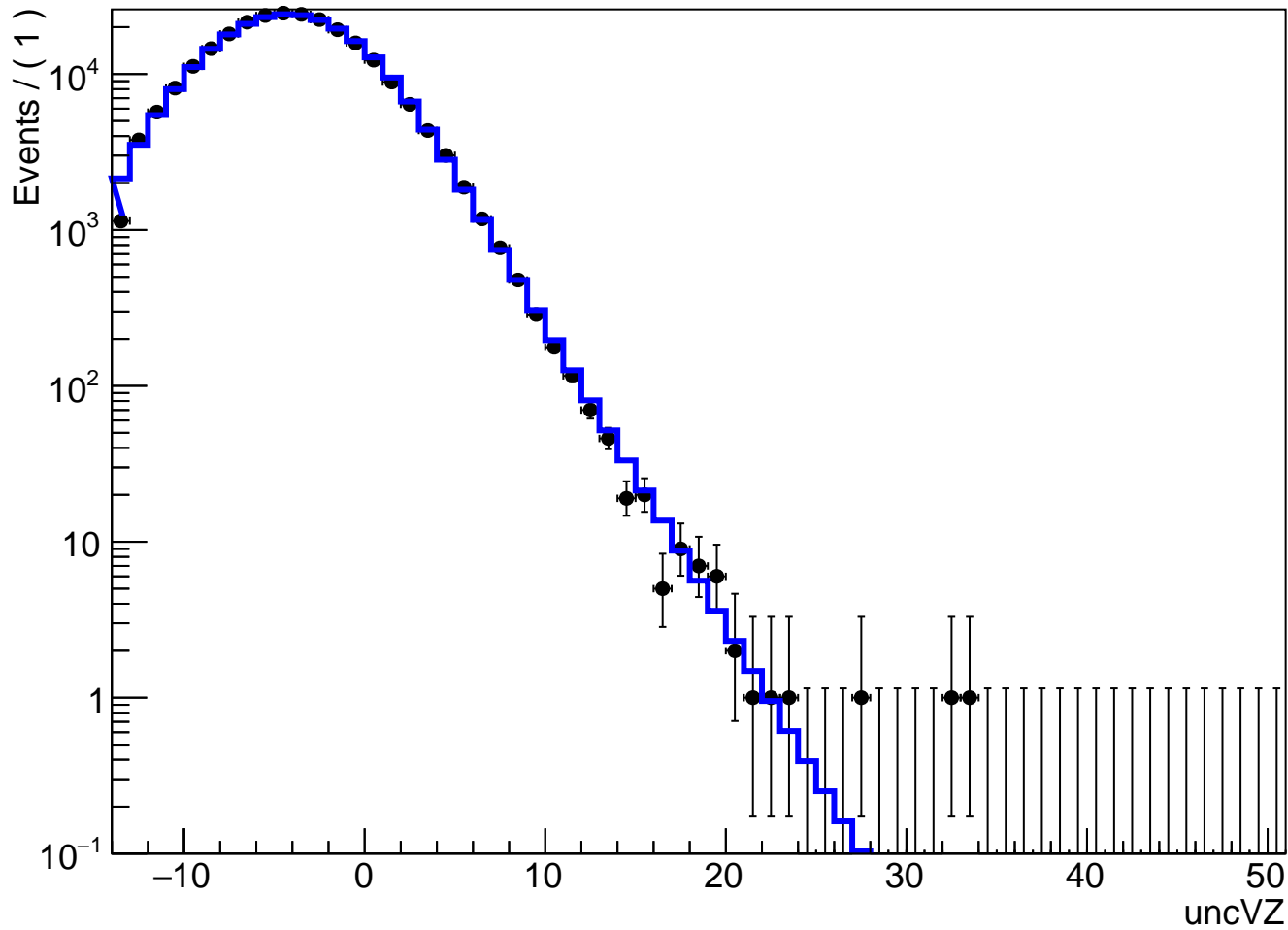
vertex Z, mass 0.0371428571429 +/- 0.00296073836828 GeV, zcut 25.7150617362 mm



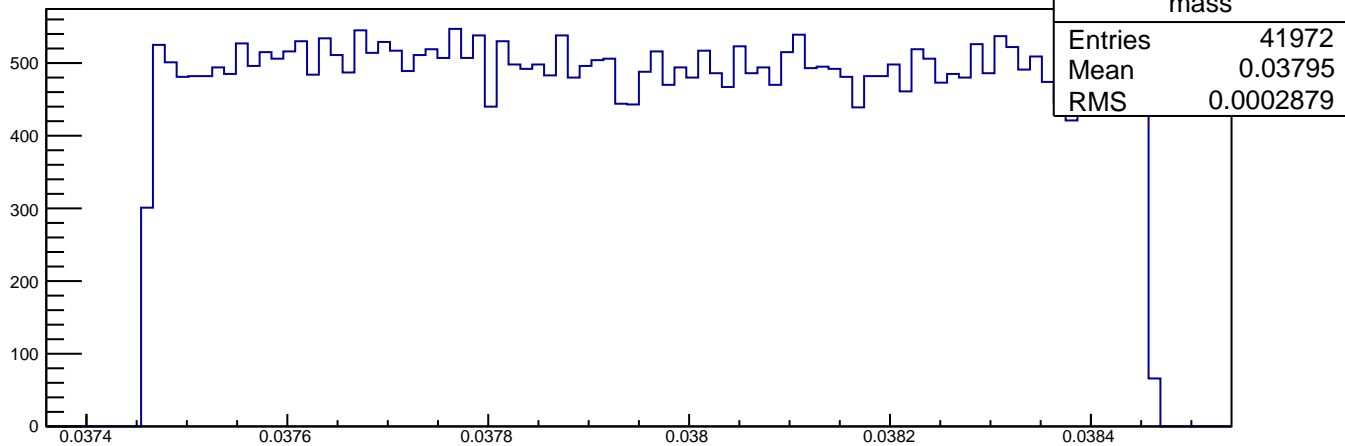
mass 0.0371428571429



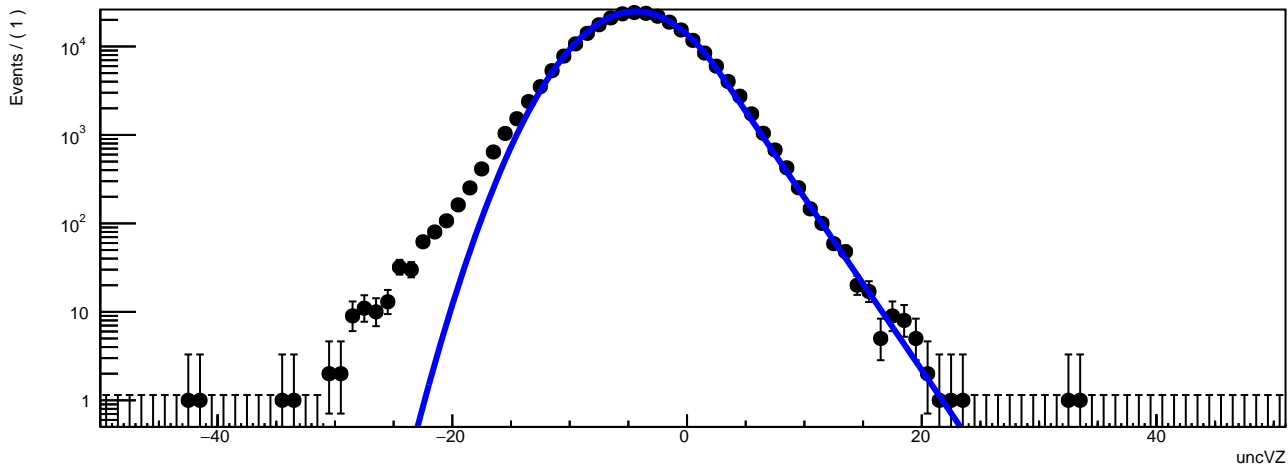
vertex Z, mass 0.0371428571429 +/- 0.00296073836828 GeV, zcut 25.7150617362 mm



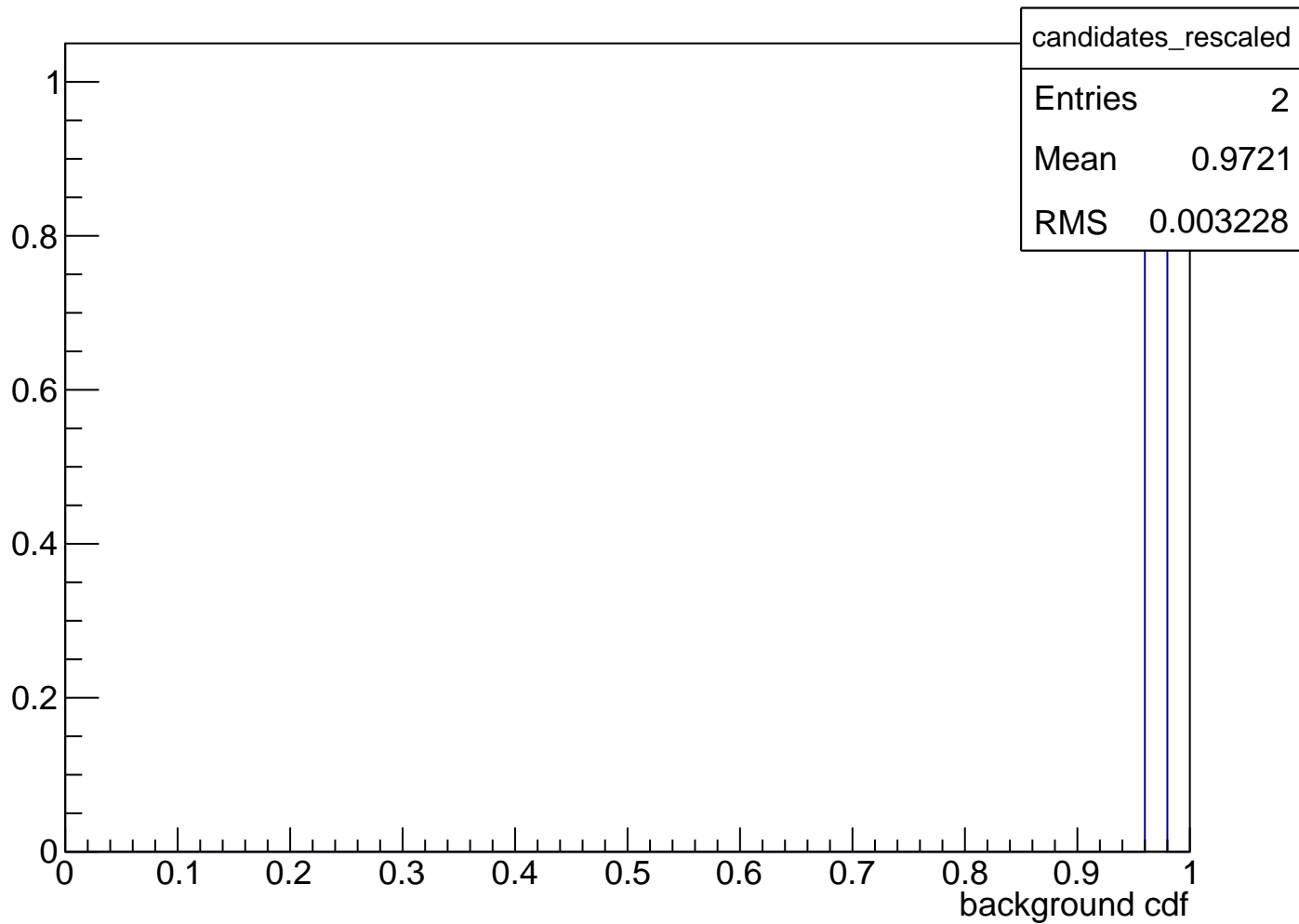
uncM {abs(uncM-0.0379591836735)<0.0005}



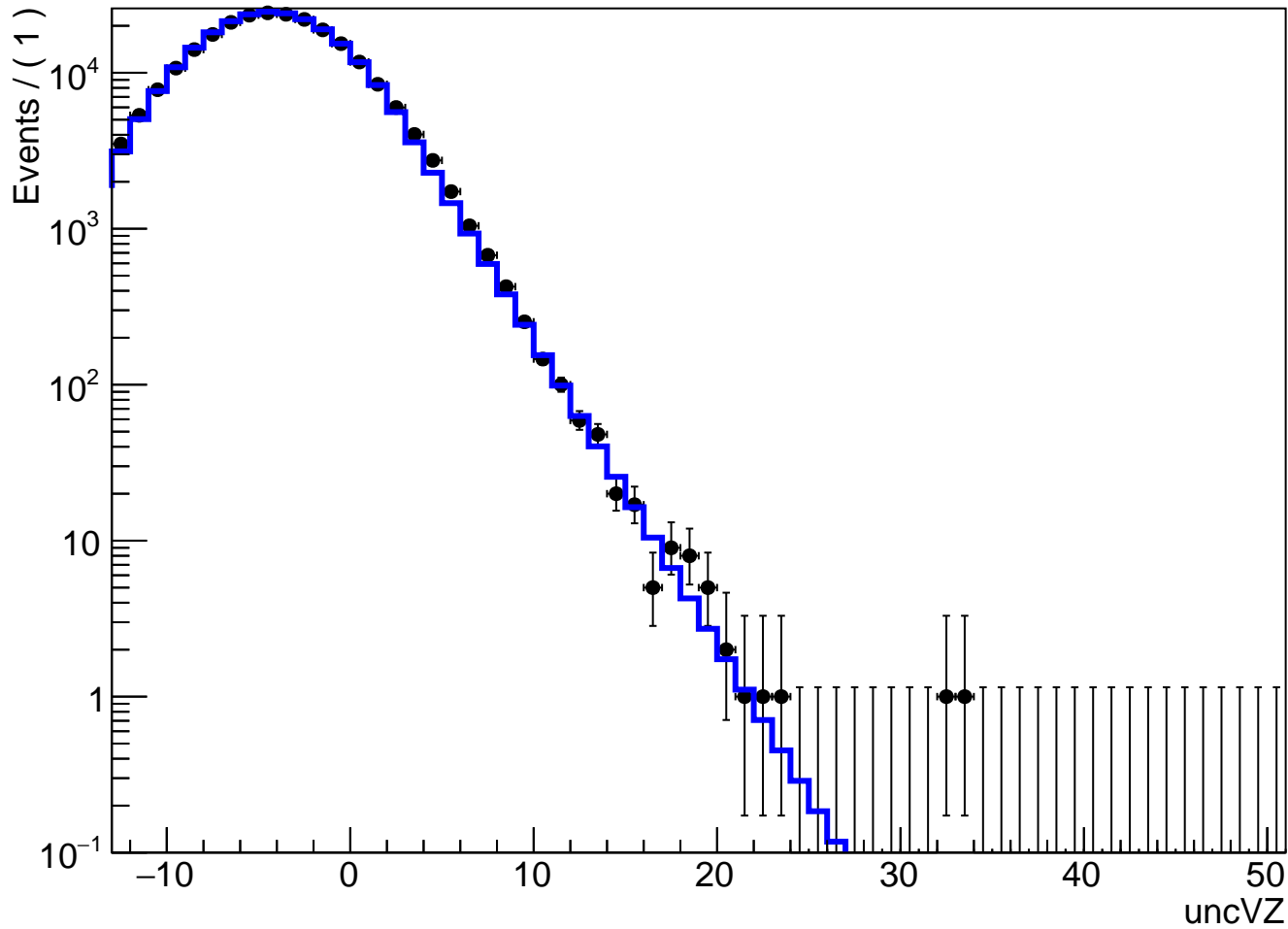
vertex Z, mass 0.0379591836735 +/- 0.00300380032456 GeV, zcut 24.9899283605 mm



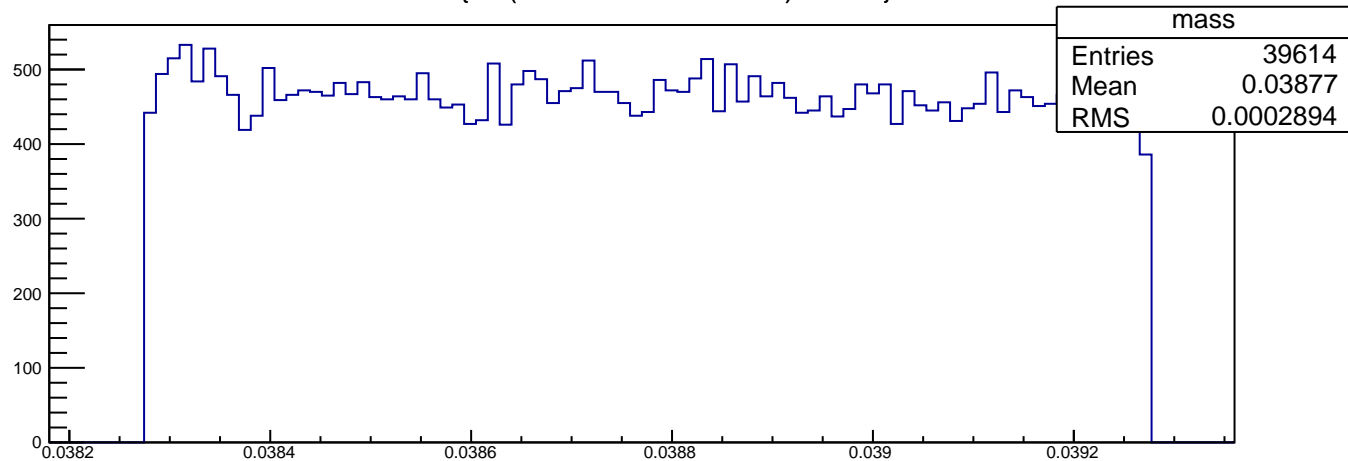
mass 0.0379591836735



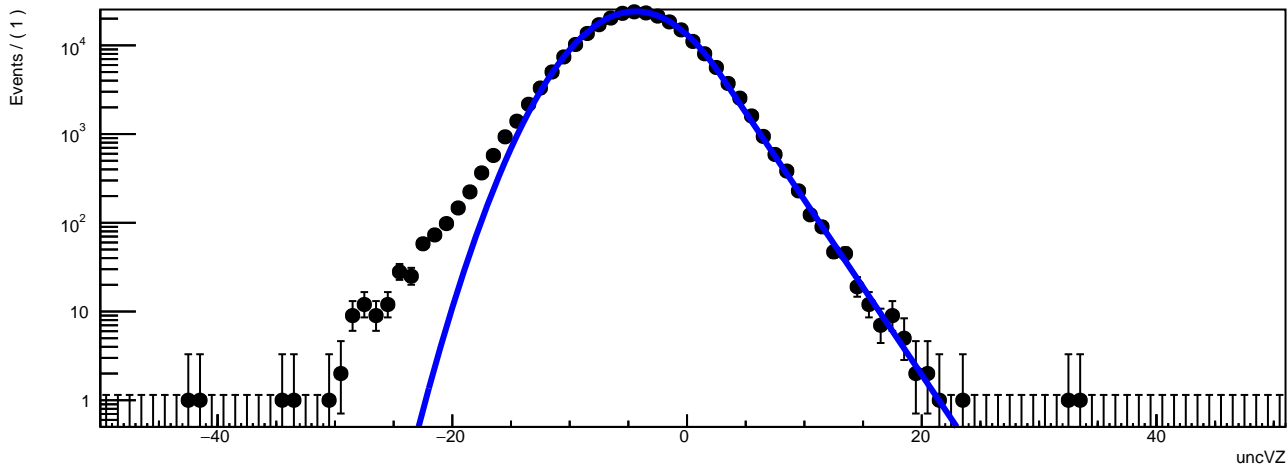
vertex Z, mass $0.0379591836735 \pm 0.00300380032456$ GeV, zcut 24.9899283605 mm



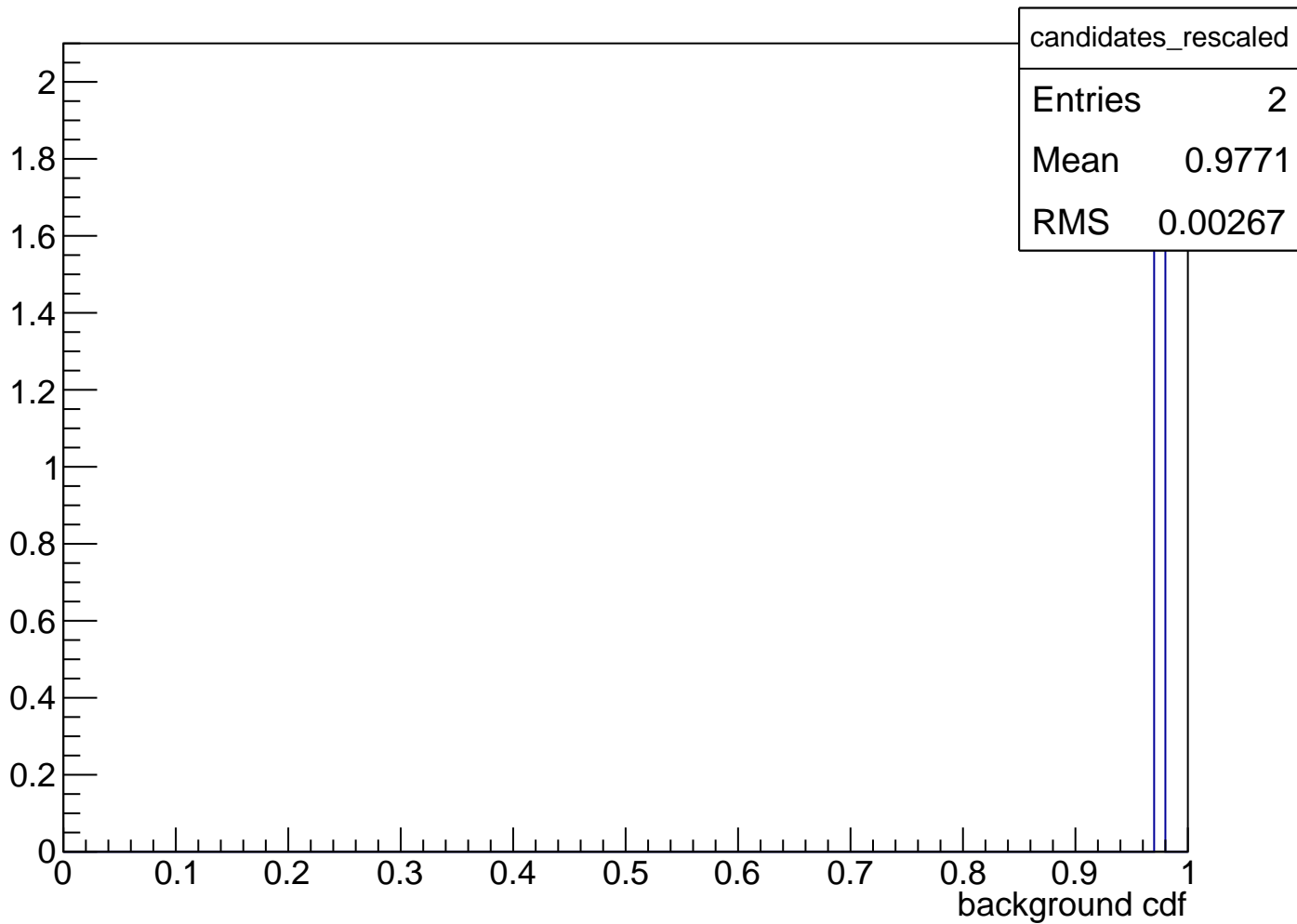
uncM {abs(uncM-0.0387755102041)<0.0005}



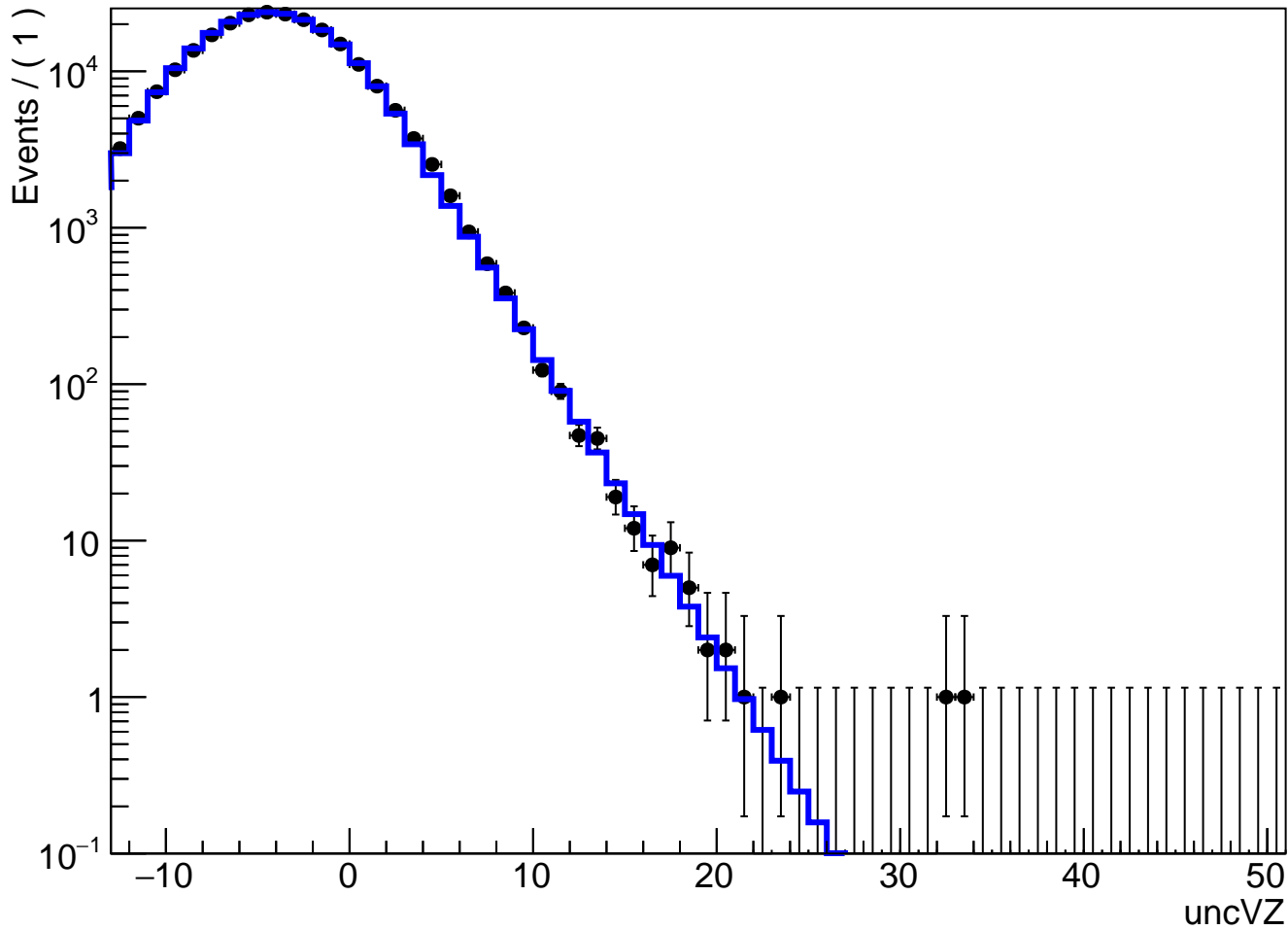
vertex Z, mass 0.0387755102041 +/- 0.00304686228085 GeV, zcut 24.6325883044 mm



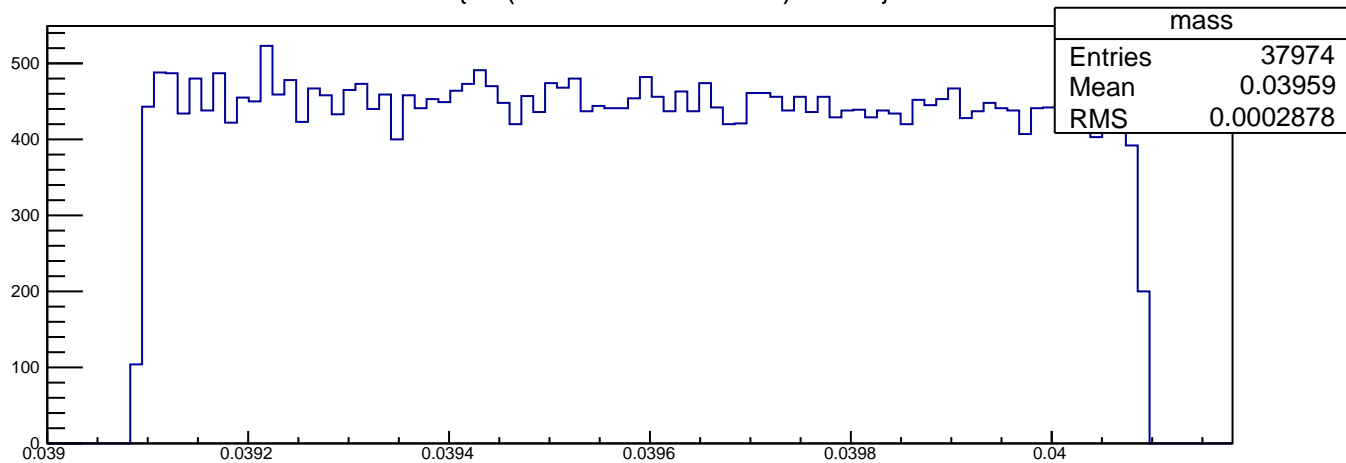
mass 0.0387755102041



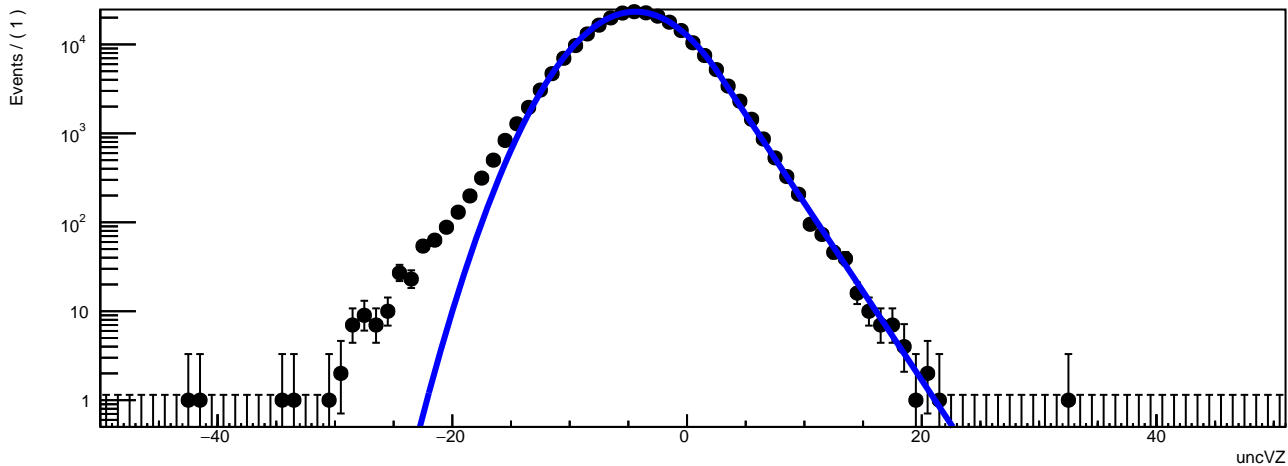
vertex Z, mass $0.0387755102041 \pm 0.00304686228085$ GeV, zcut 24.6325883044 mm



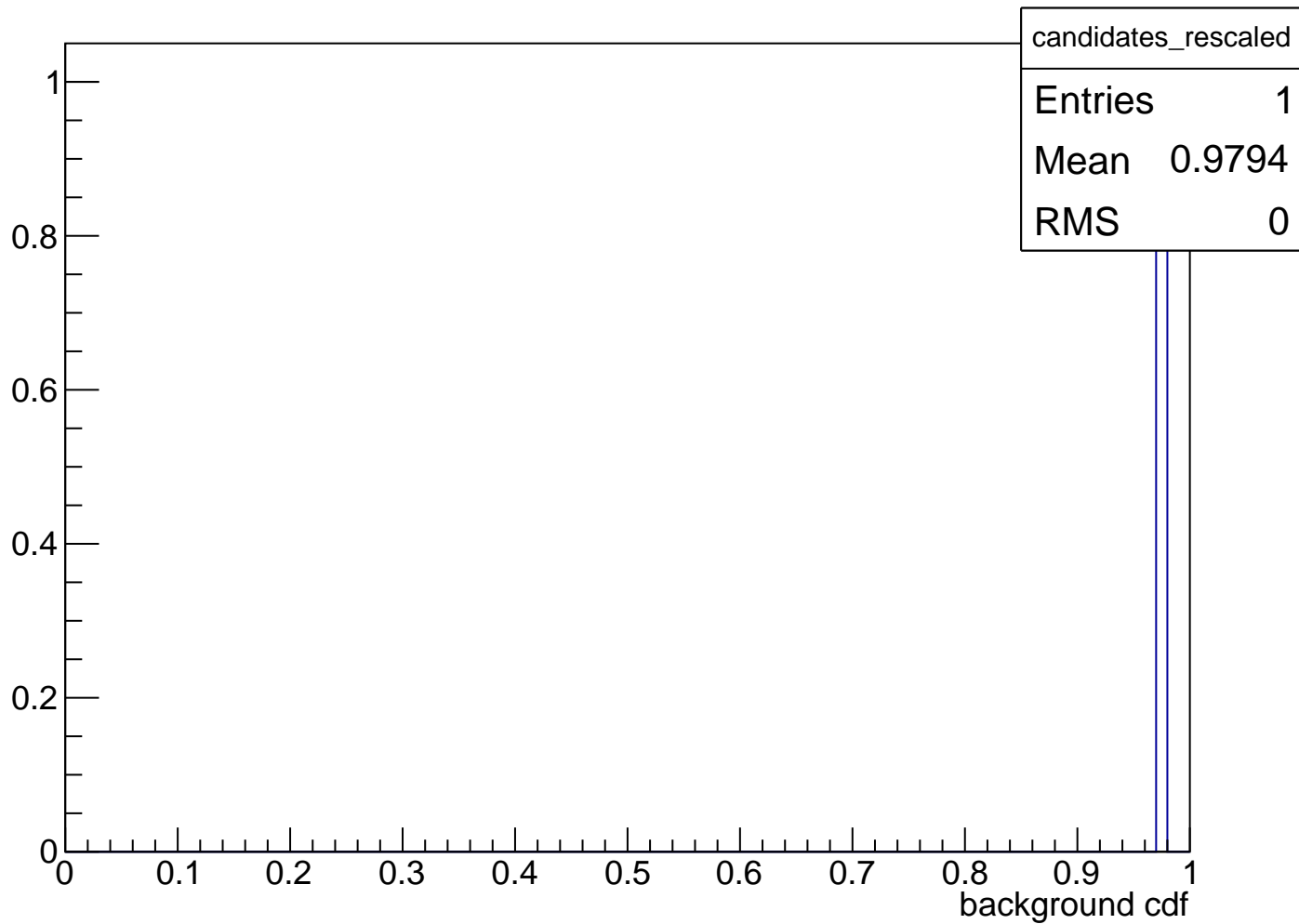
uncM {abs(uncM-0.0395918367347)<0.0005}



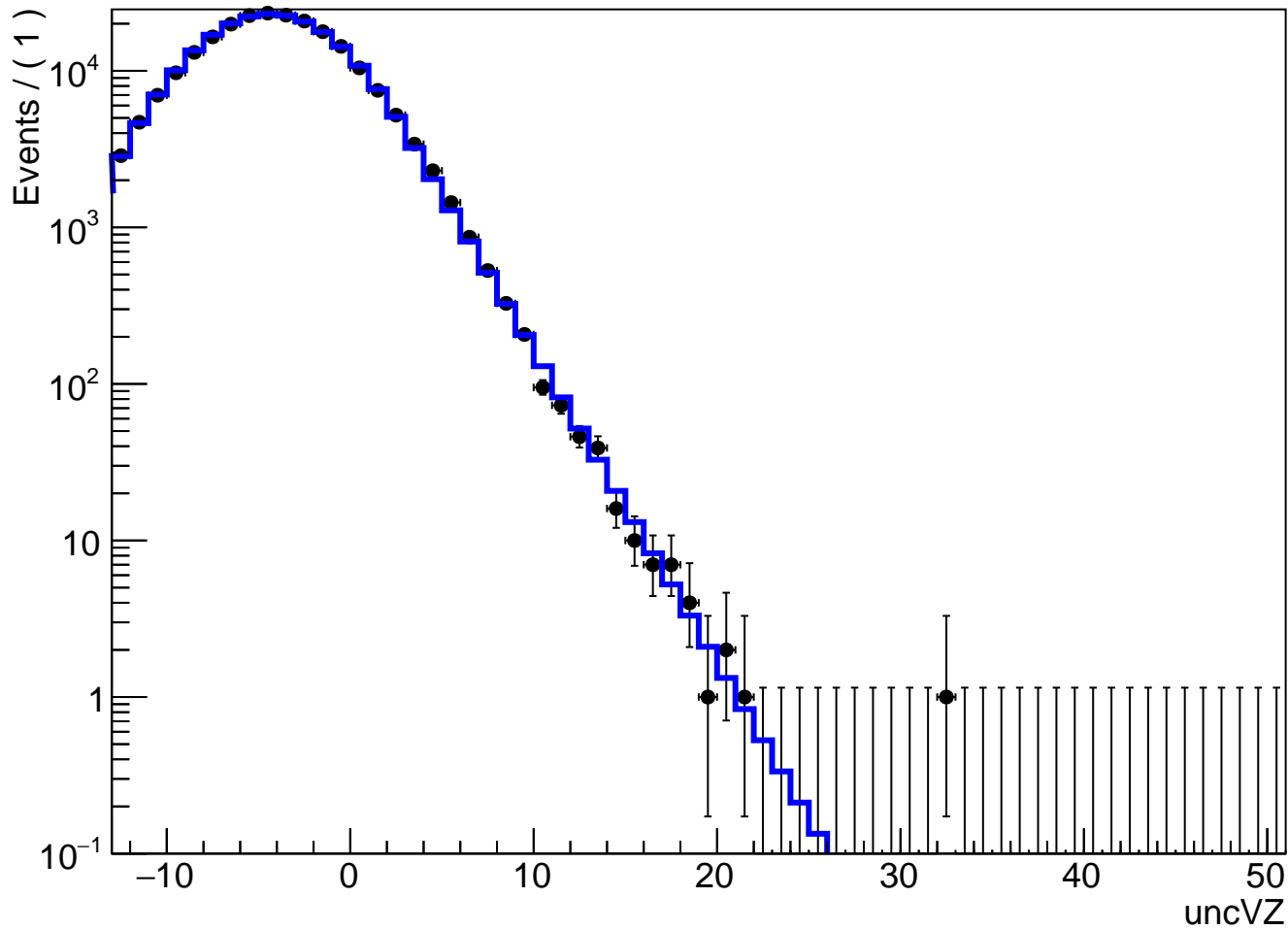
vertex Z, mass 0.0395918367347 +/- 0.00308992423713 GeV, zcut 24.2497200015 mm



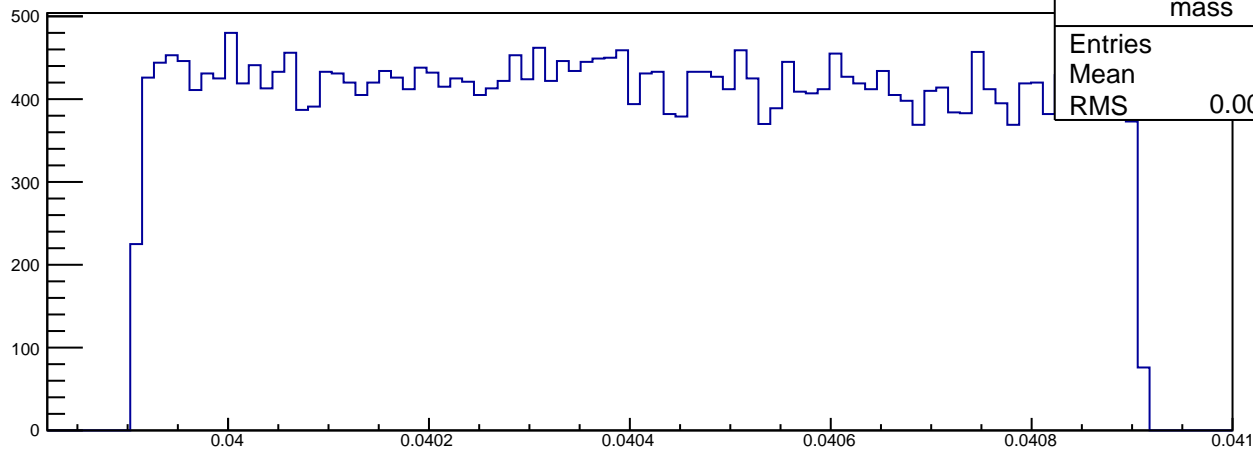
mass 0.0395918367347



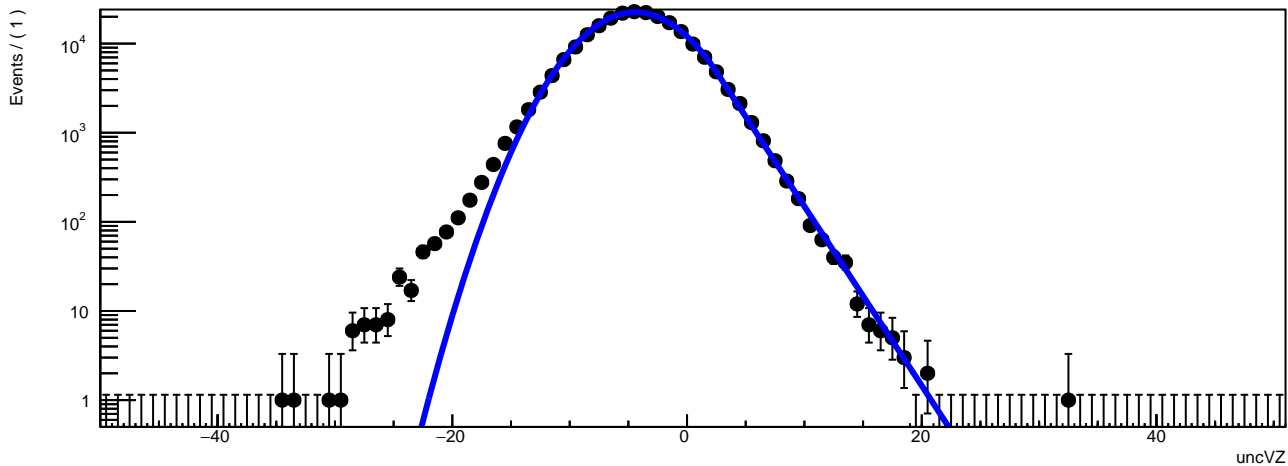
vertex Z, mass $0.0395918367347 \pm 0.00308992423713$ GeV, zcut 24.2497200015 mm



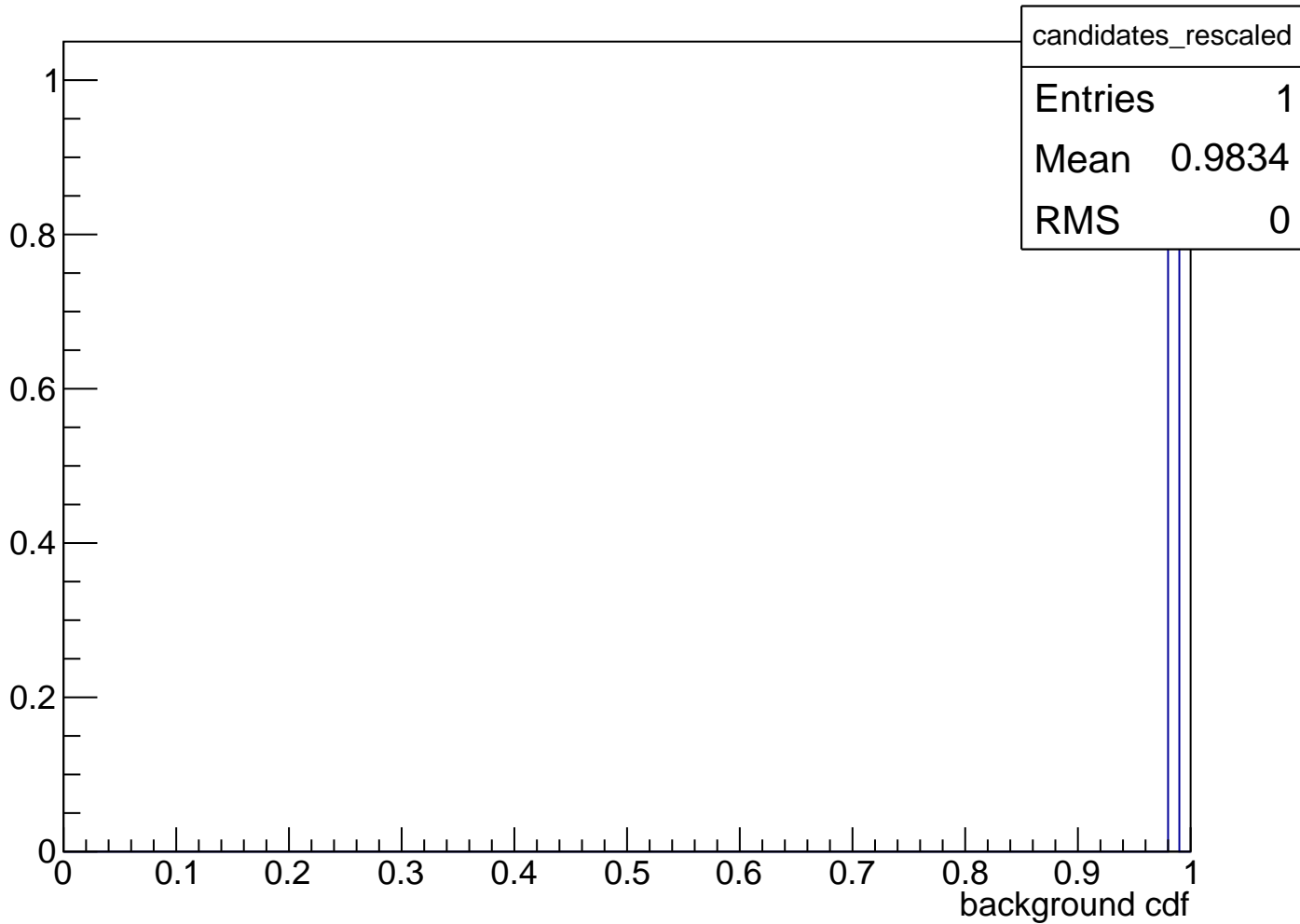
uncM {abs(uncM-0.0404081632653)<0.0005}



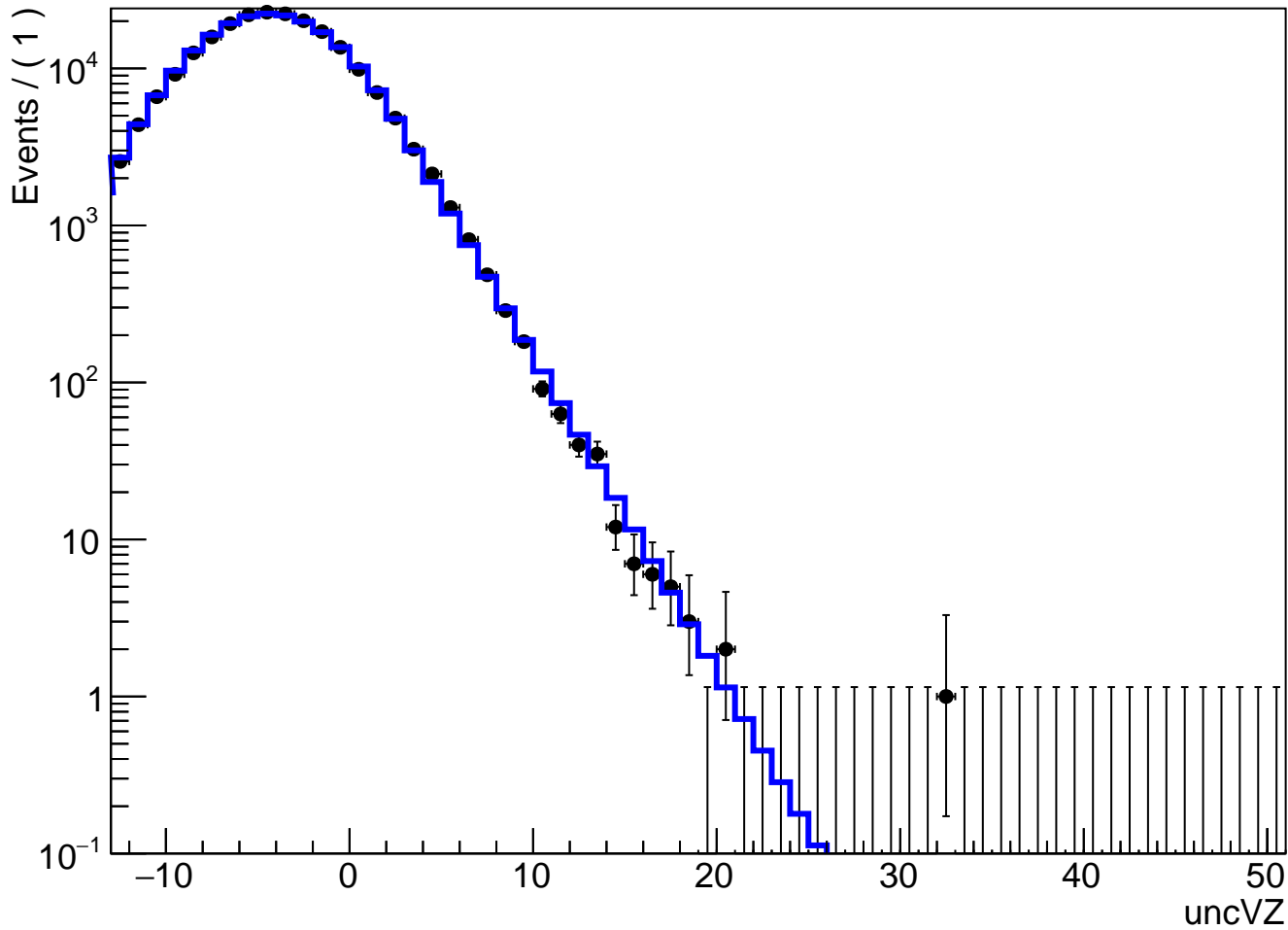
vertex Z, mass 0.0404081632653 +/- 0.00313298619342 GeV, zcut 23.8655896069 mm



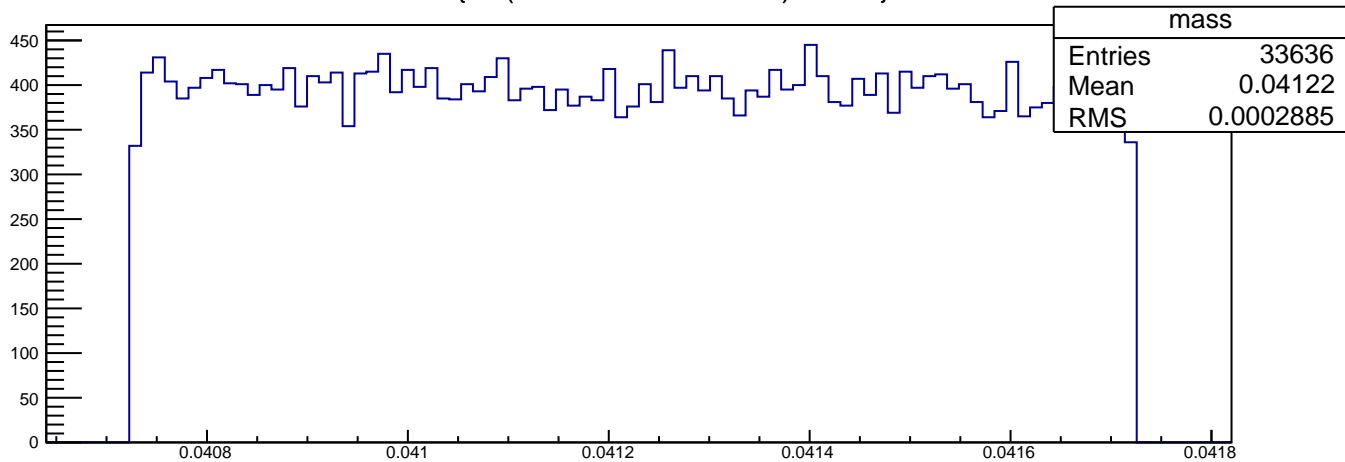
mass 0.0404081632653



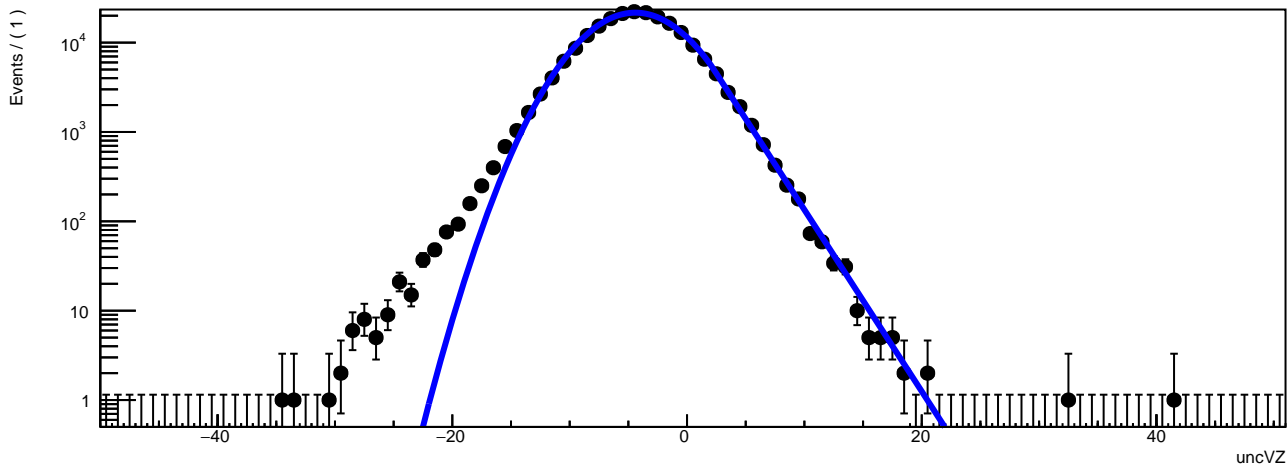
vertex Z, mass 0.0404081632653 +/- 0.00313298619342 GeV, zcut 23.8655896069 mm



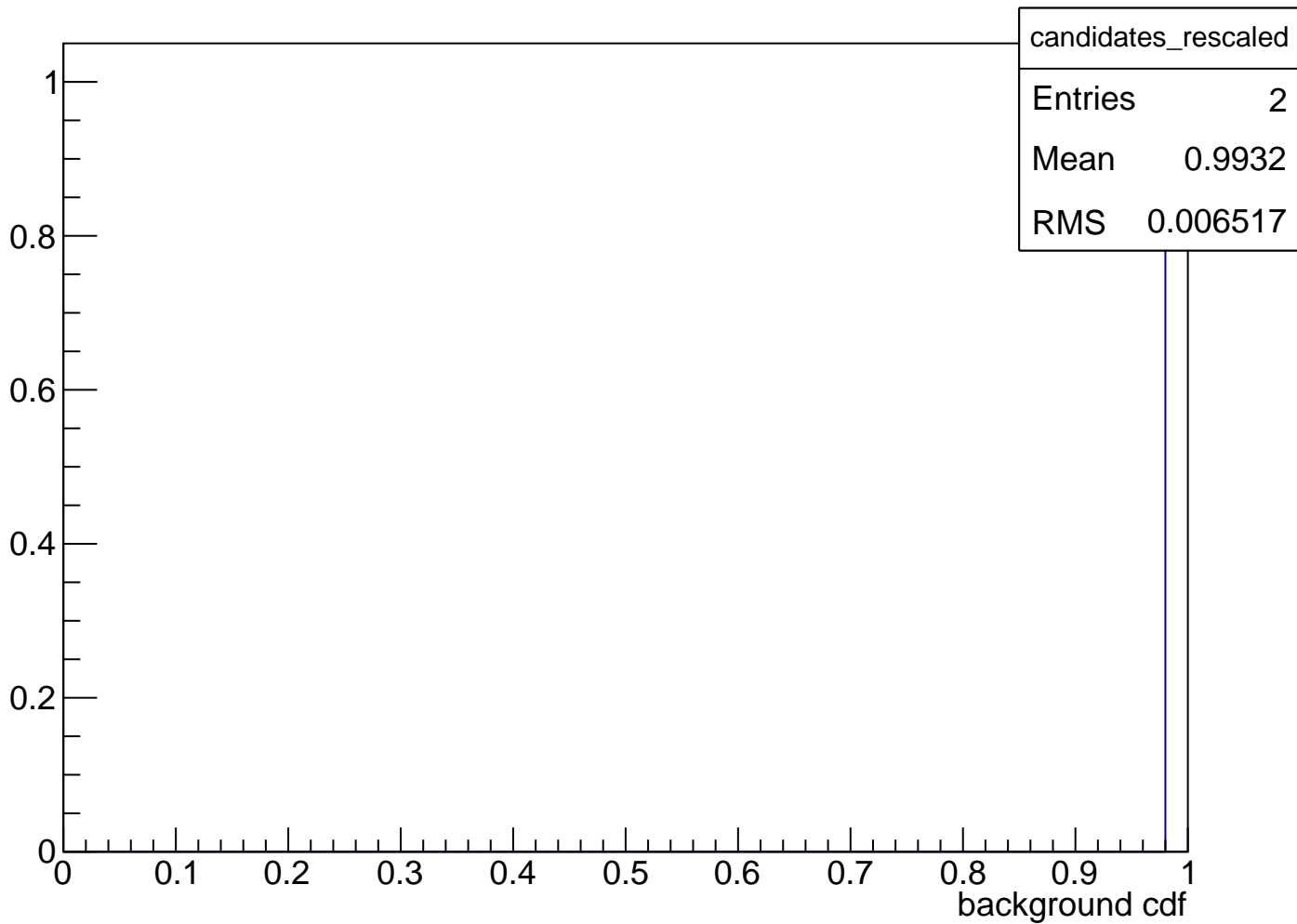
uncM {abs(uncM-0.0412244897959)<0.0005}



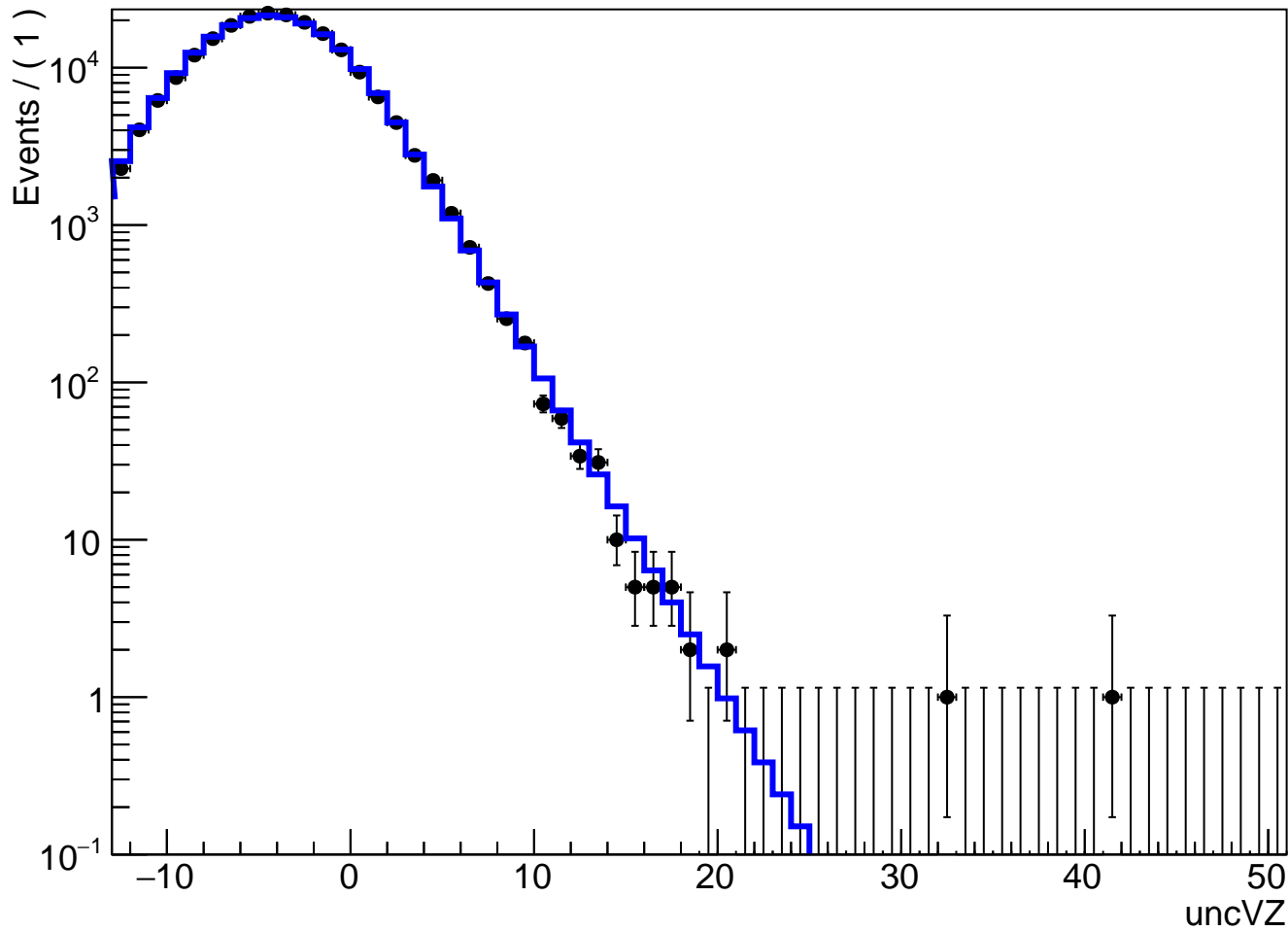
vertex Z, mass 0.0412244897959 +/- 0.0031760481497 GeV, zcut 23.483055631 mm



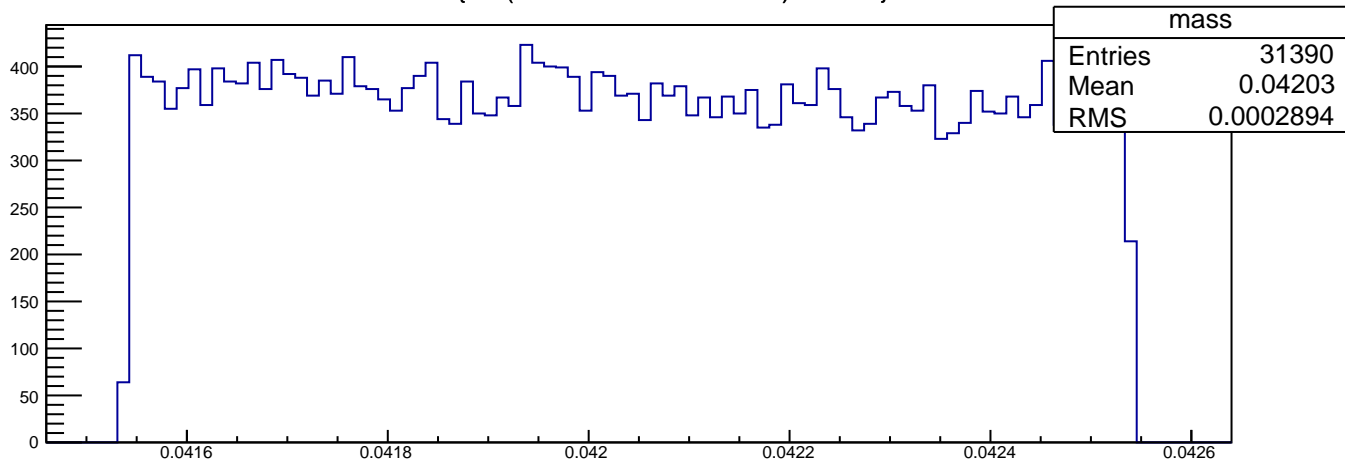
mass 0.0412244897959



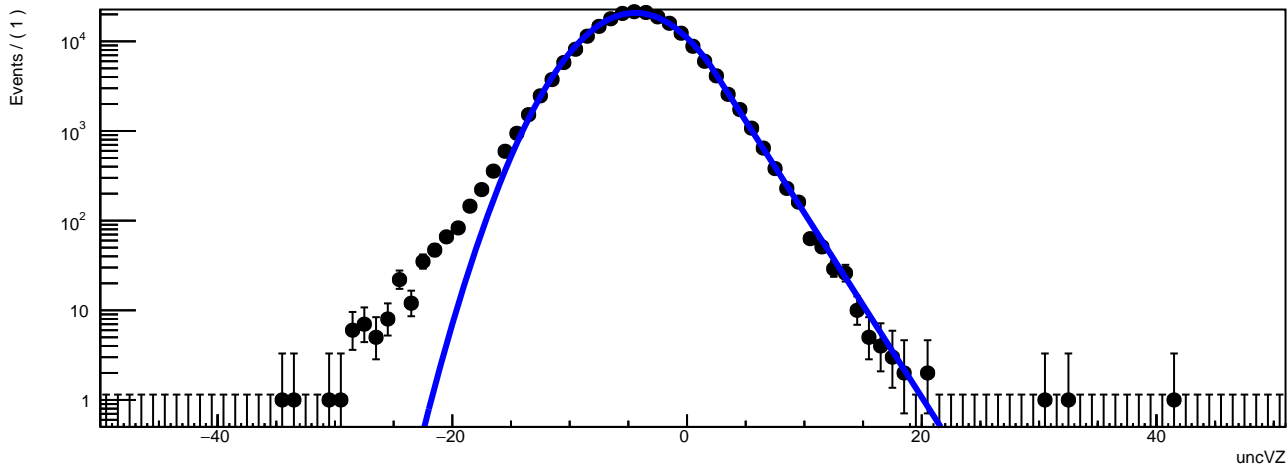
vertex Z, mass $0.0412244897959 \pm 0.0031760481497$ GeV, $z_{\text{cut}} 23.483055631$ mm



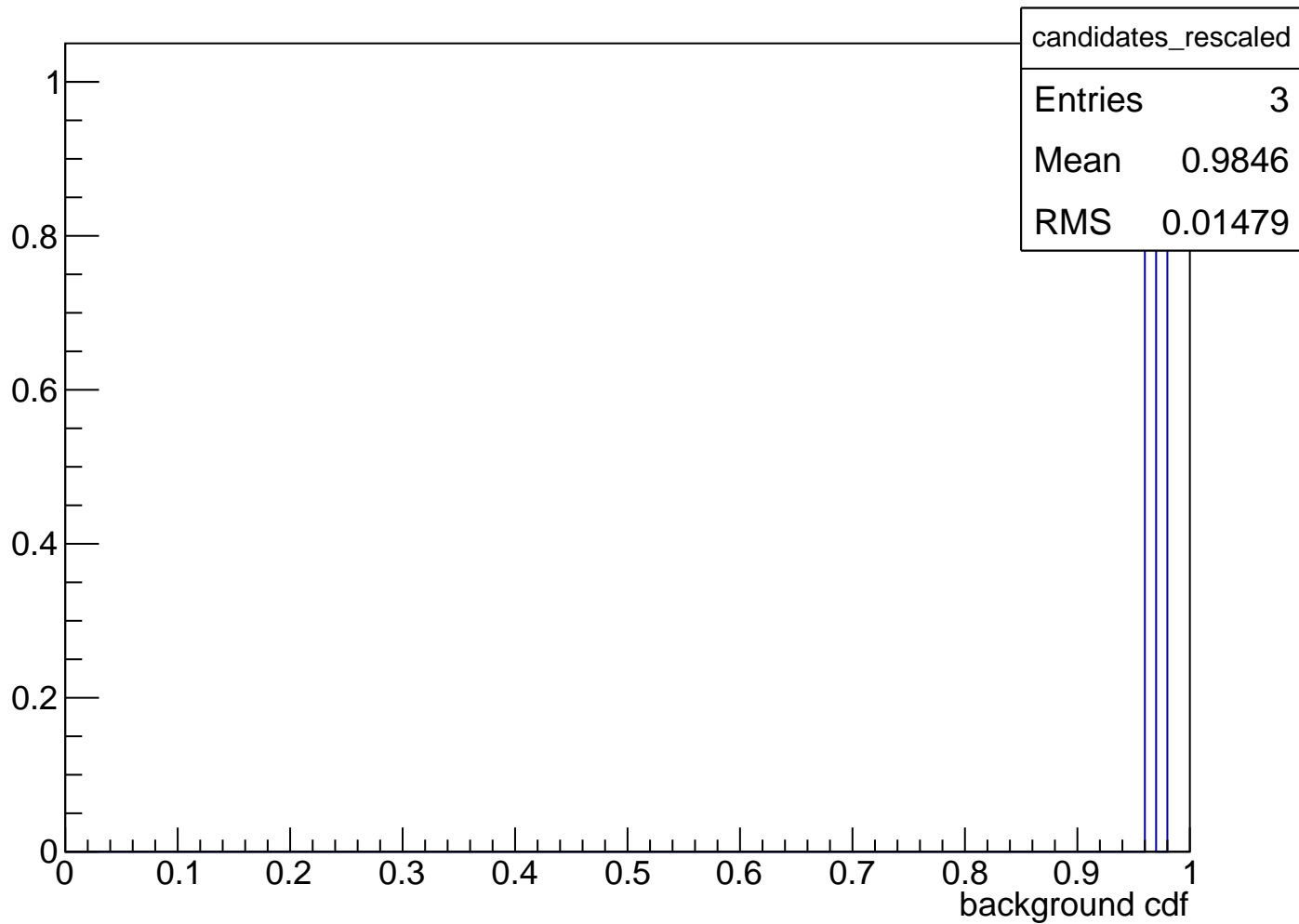
uncM {abs(uncM-0.0420408163265)<0.0005}



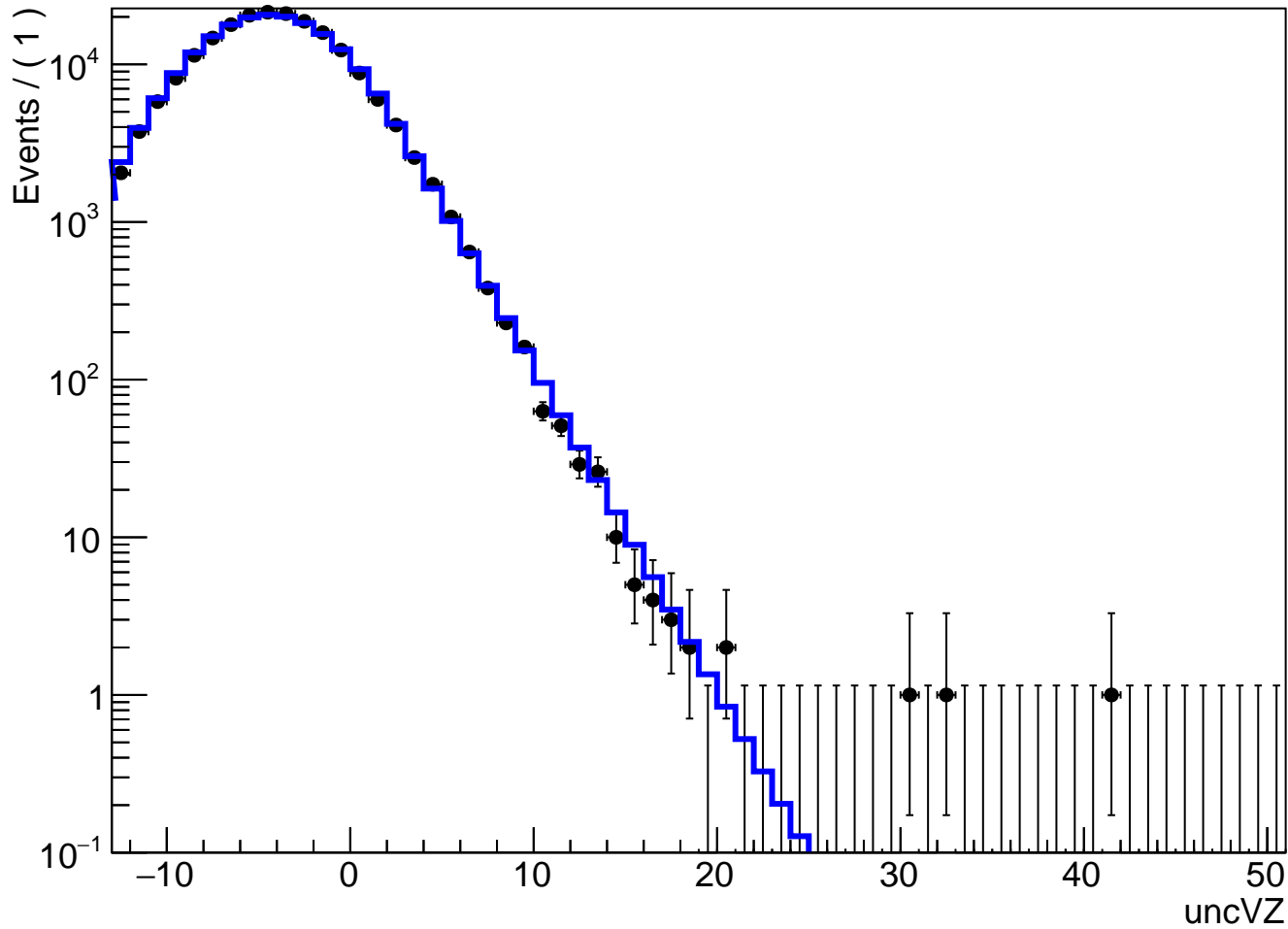
vertex Z, mass 0.0420408163265 +/- 0.00321911010598 GeV, zcut 23.1034429521 mm



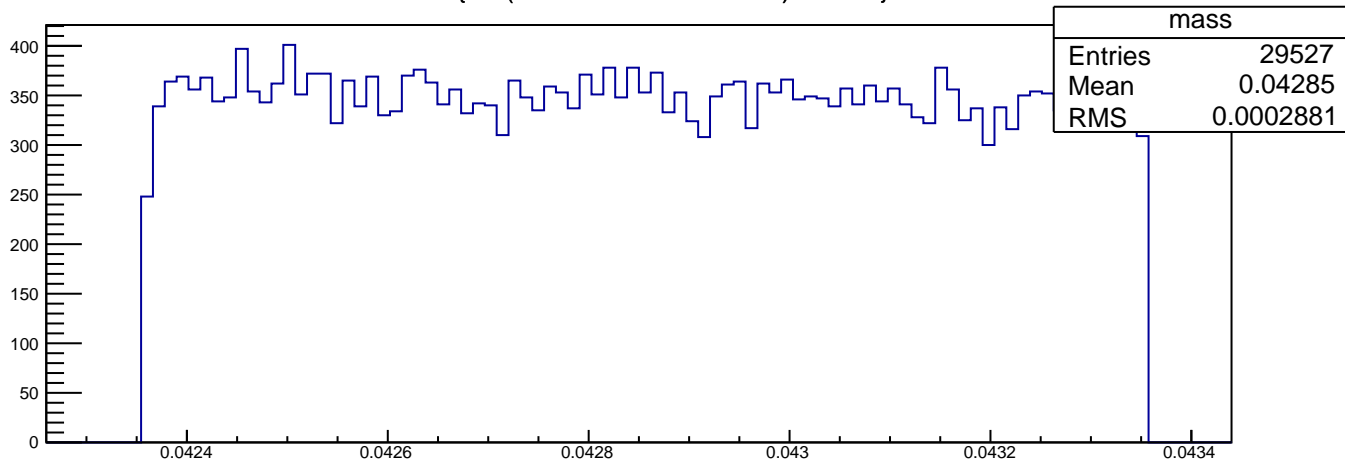
mass 0.0420408163265



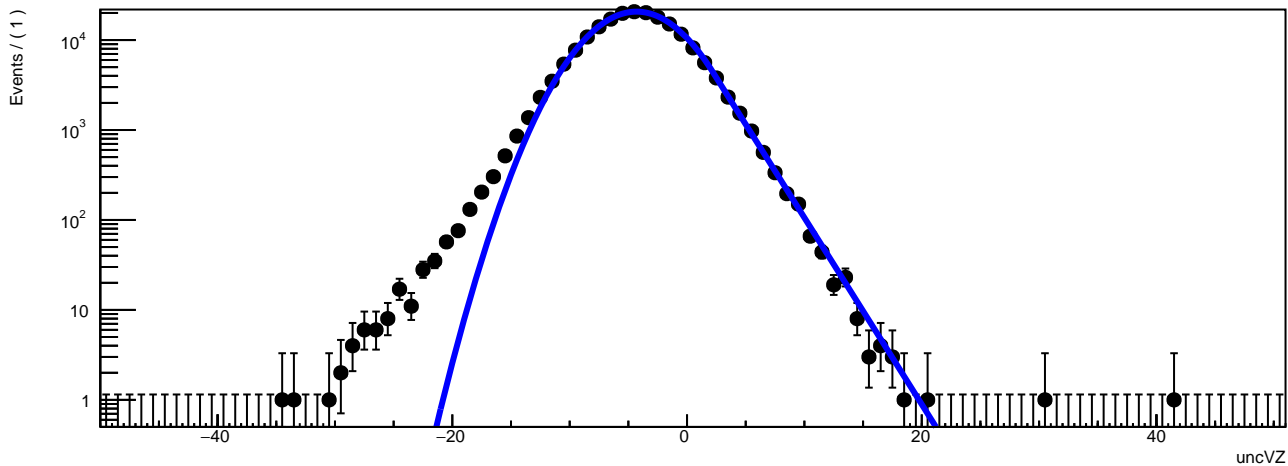
vertex Z, mass $0.0420408163265 \pm 0.00321911010598$ GeV, zcut 23.1034429521 mm



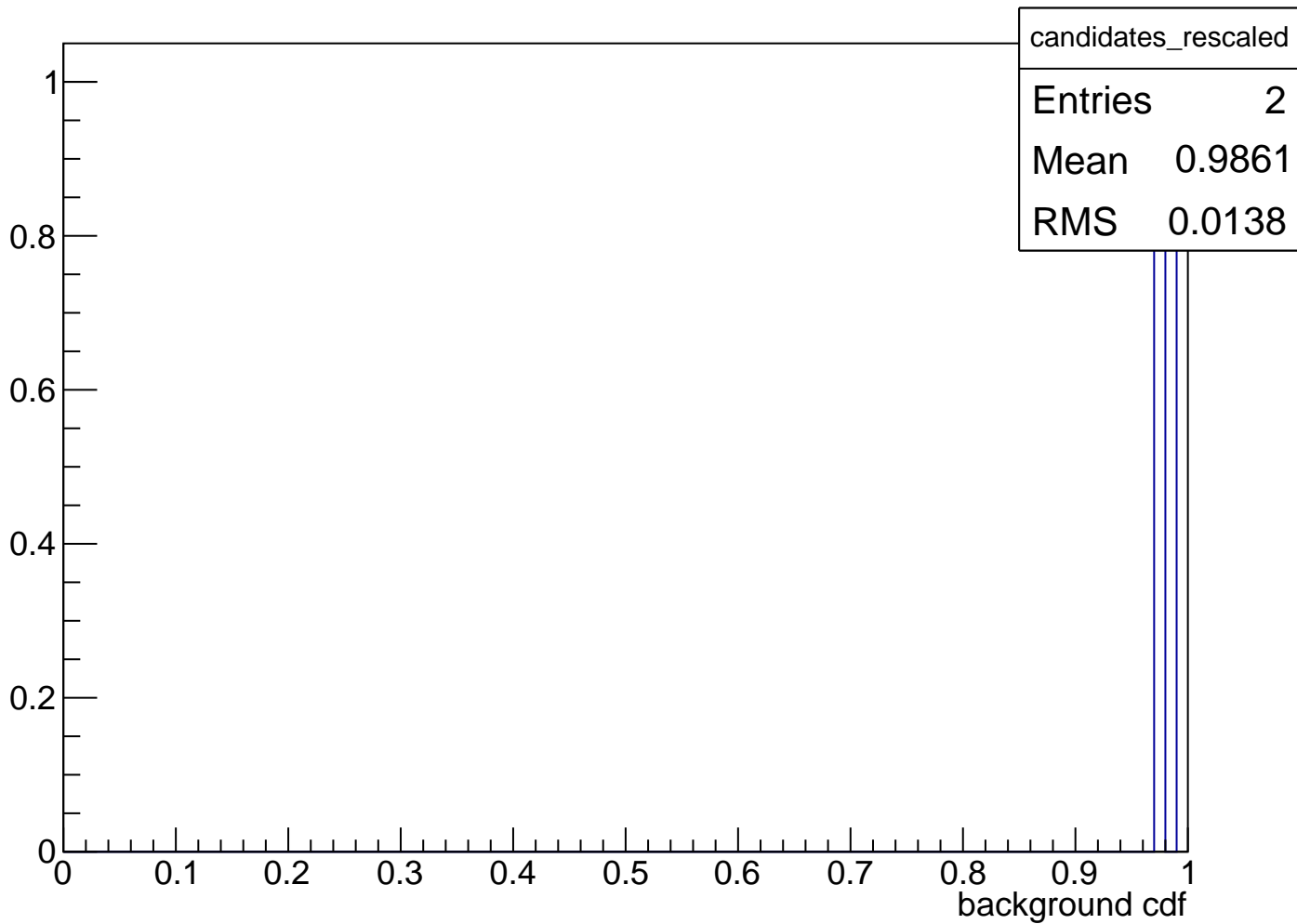
uncM {abs(uncM-0.0428571428571)<0.0005}



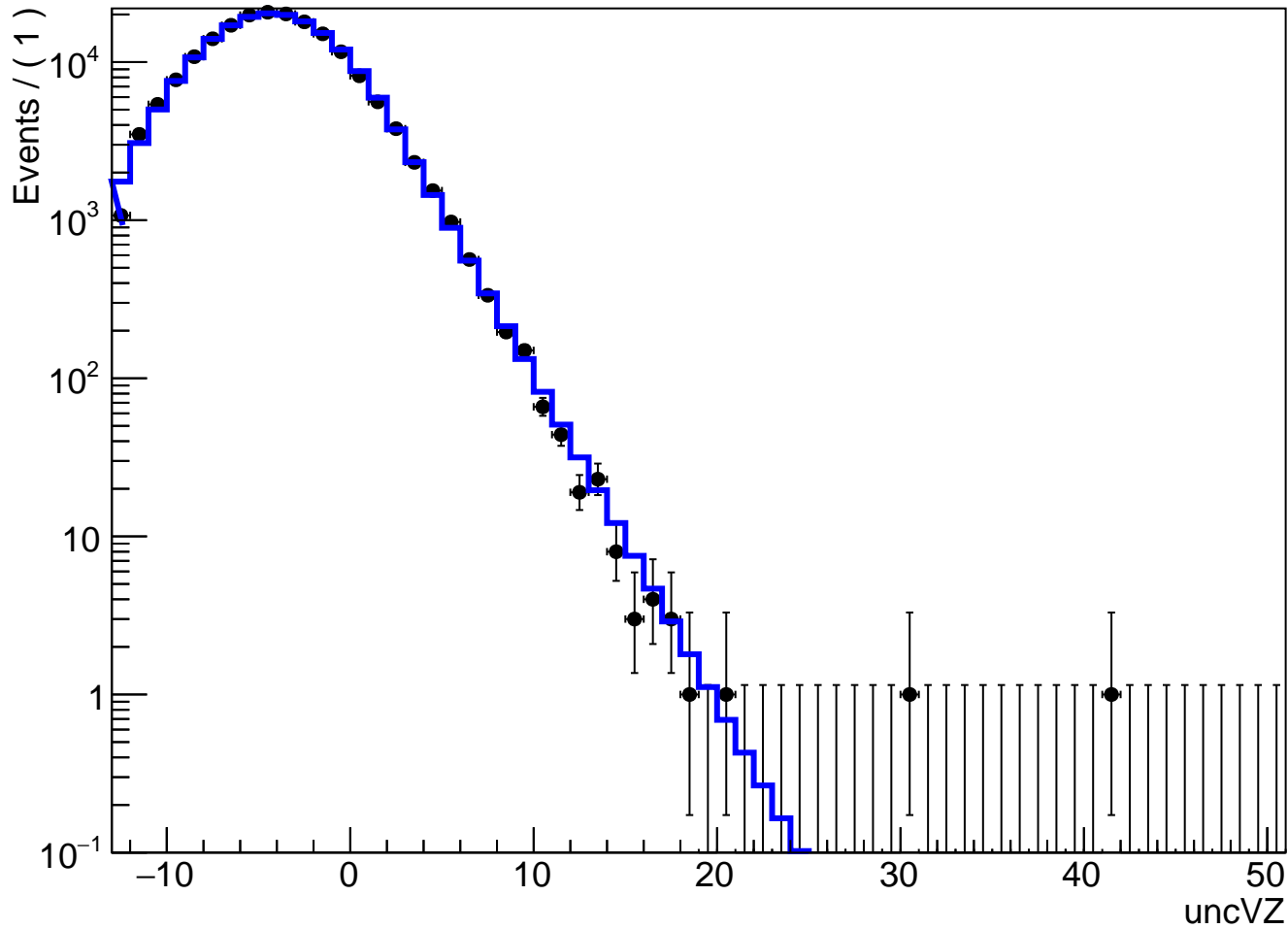
vertex Z, mass 0.0428571428571 +/- 0.00326217206227 GeV, zcut 22.6608347382 mm



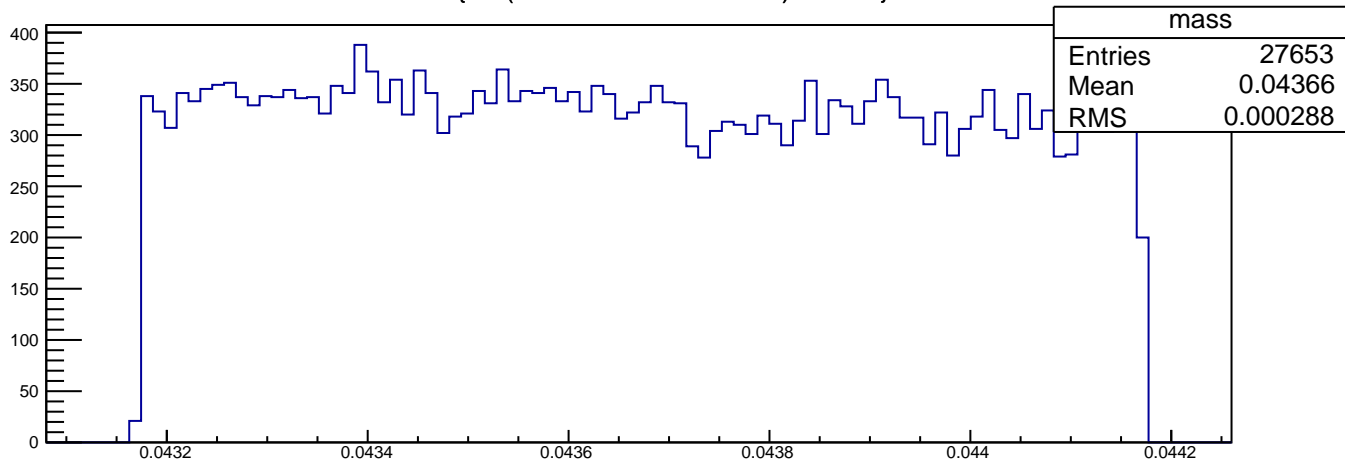
mass 0.0428571428571



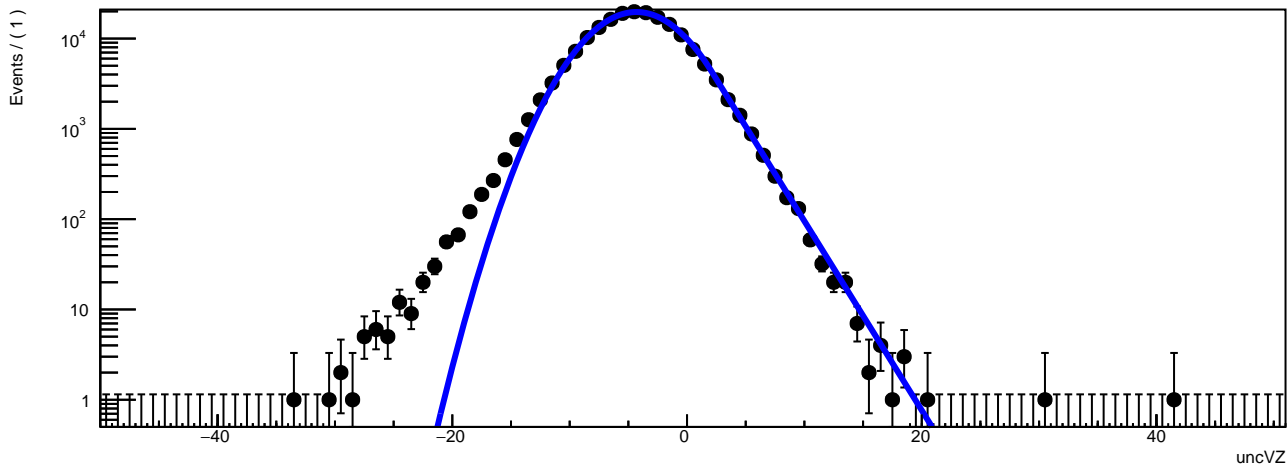
vertex Z, mass $0.0428571428571 \pm 0.00326217206227$ GeV, zcut 22.6608347382 mm



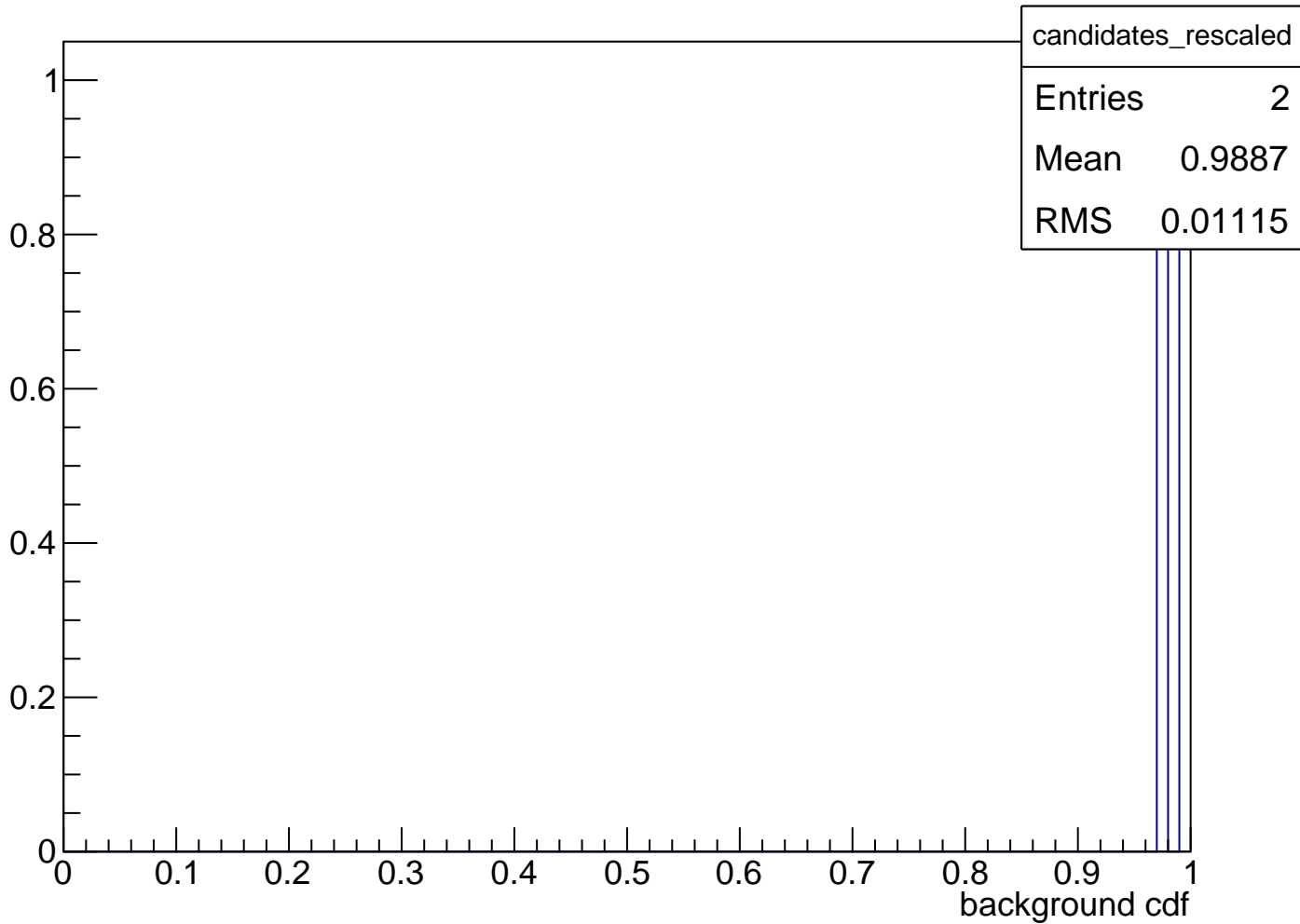
uncM {abs(uncM-0.0436734693878)<0.0005}



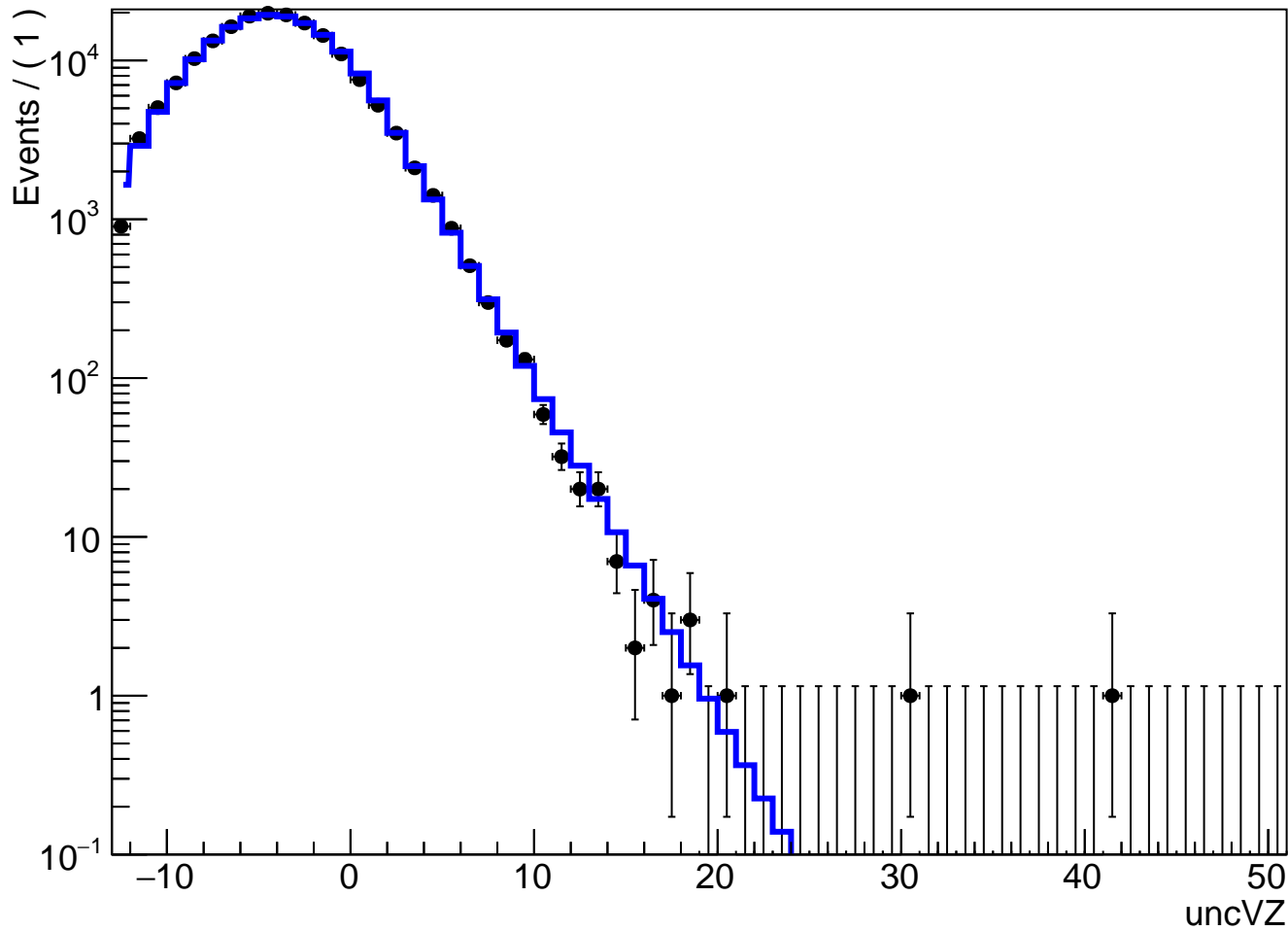
vertex Z, mass 0.0436734693878 +/- 0.00330523401855 GeV, zcut 22.2925219031 mm



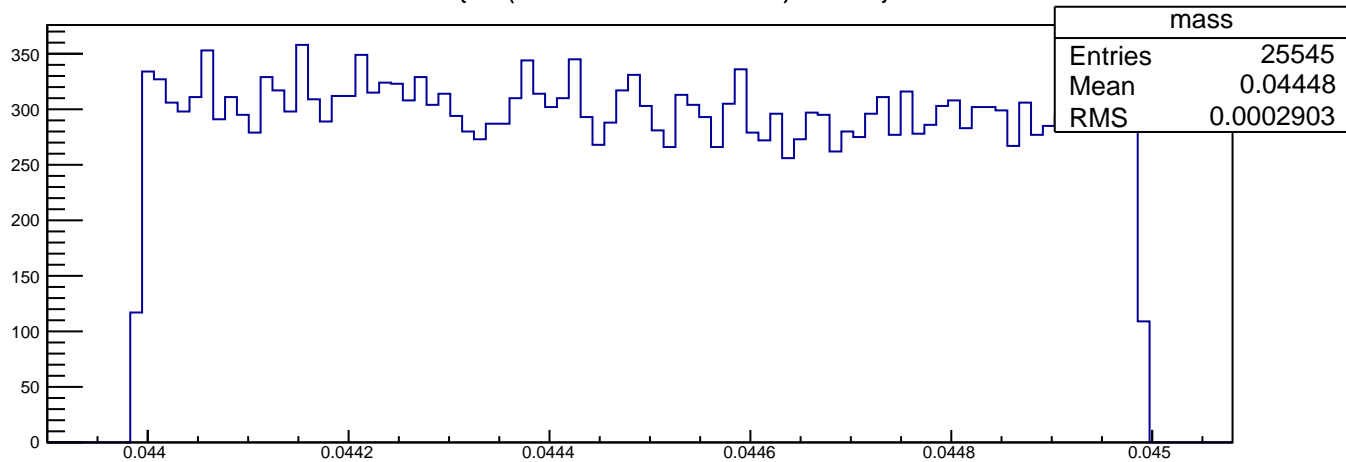
mass 0.0436734693878



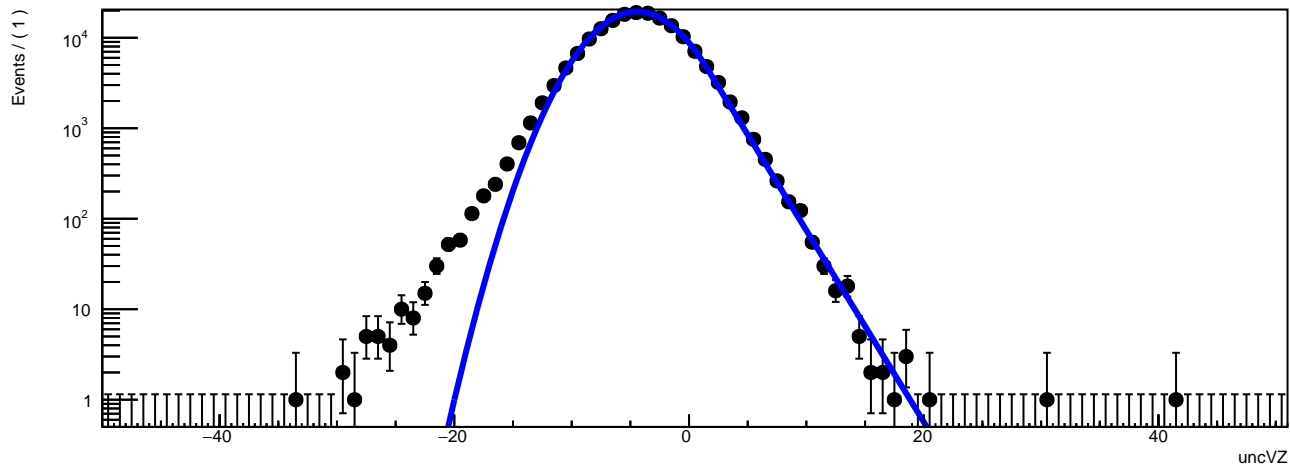
vertex Z, mass $0.0436734693878 \pm 0.00330523401855$ GeV, zcut 22.2925219031 mm



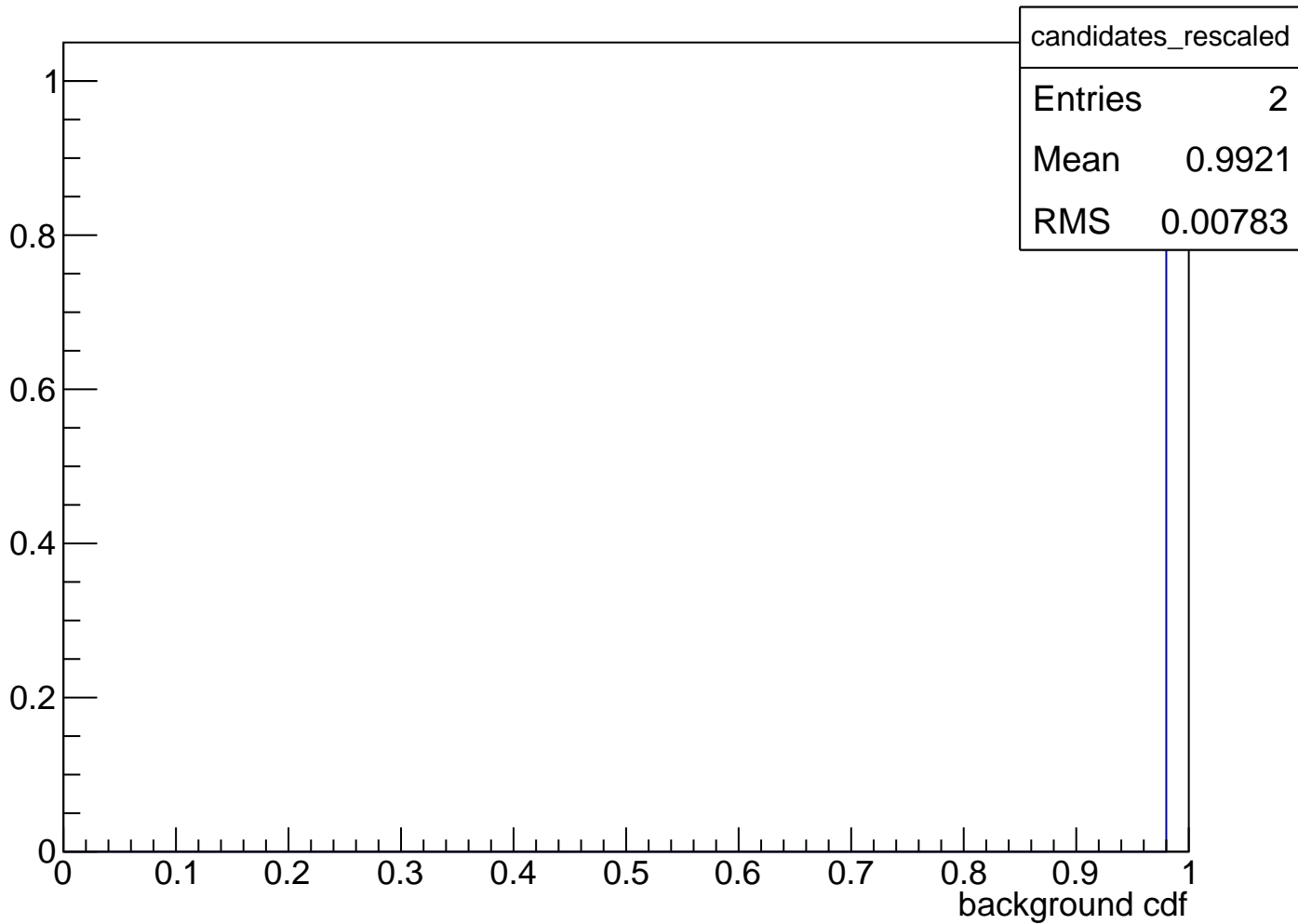
uncM {abs(uncM-0.0444897959184)<0.0005}



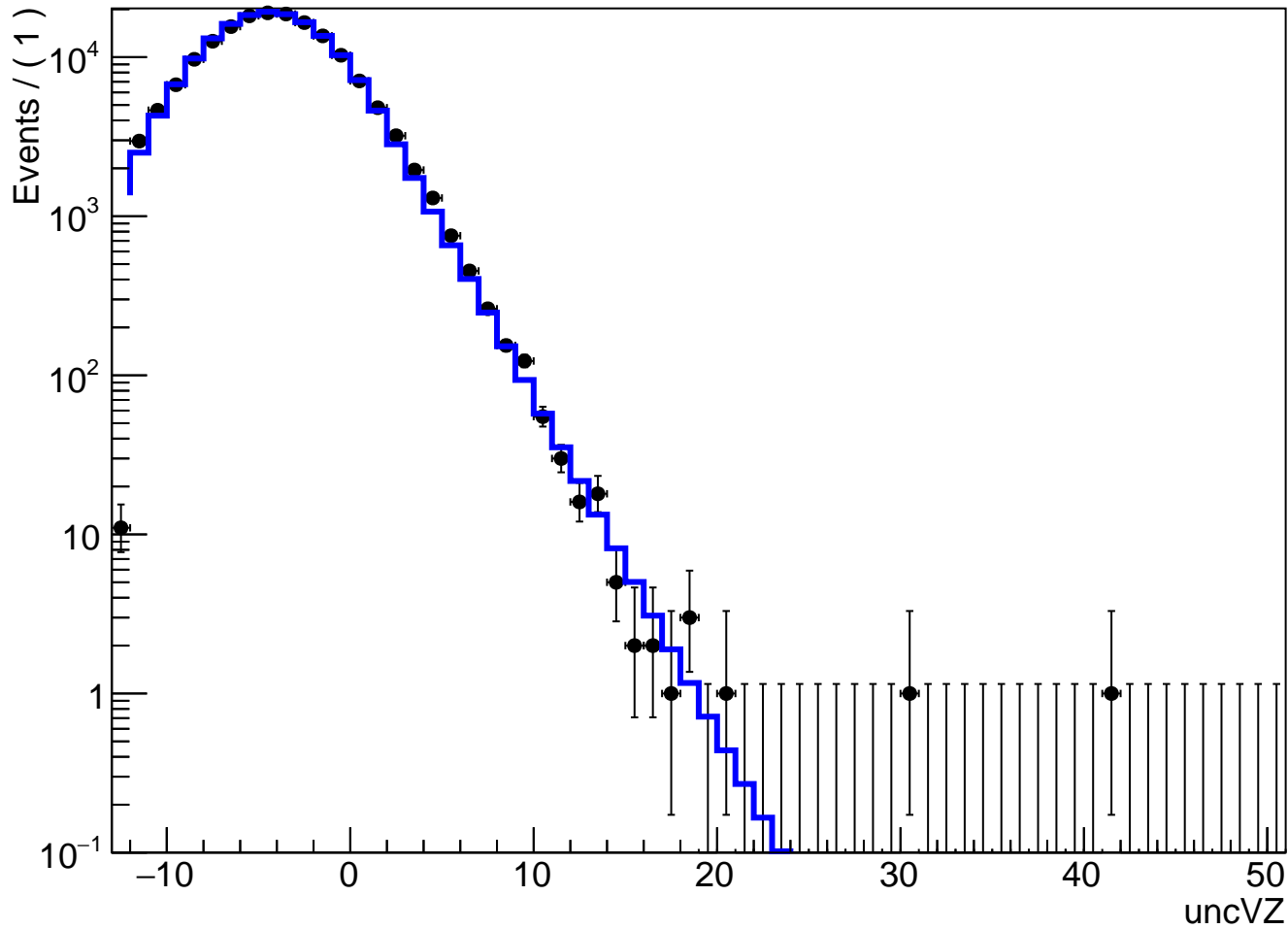
vertex Z, mass 0.0444897959184 +/- 0.00334829597484 GeV, zcut 21.6432354714 mm



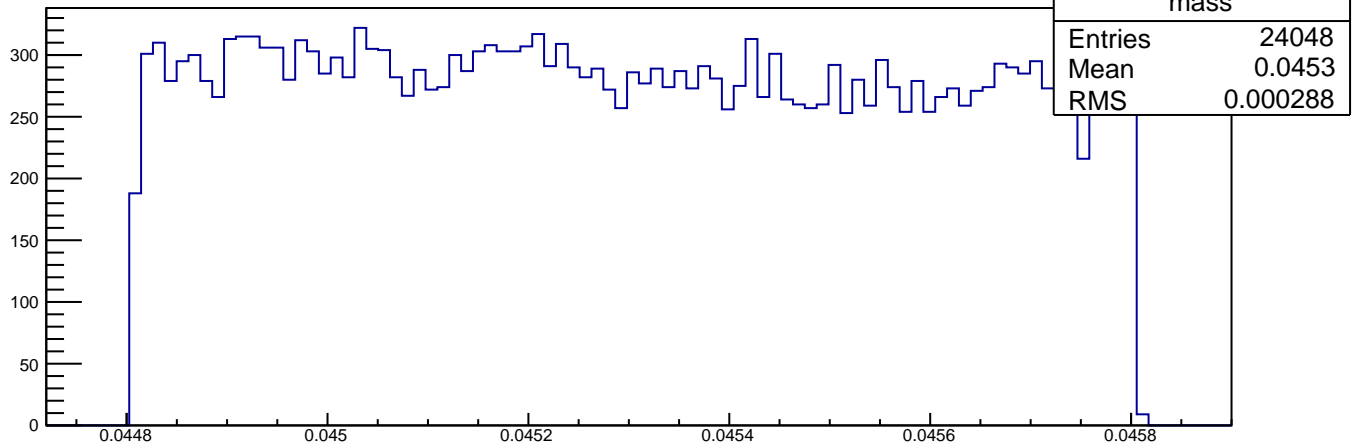
mass 0.0444897959184



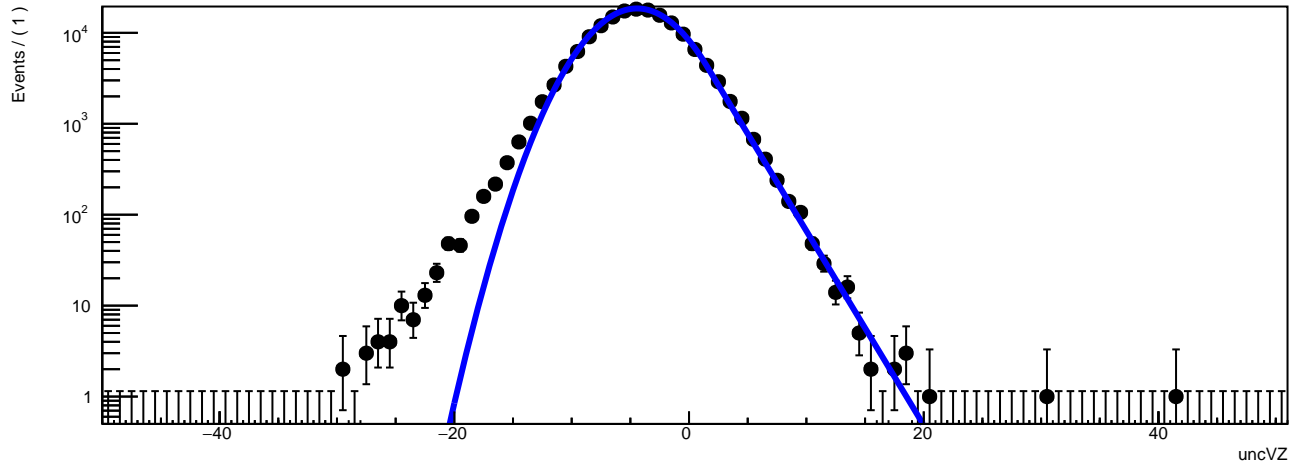
vertex Z, mass 0.0444897959184 +/- 0.00334829597484 GeV, zcut 21.6432354714 mm



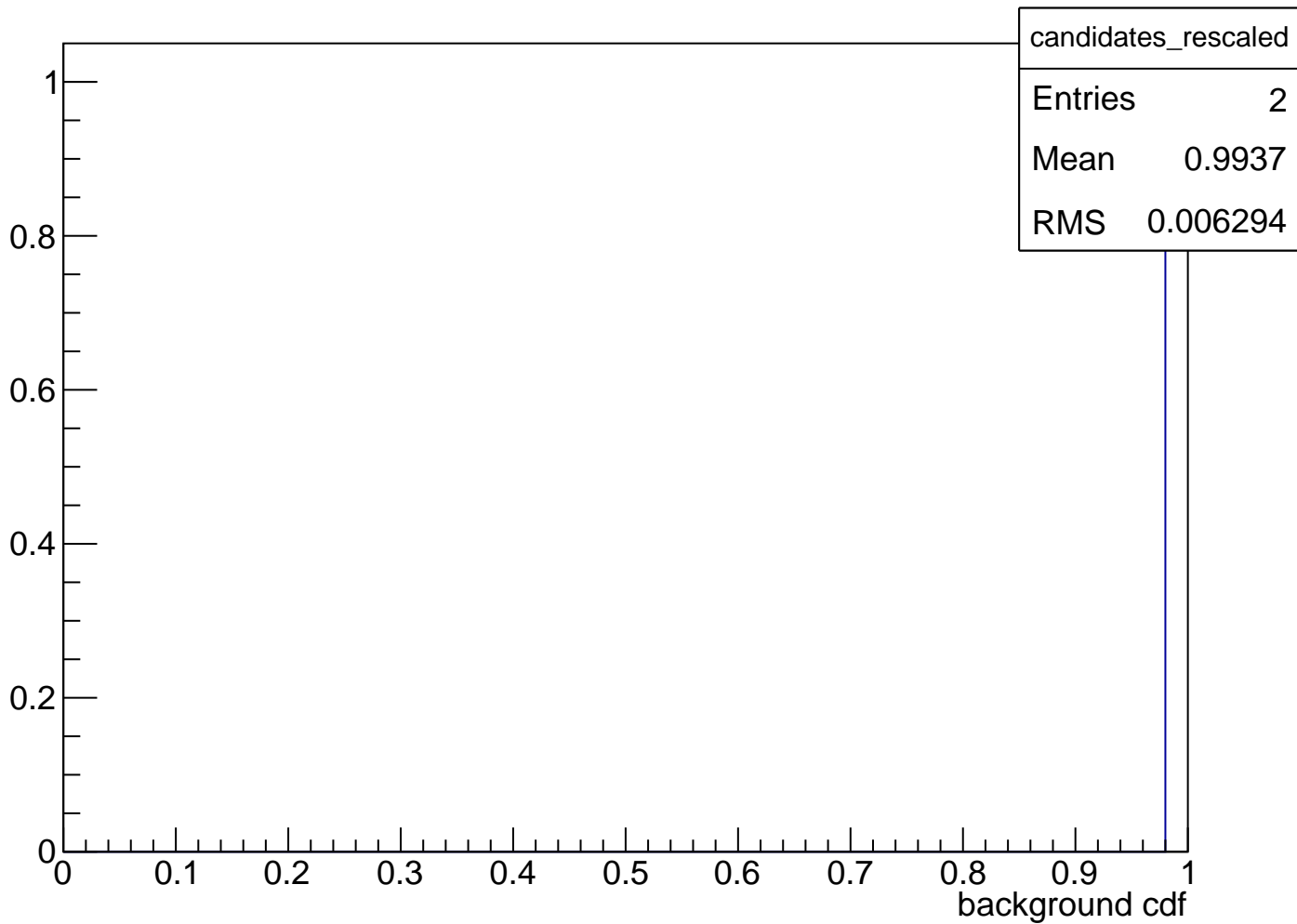
uncM {abs(uncM-0.045306122449)<0.0005}



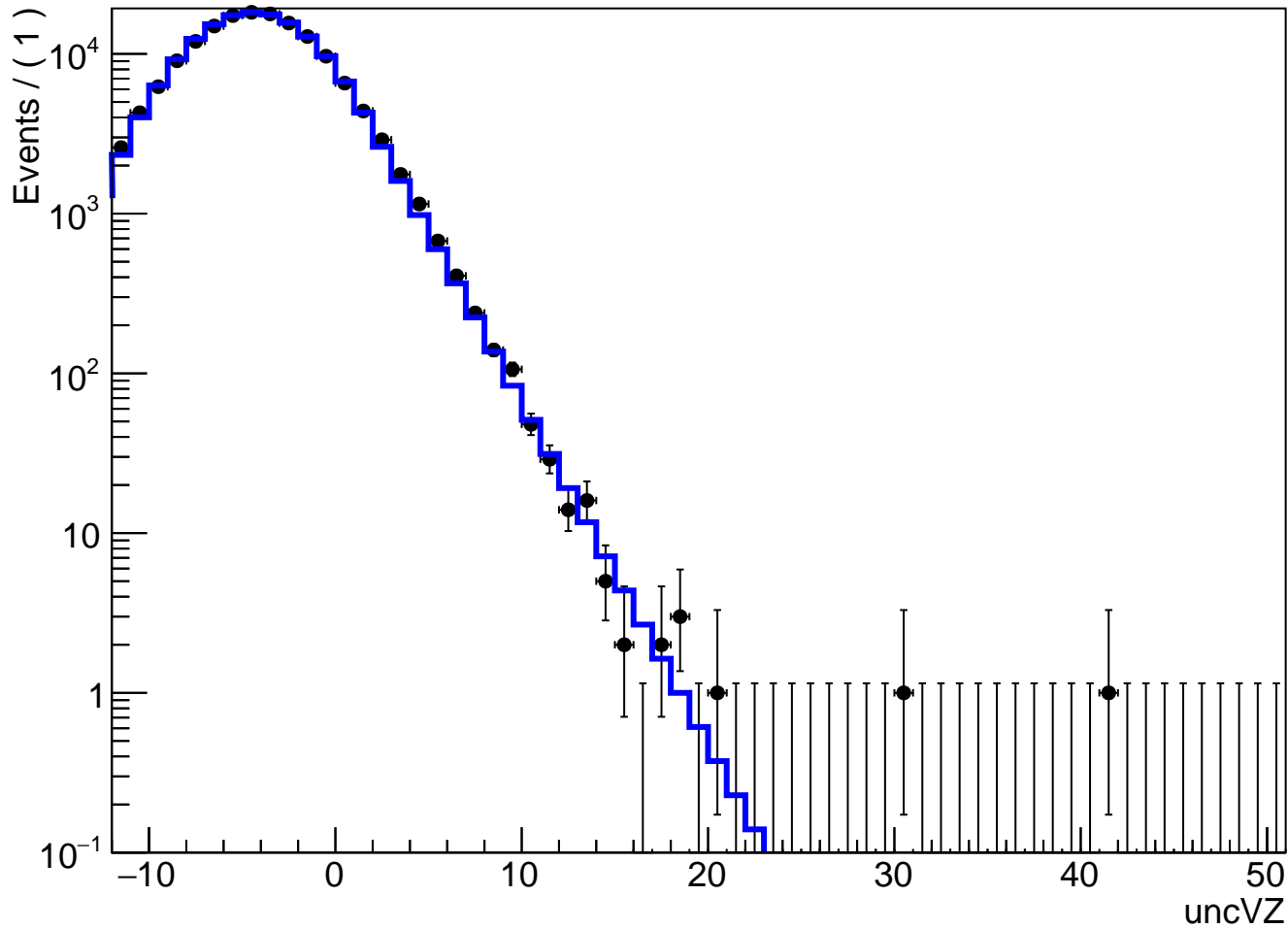
vertex Z, mass 0.045306122449 +/- 0.00339135793112 GeV, zcut 21.2803287908 mm



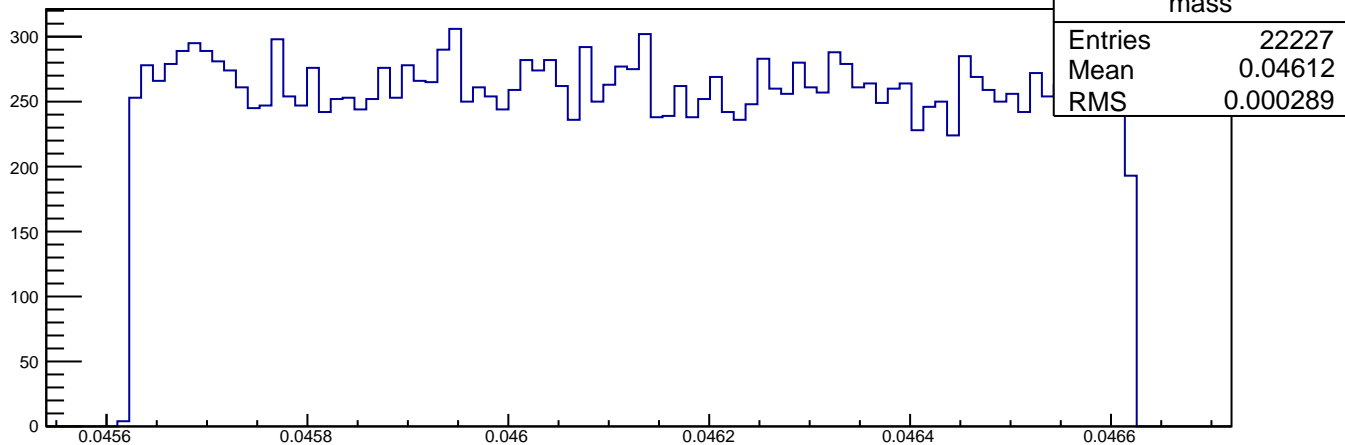
mass 0.045306122449



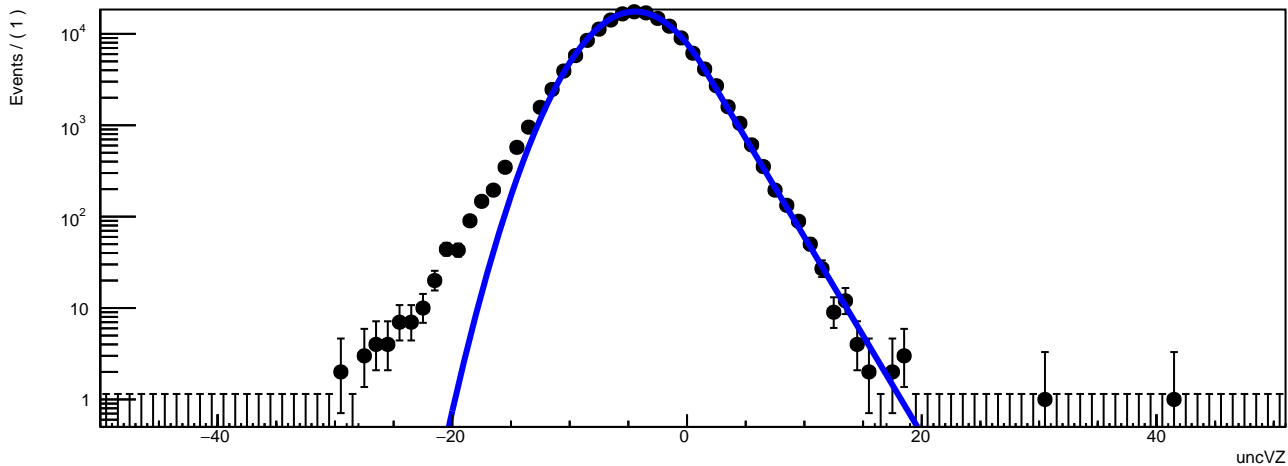
vertex Z, mass $0.045306122449 \pm 0.00339135793112$ GeV, zcut 21.2803287908 mm



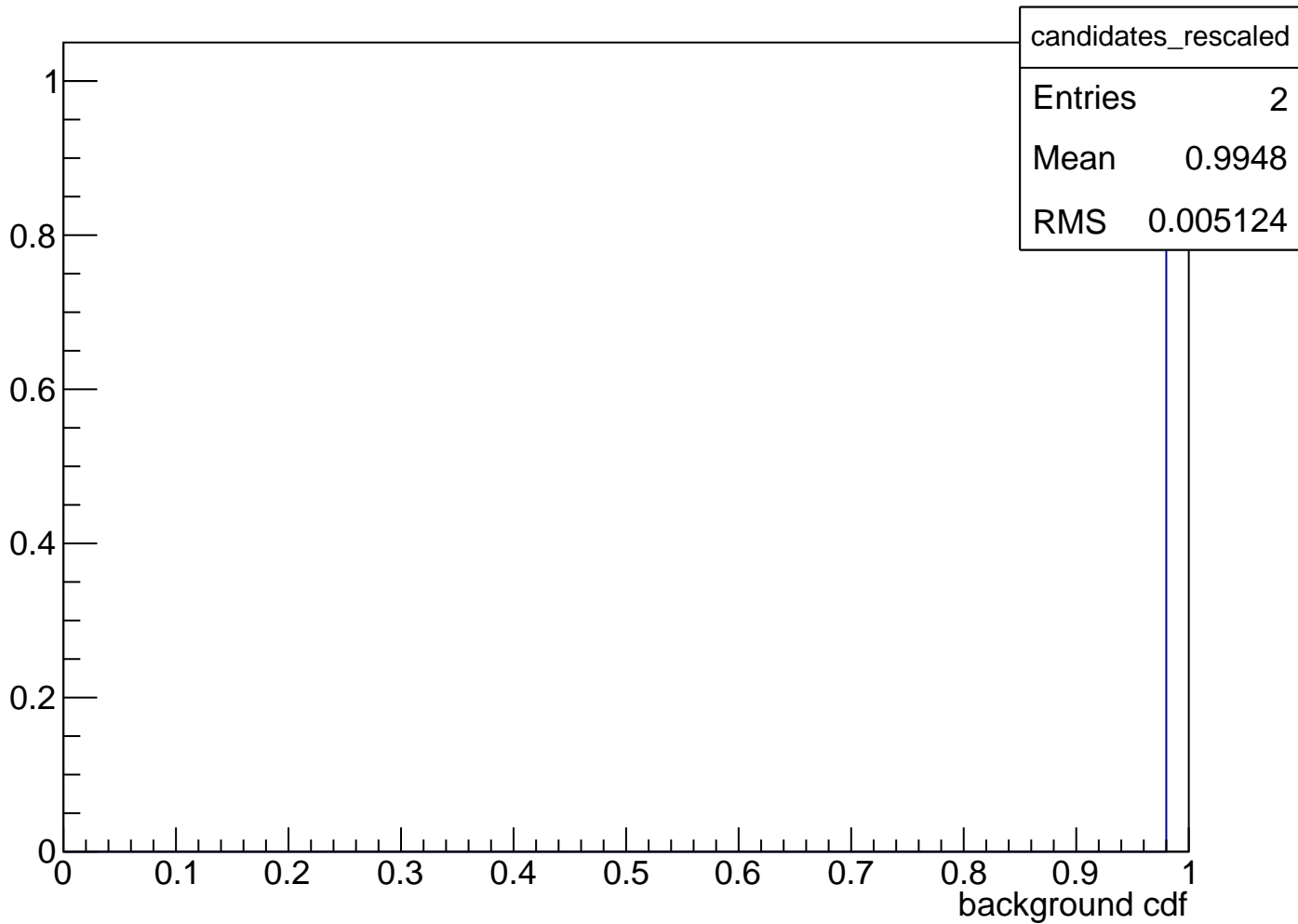
uncM {abs(uncM-0.0461224489796)<0.0005}



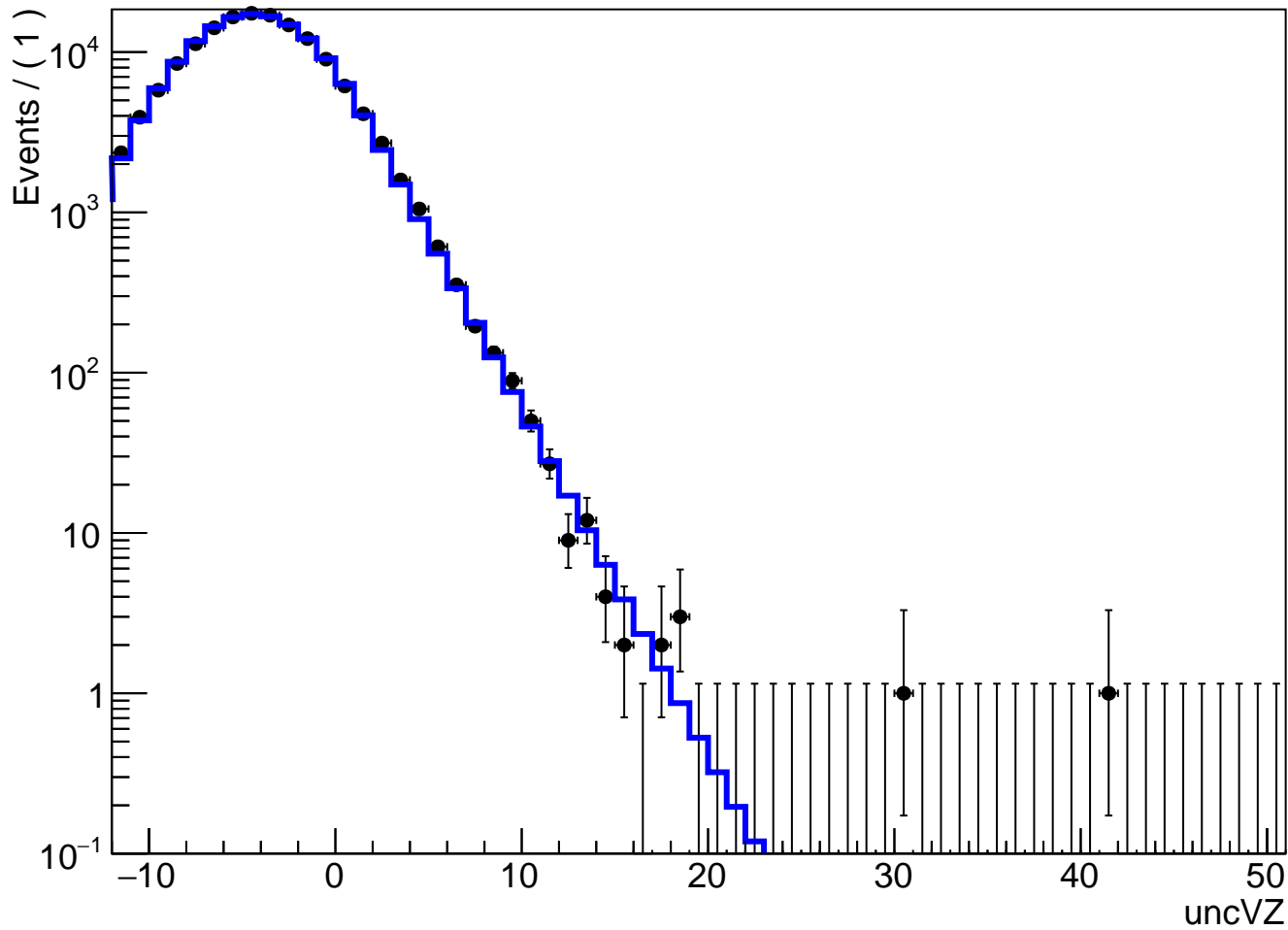
vertex Z, mass 0.0461224489796 +/- 0.00343441988741 GeV, zcut 20.9485557505 mm



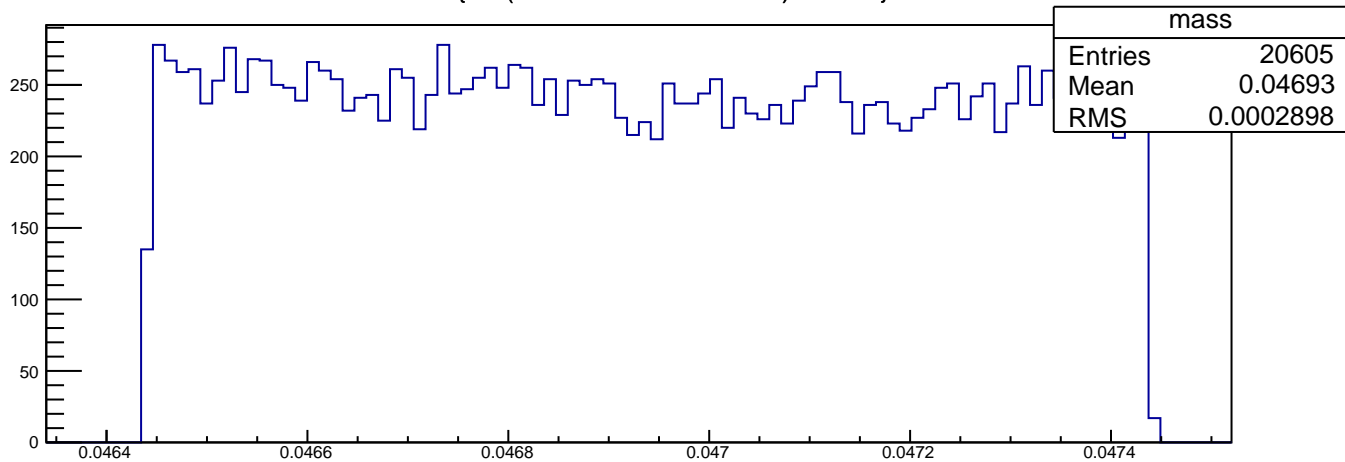
mass 0.0461224489796



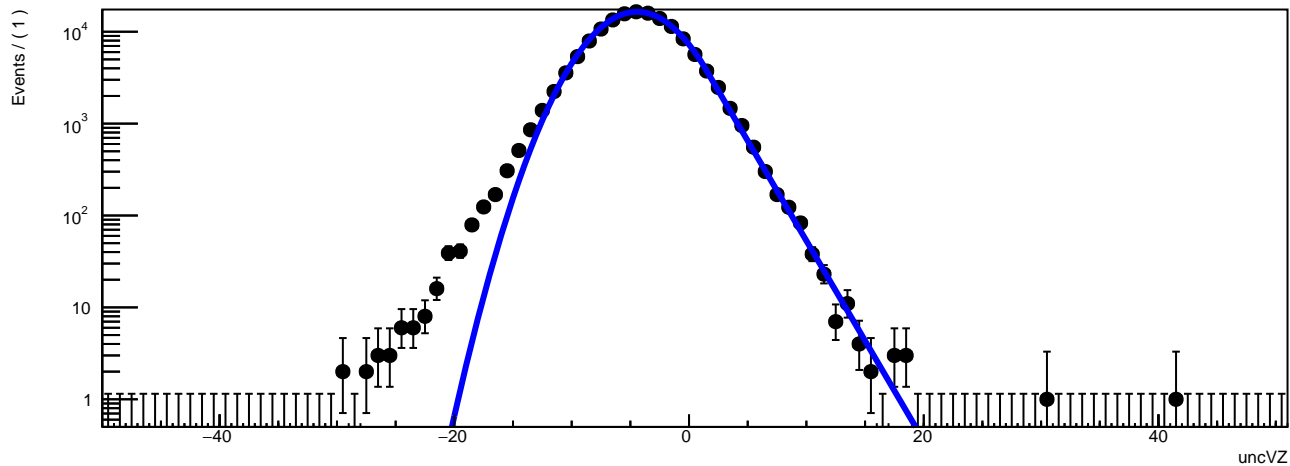
vertex Z, mass $0.0461224489796 \pm 0.00343441988741$ GeV, zcut 20.9485557505 mm



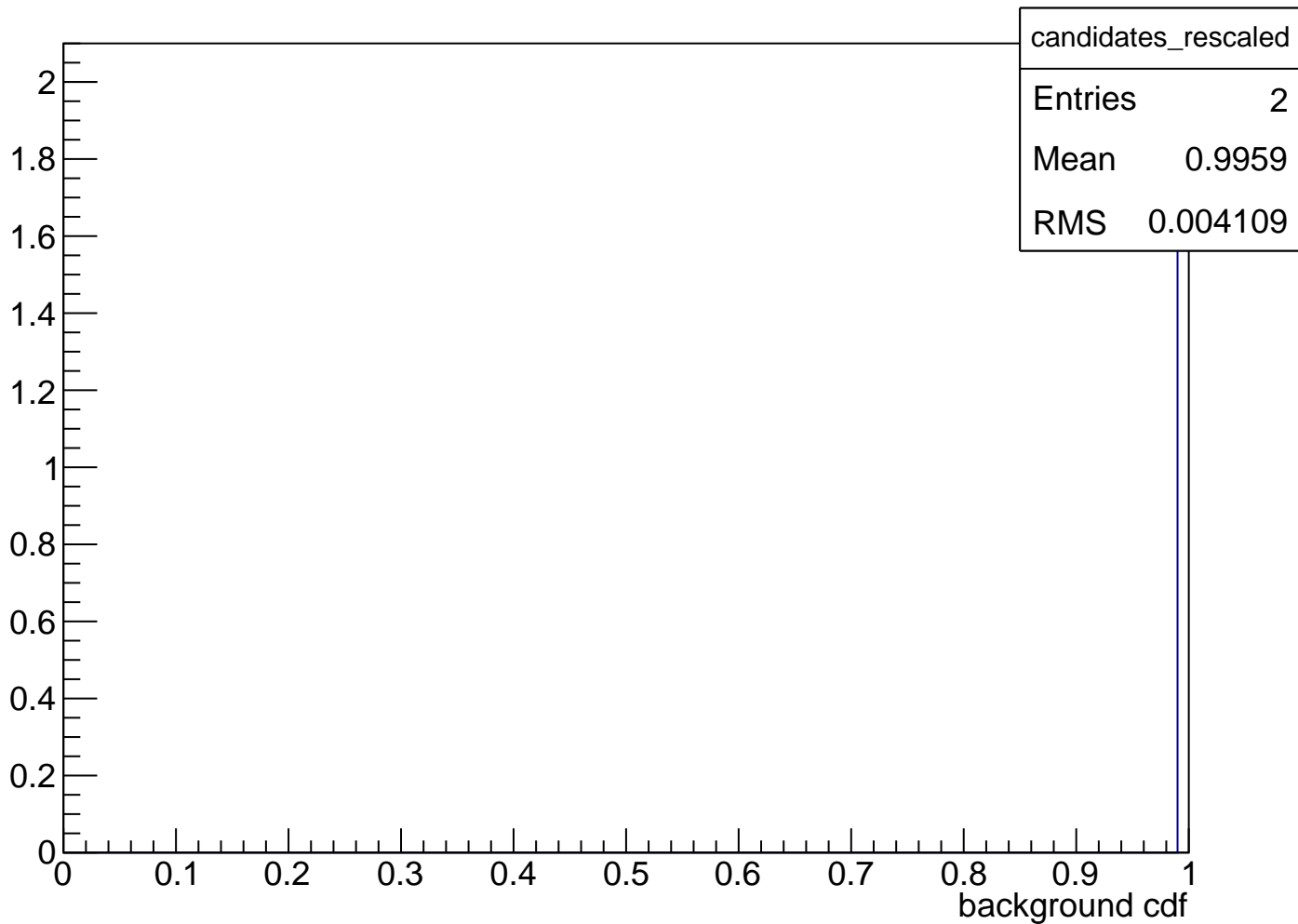
uncM {abs(uncM-0.0469387755102)<0.0005}



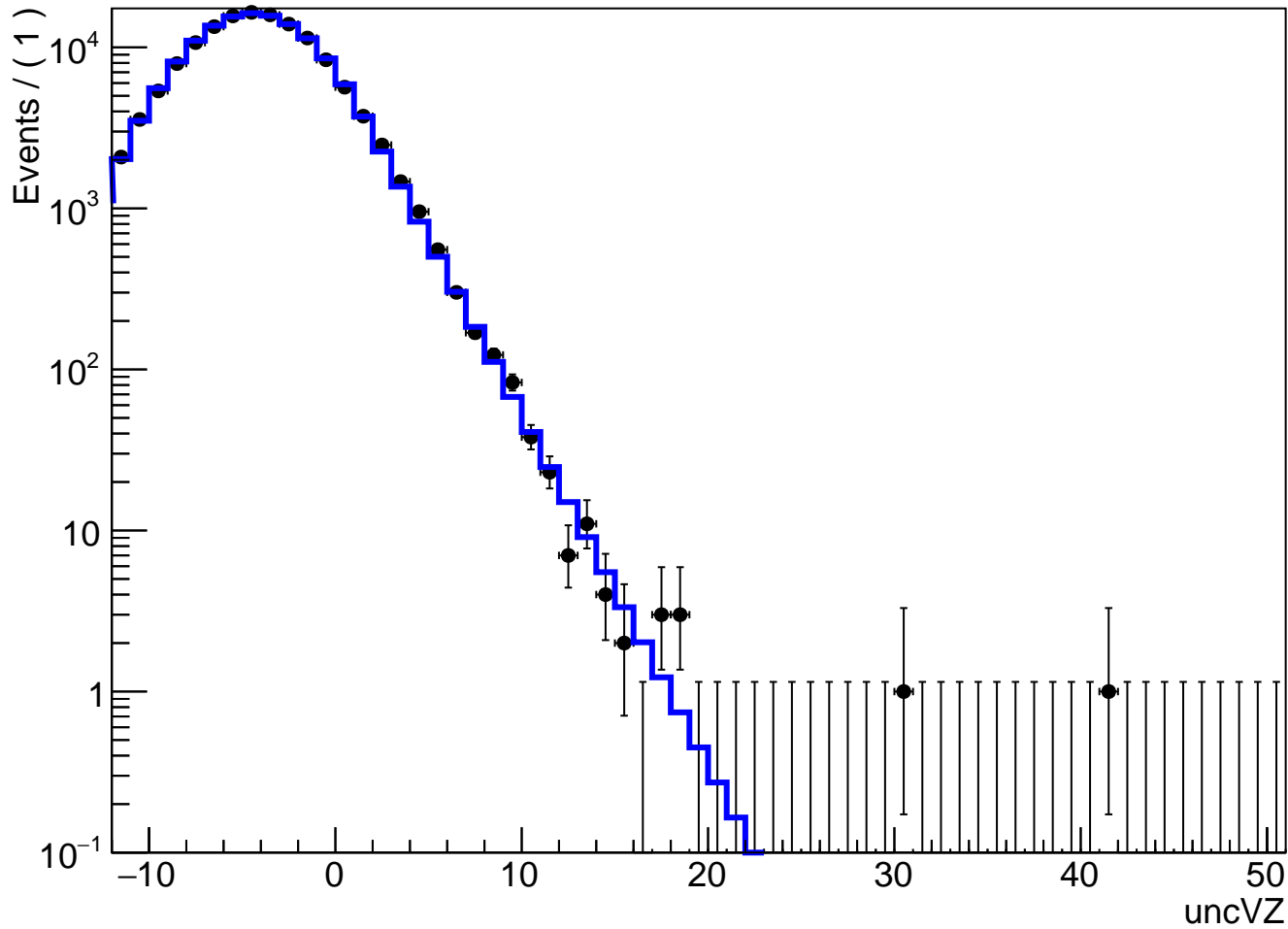
vertex Z, mass 0.0469387755102 +/- 0.00347748184369 GeV, zcut 20.591223396 mm



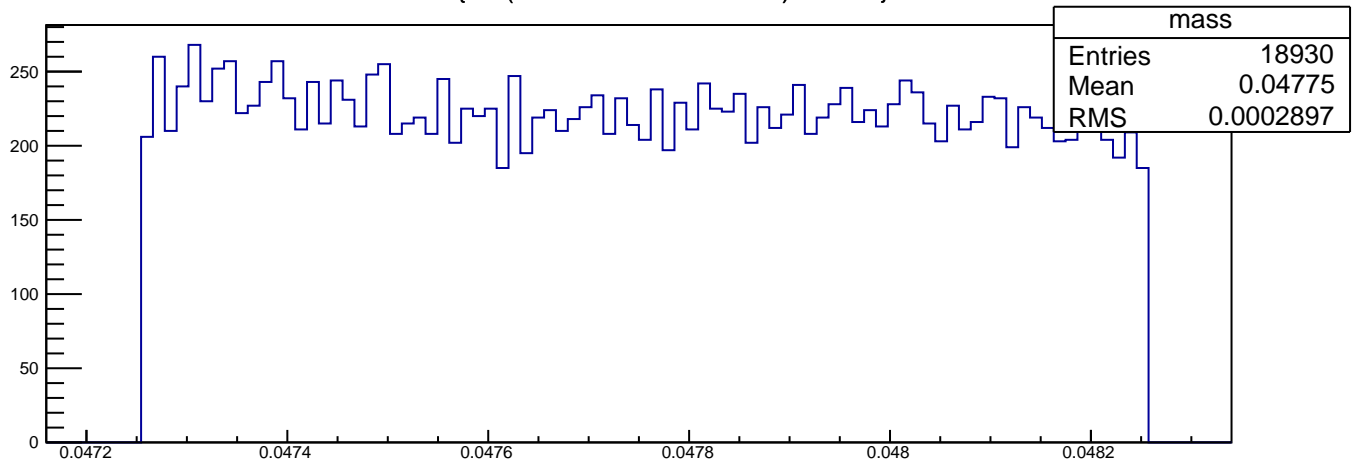
mass 0.0469387755102



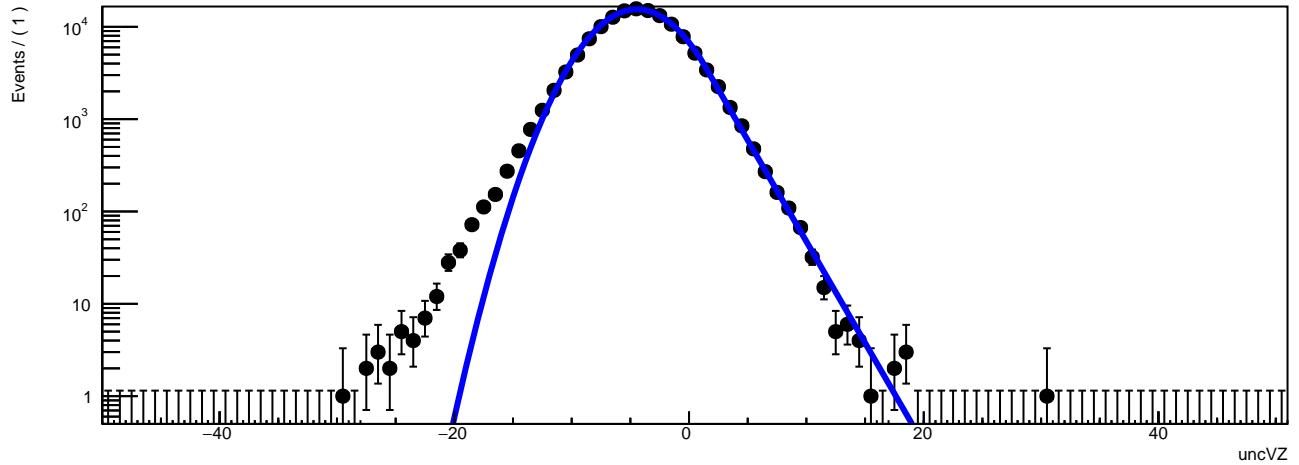
vertex Z, mass $0.0469387755102 \pm 0.00347748184369$ GeV, zcut 20.591223396 mm



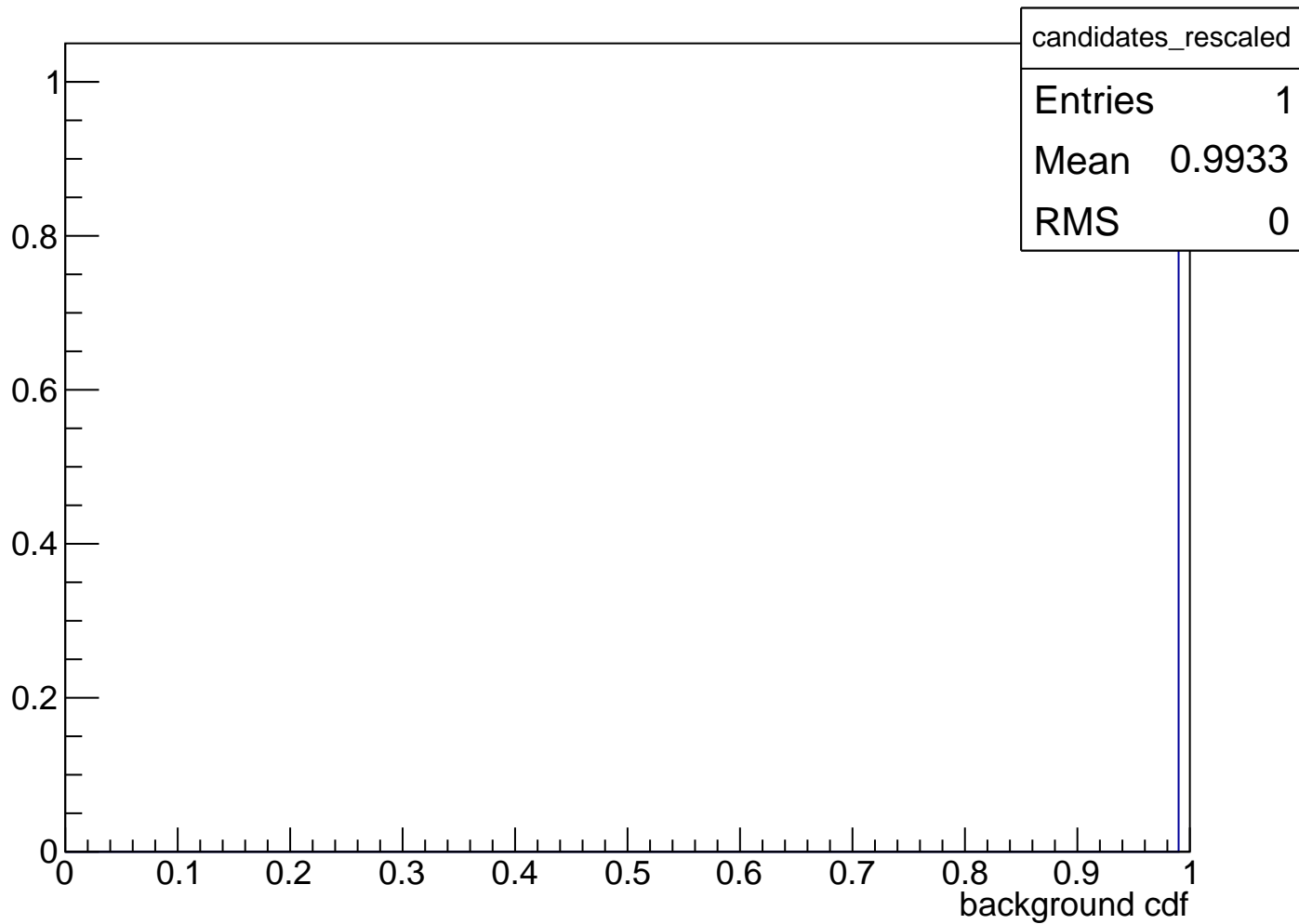
uncM {abs(uncM-0.0477551020408)<0.0005}



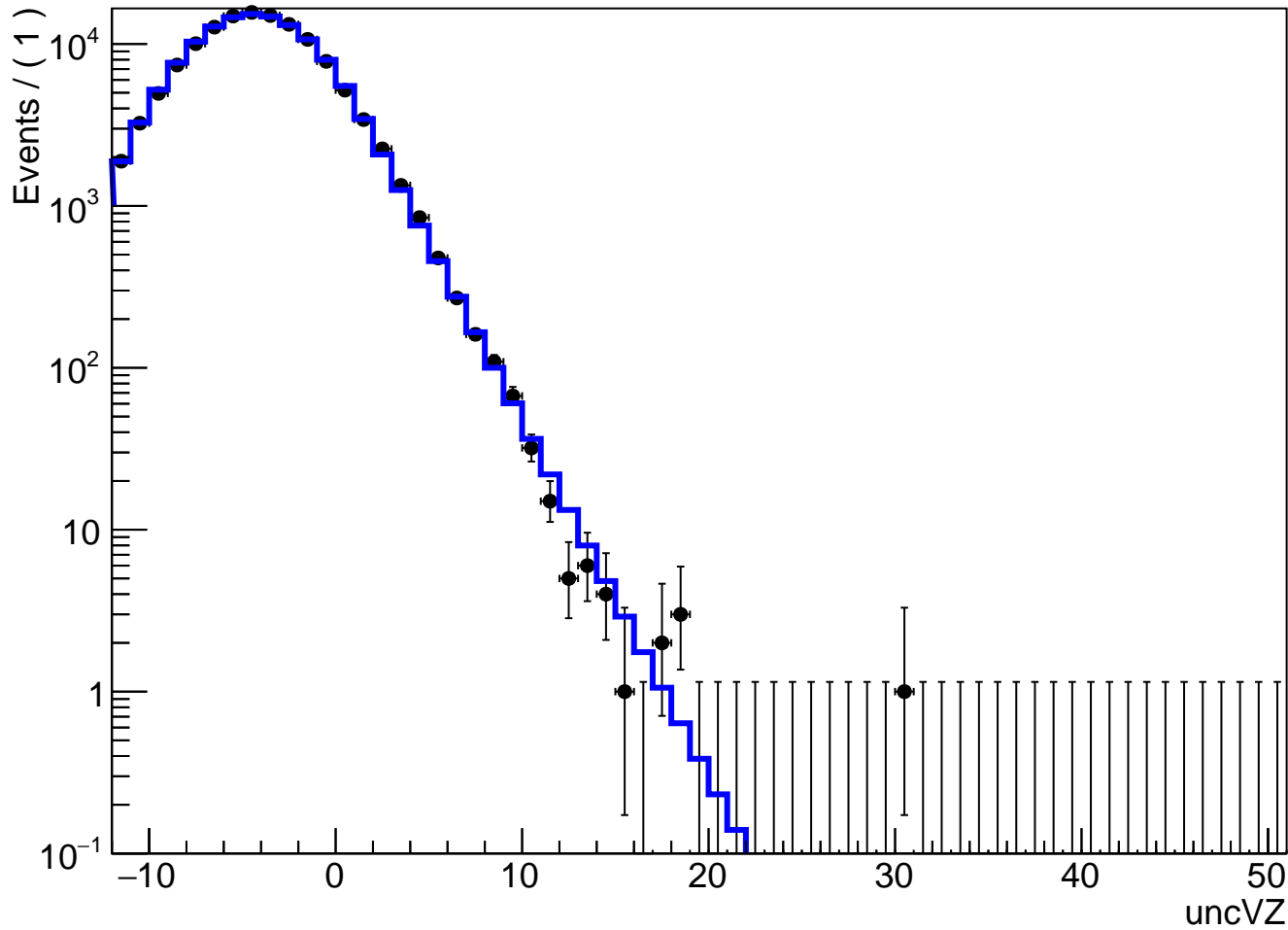
vertex Z, mass 0.0477551020408 +/- 0.00352054379998 GeV, zcut 20.2515050523 mm



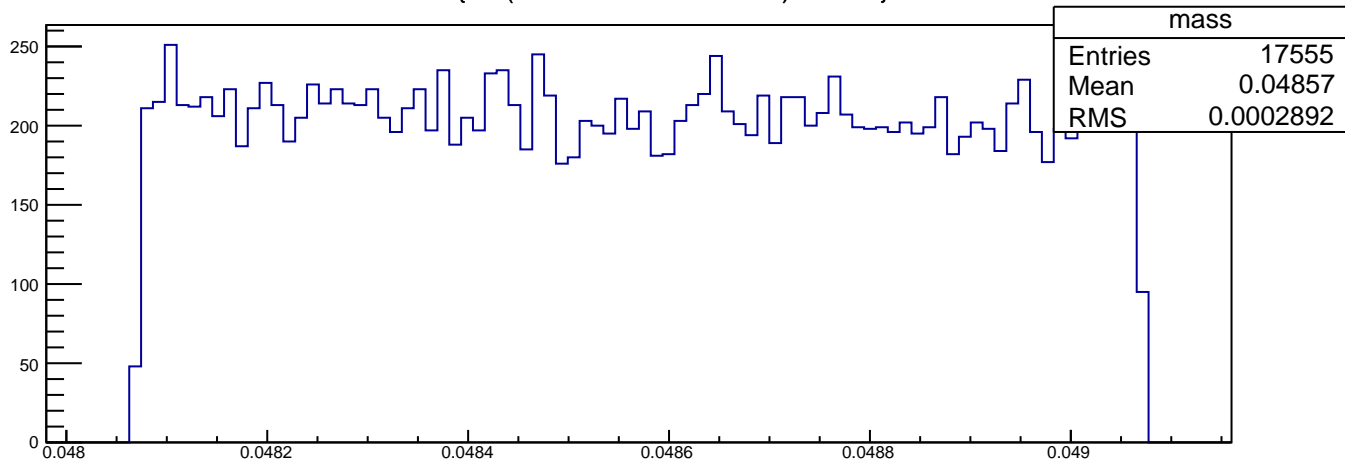
mass 0.0477551020408



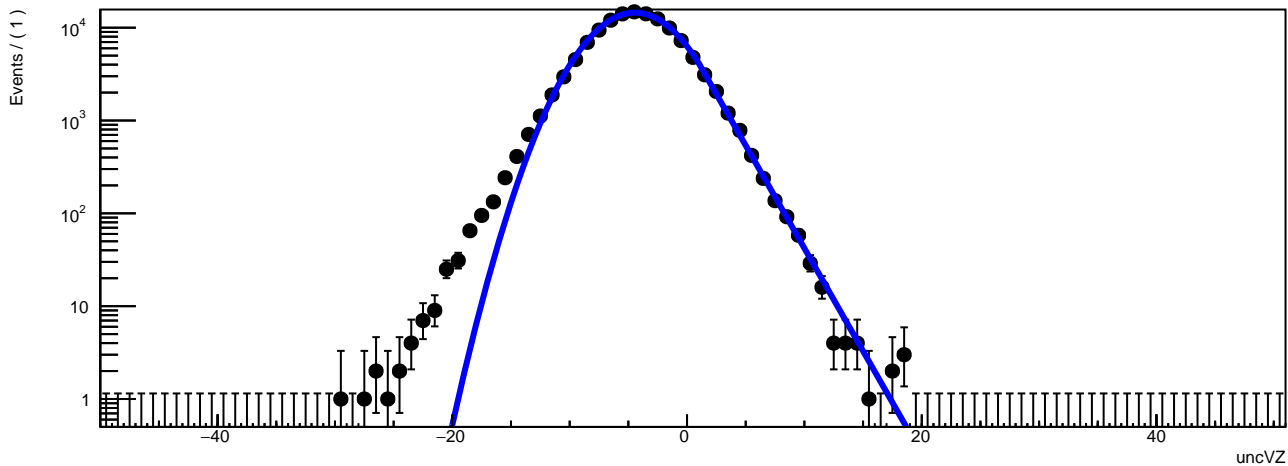
vertex Z, mass $0.0477551020408 \pm 0.00352054379998$ GeV, zcut 20.2515050523 mm



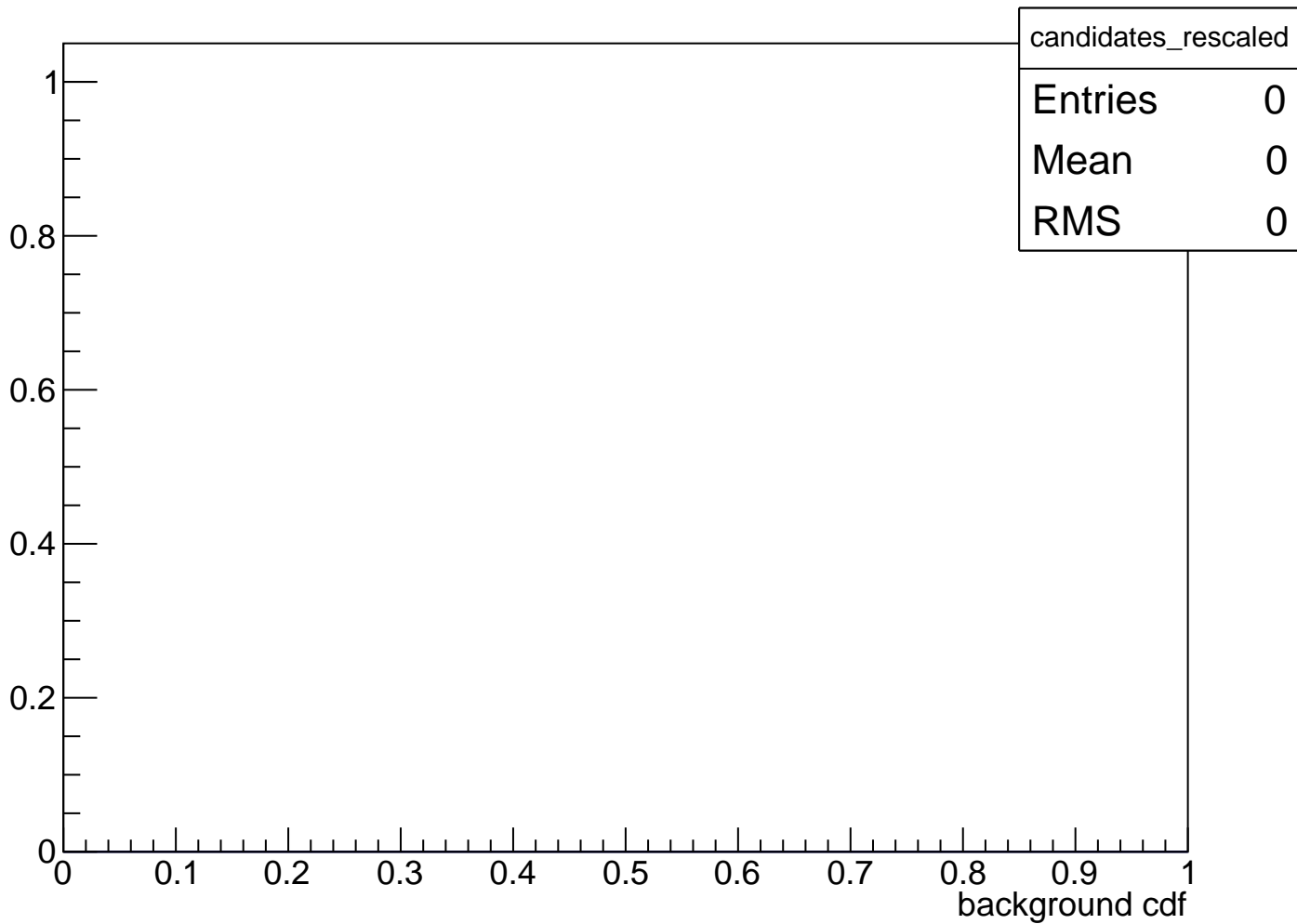
uncM {abs(uncM-0.0485714285714)<0.0005}



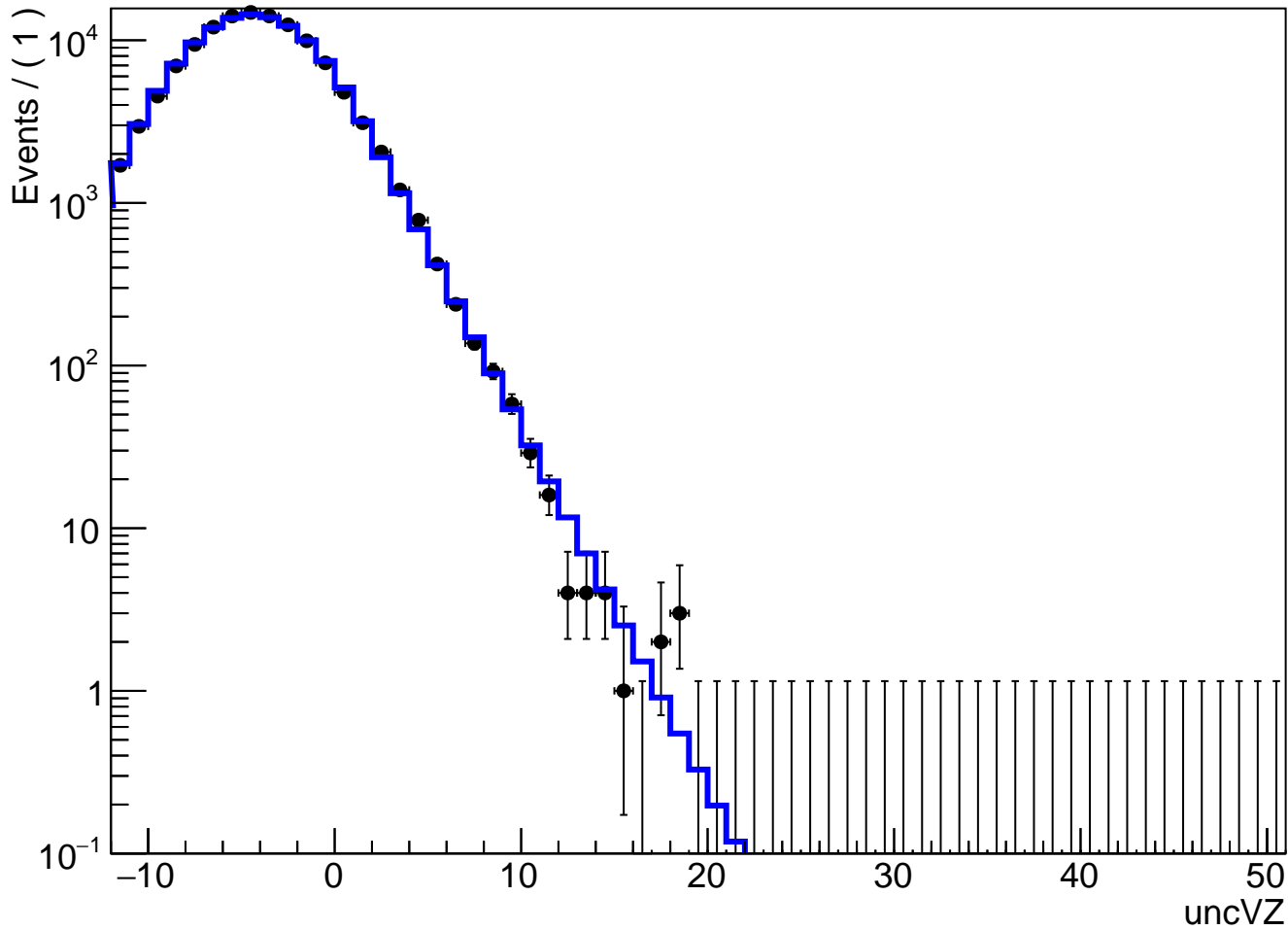
vertex Z, mass 0.0485714285714 +/- 0.00356360575626 GeV, zcut 19.915025214 mm



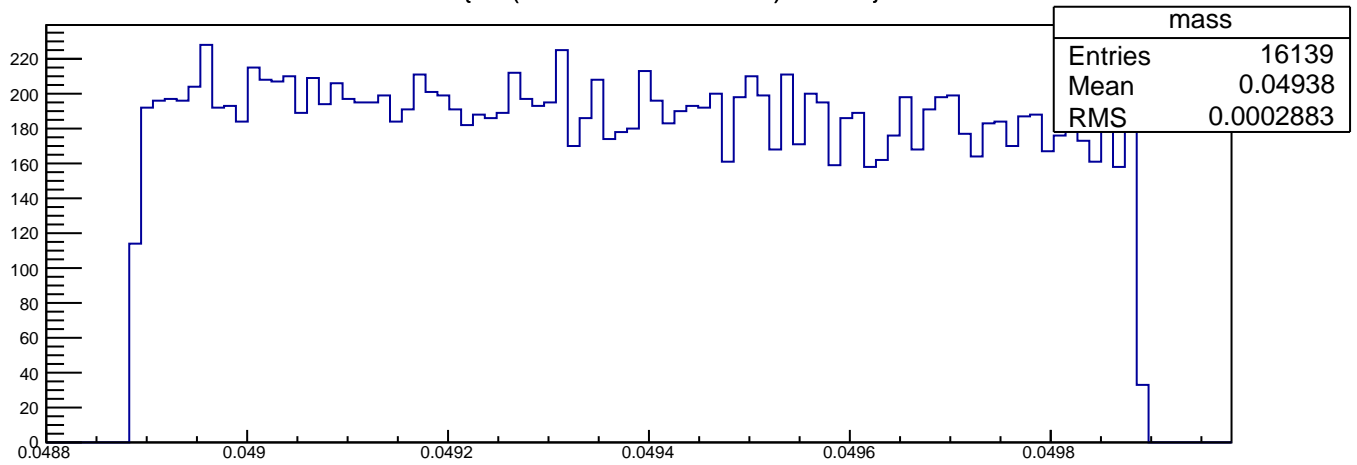
mass 0.0485714285714



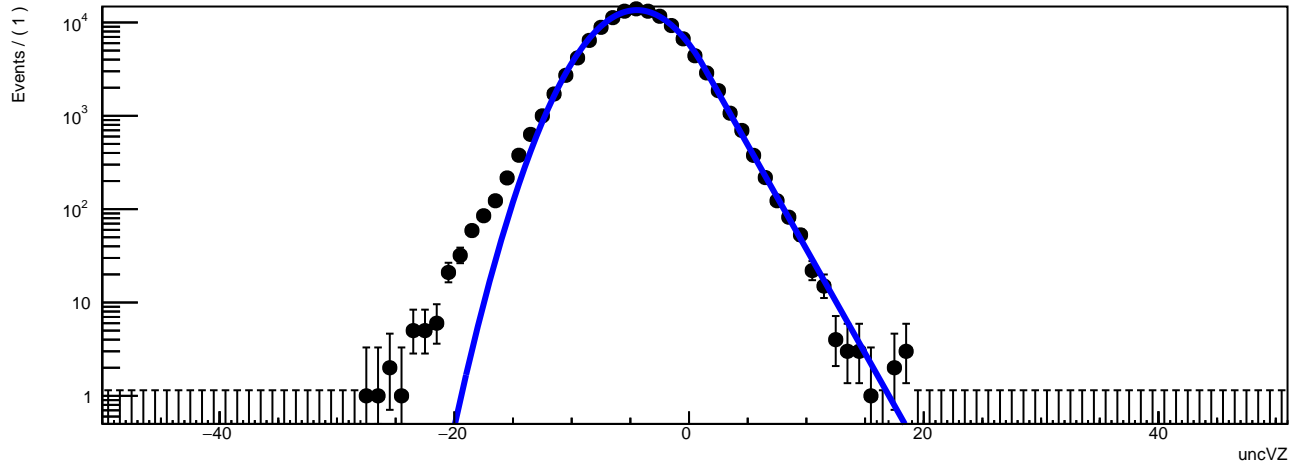
vertex Z, mass $0.0485714285714 \pm 0.00356360575626$ GeV, zcut 19.915025214 mm



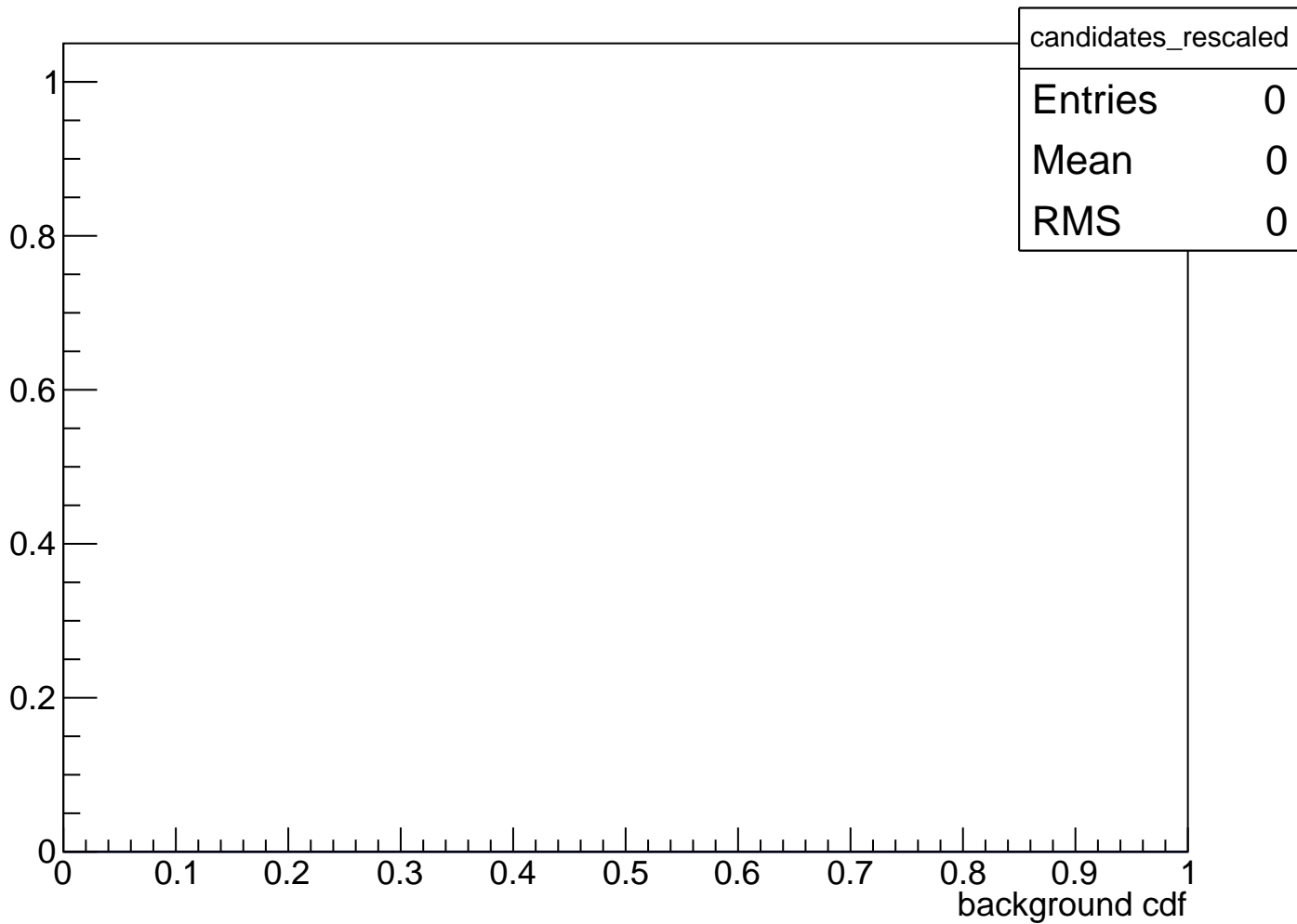
uncM {abs(uncM-0.049387755102)<0.0005}



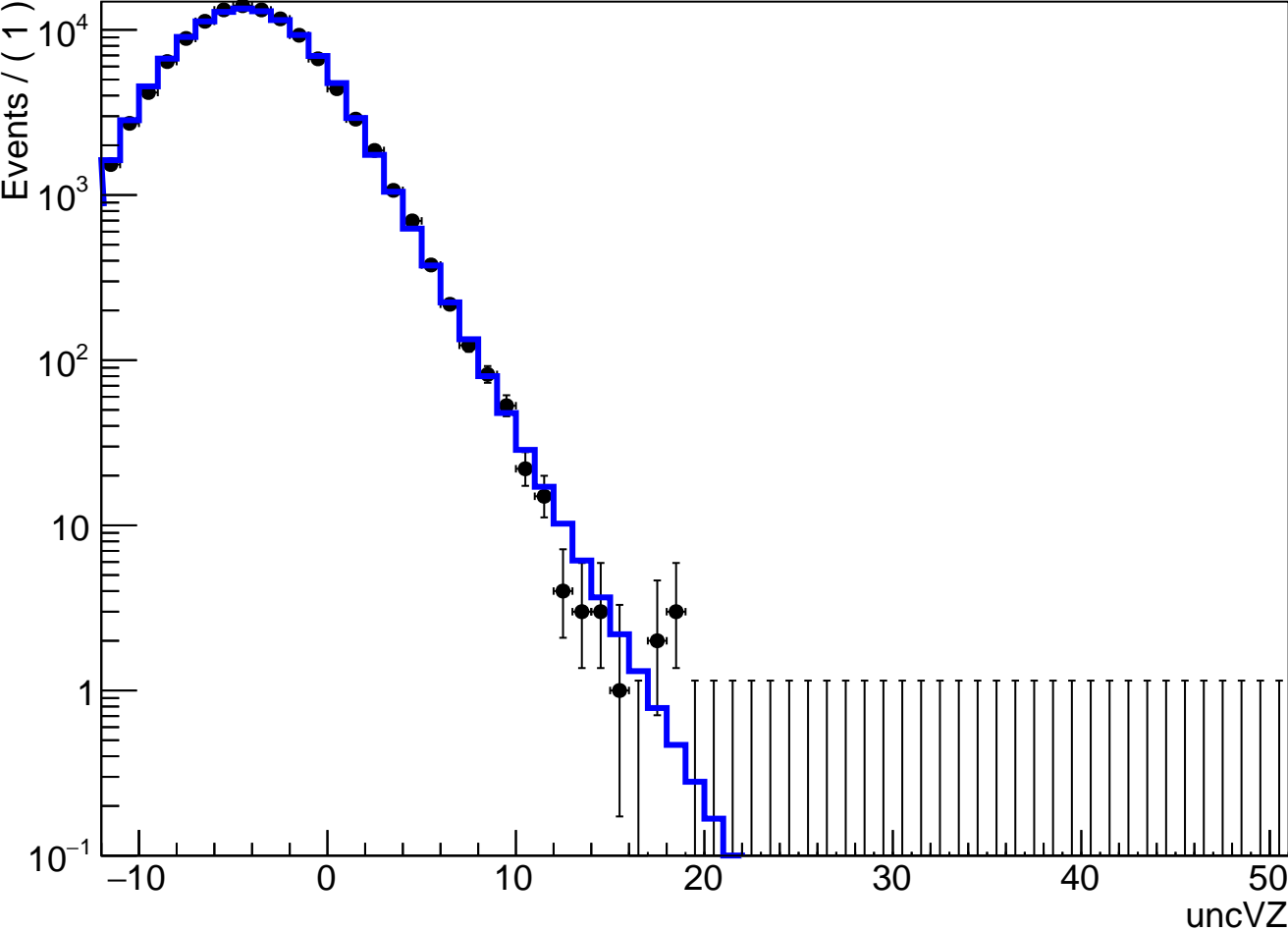
vertex Z, mass 0.049387755102 +/- 0.00360666771254 GeV, zcut 19.5843987662 mm



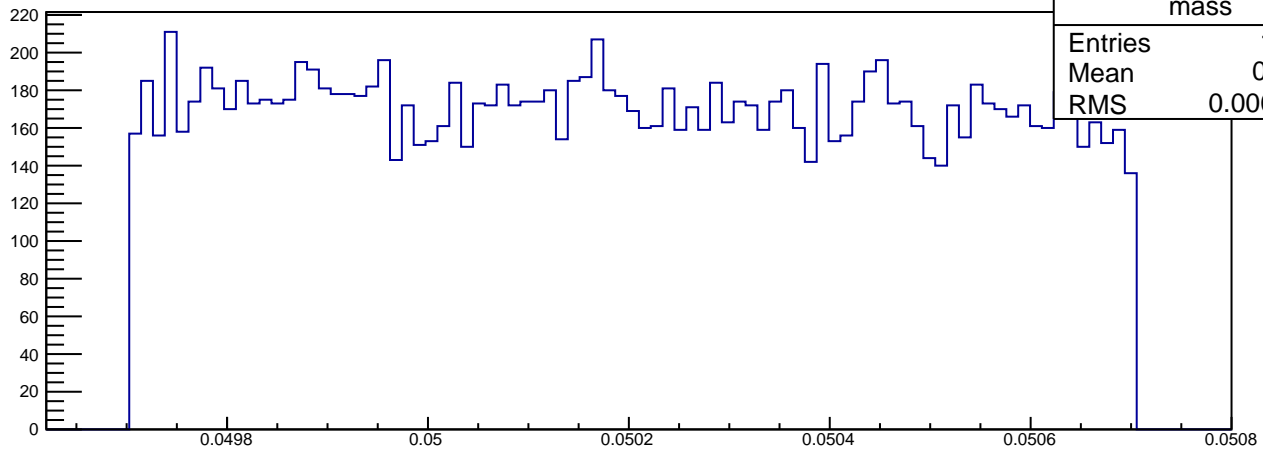
mass 0.049387755102



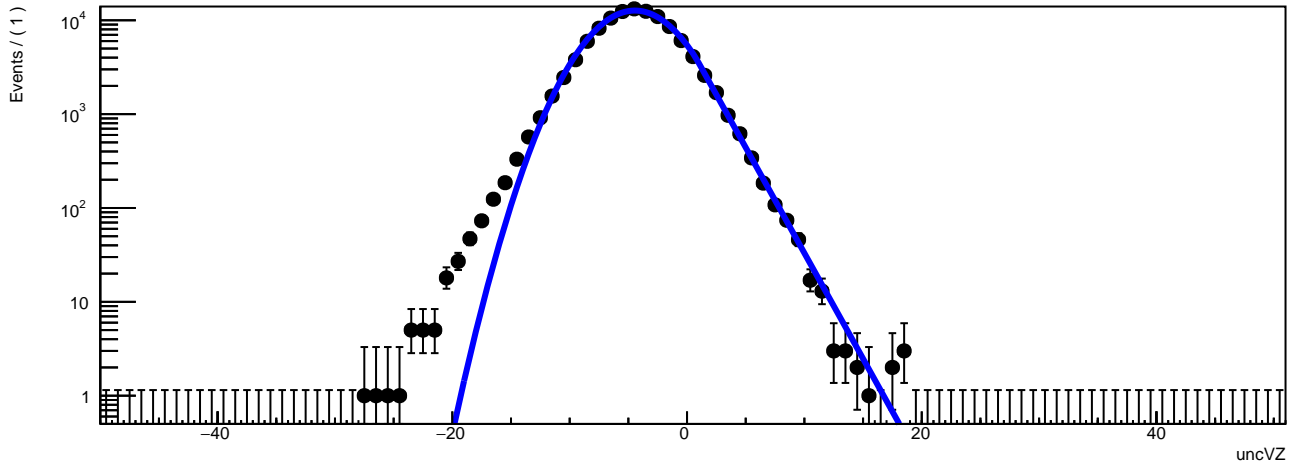
vertex Z, mass 0.049387755102 +/- 0.00360666771254 GeV, zcut 19.5843987662 mm



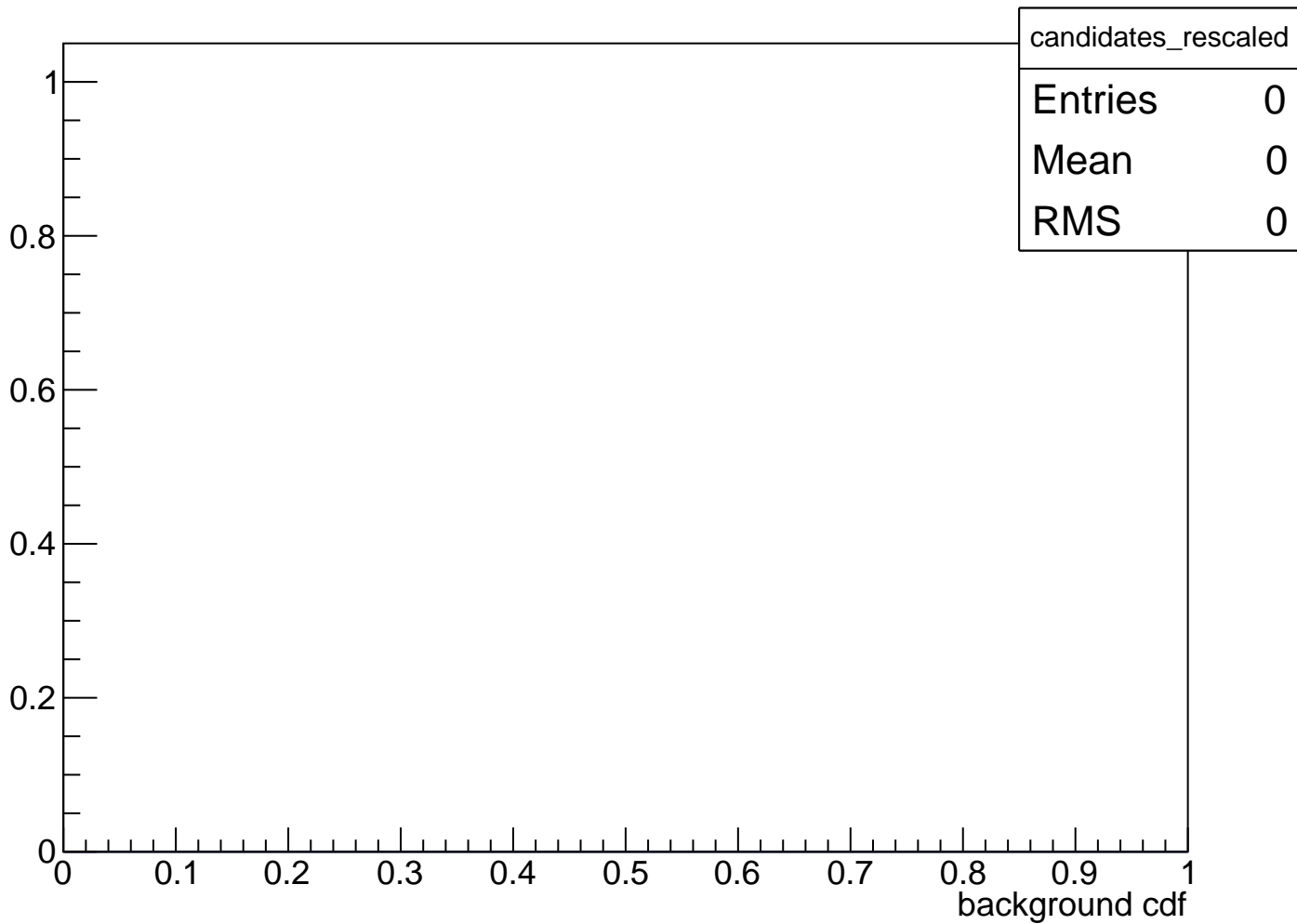
uncM {abs(uncM-0.0502040816327)<0.0005}



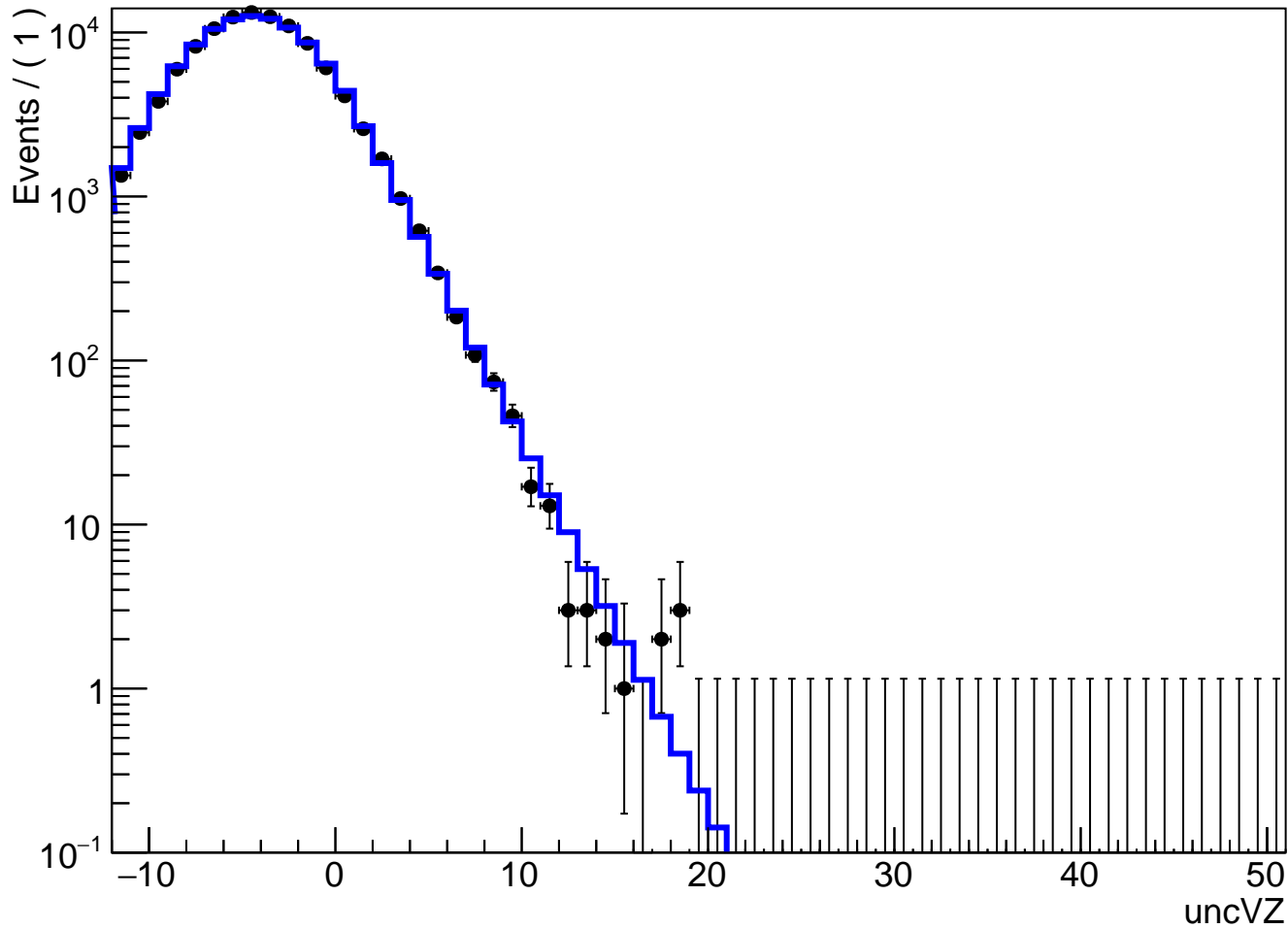
vertex Z, mass 0.0502040816327 +/- 0.00364972966883 GeV, zcut 19.2597577782 mm



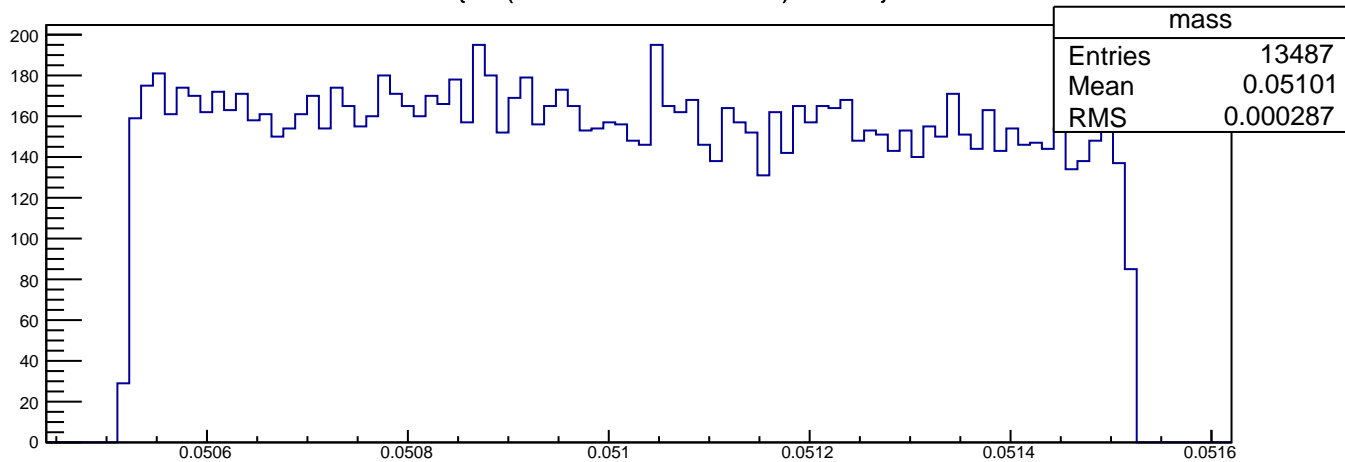
mass 0.0502040816327



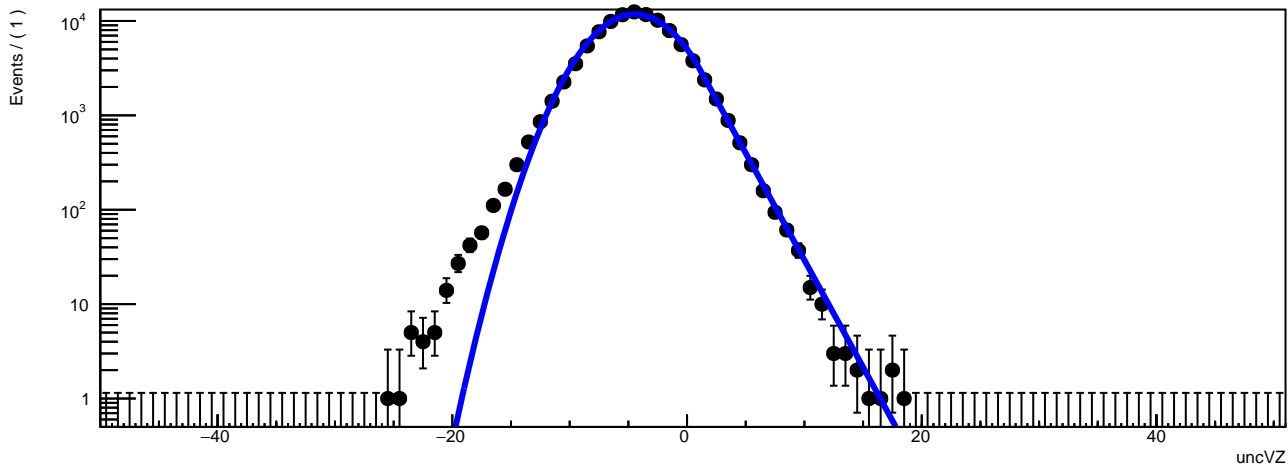
vertex Z, mass 0.0502040816327 +/- 0.00364972966883 GeV, zcut 19.2597577782 mm



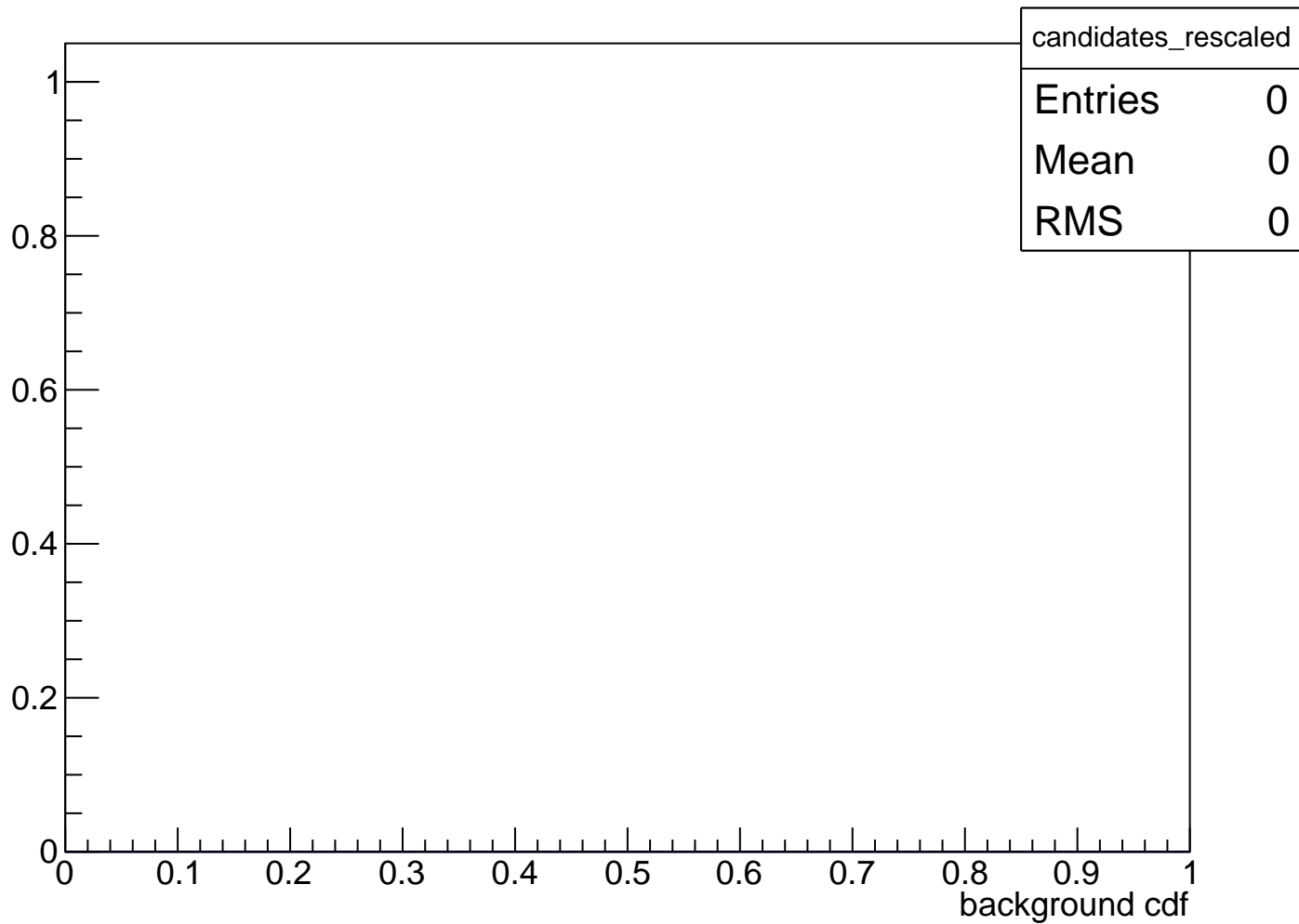
uncM {abs(uncM-0.0510204081633)<0.0005}



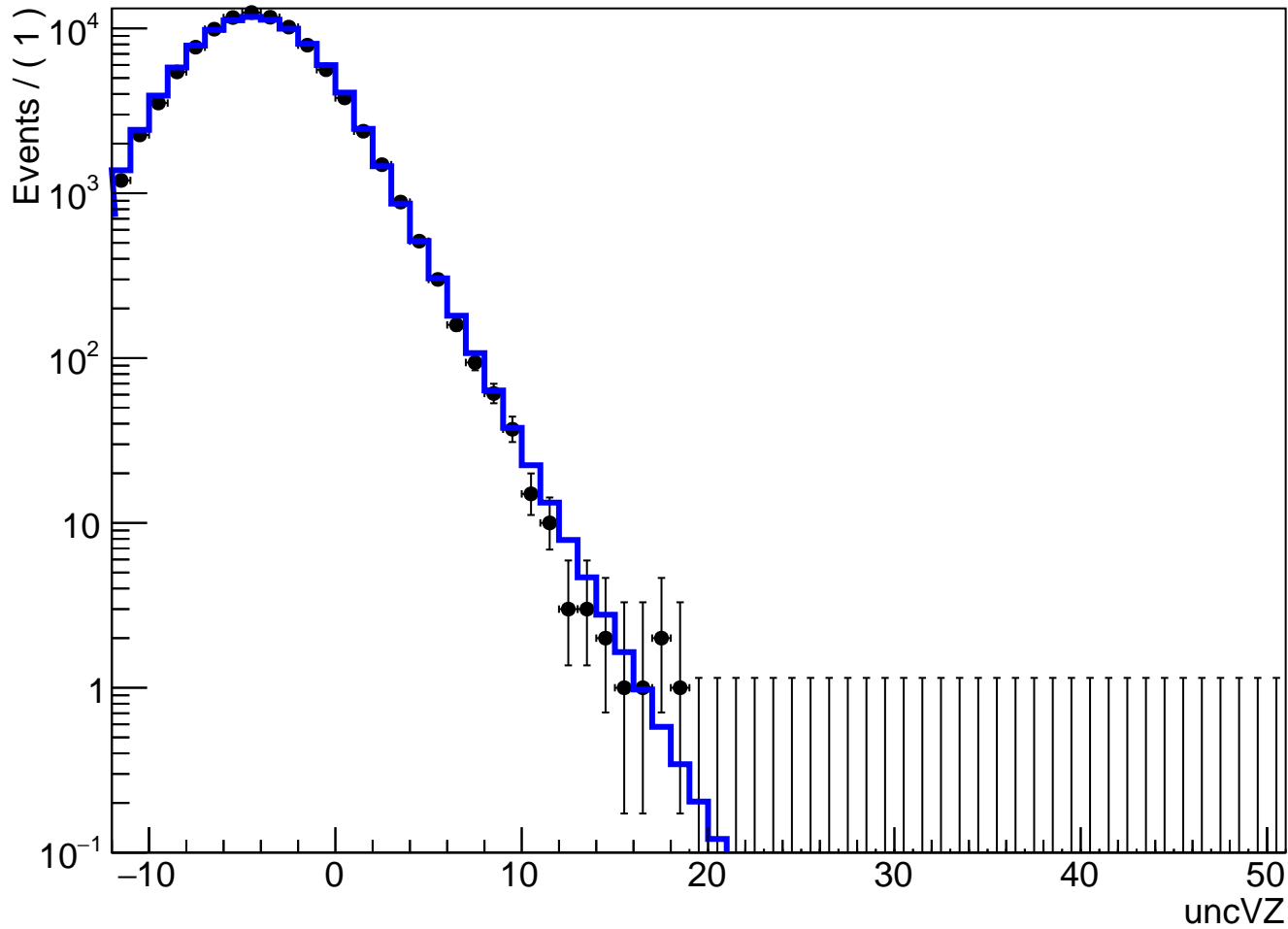
vertex Z, mass 0.0510204081633 +/- 0.00369279162511 GeV, zcut 18.9425697511 mm



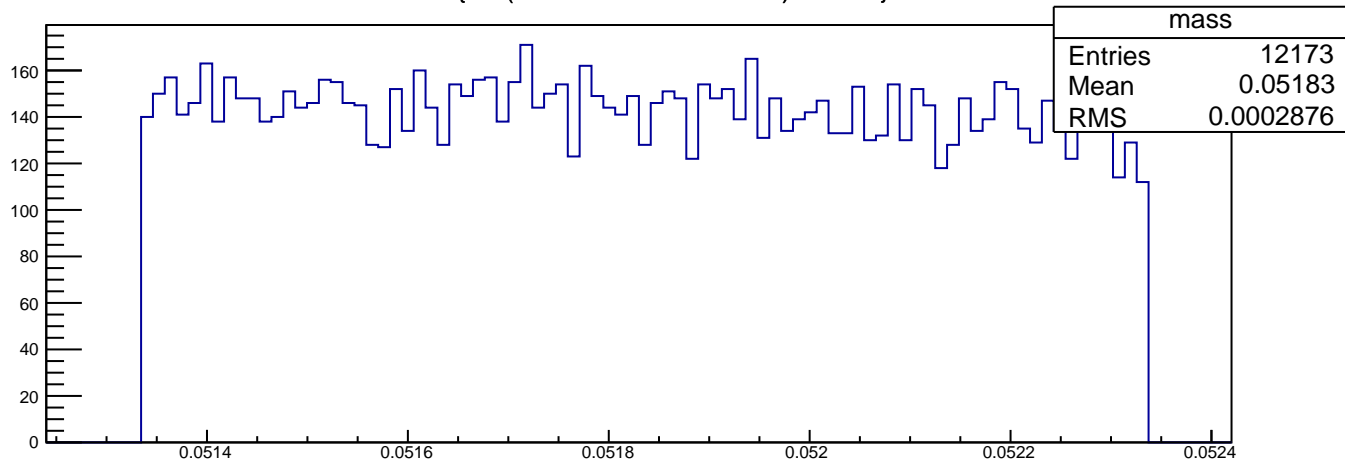
mass 0.0510204081633



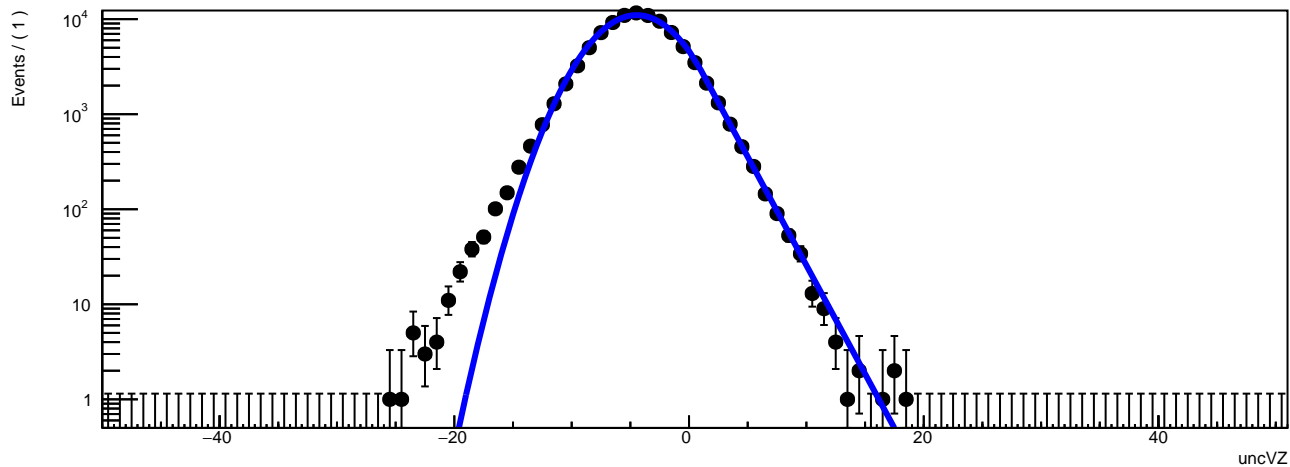
vertex Z, mass $0.0510204081633 \pm 0.00369279162511$ GeV, zcut 18.9425697511 mm



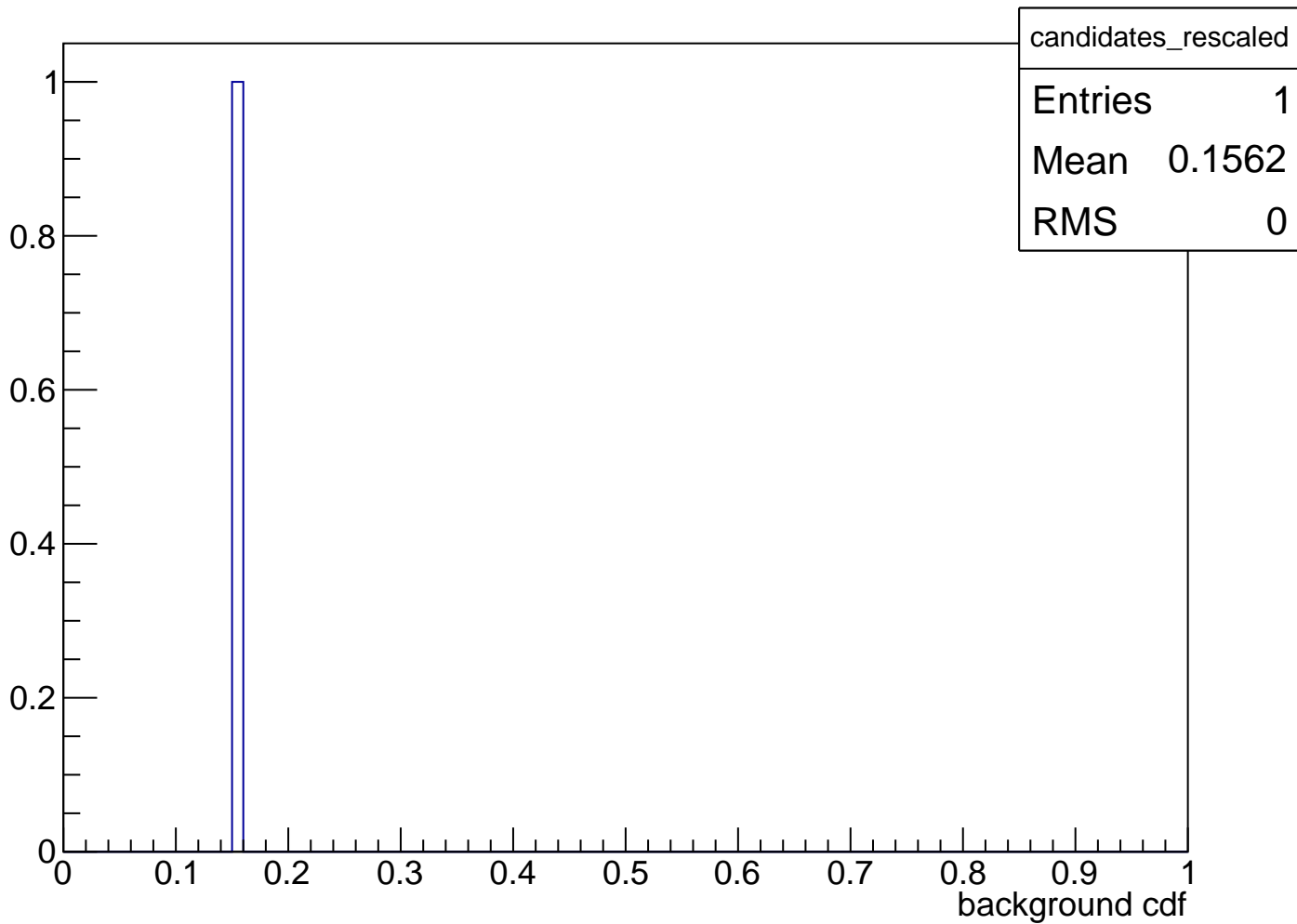
uncM {abs(uncM-0.0518367346939)<0.0005}



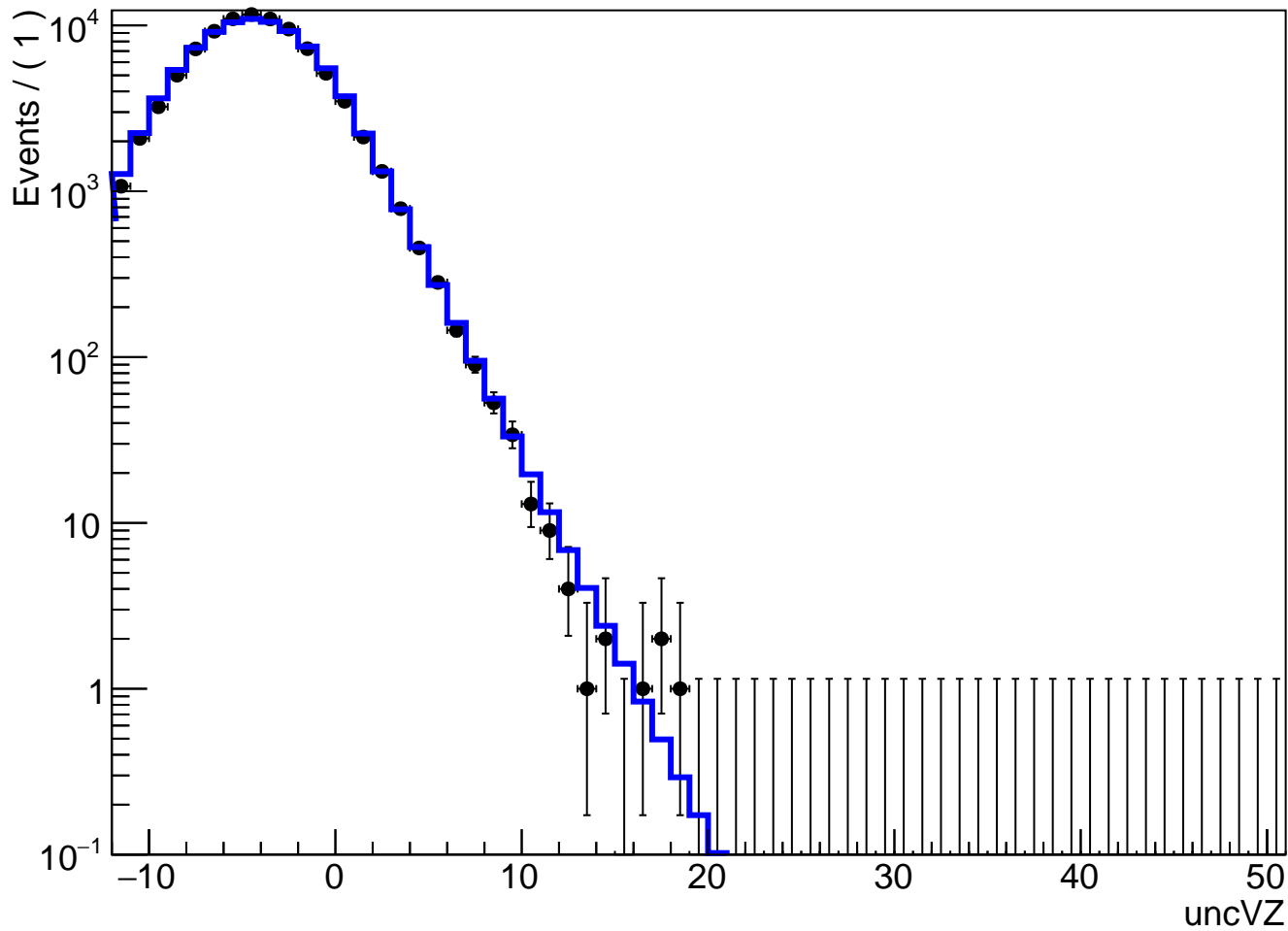
vertex Z, mass 0.0518367346939 +/- 0.0037358535814 GeV, zcut 18.6169558651 mm



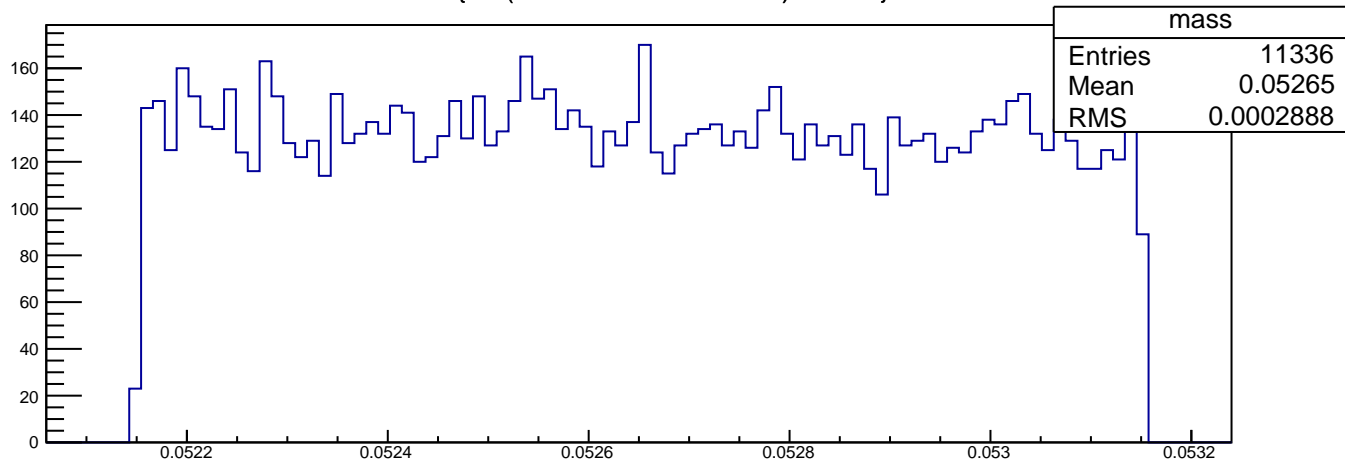
mass 0.0518367346939



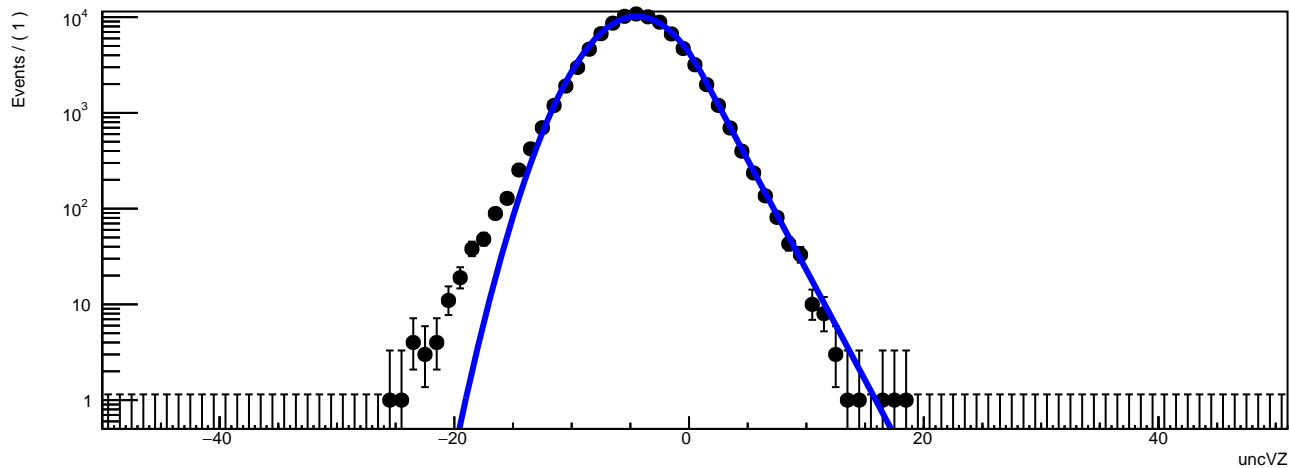
vertex Z, mass $0.0518367346939 \pm 0.0037358535814$ GeV, zcut 18.6169558651 mm



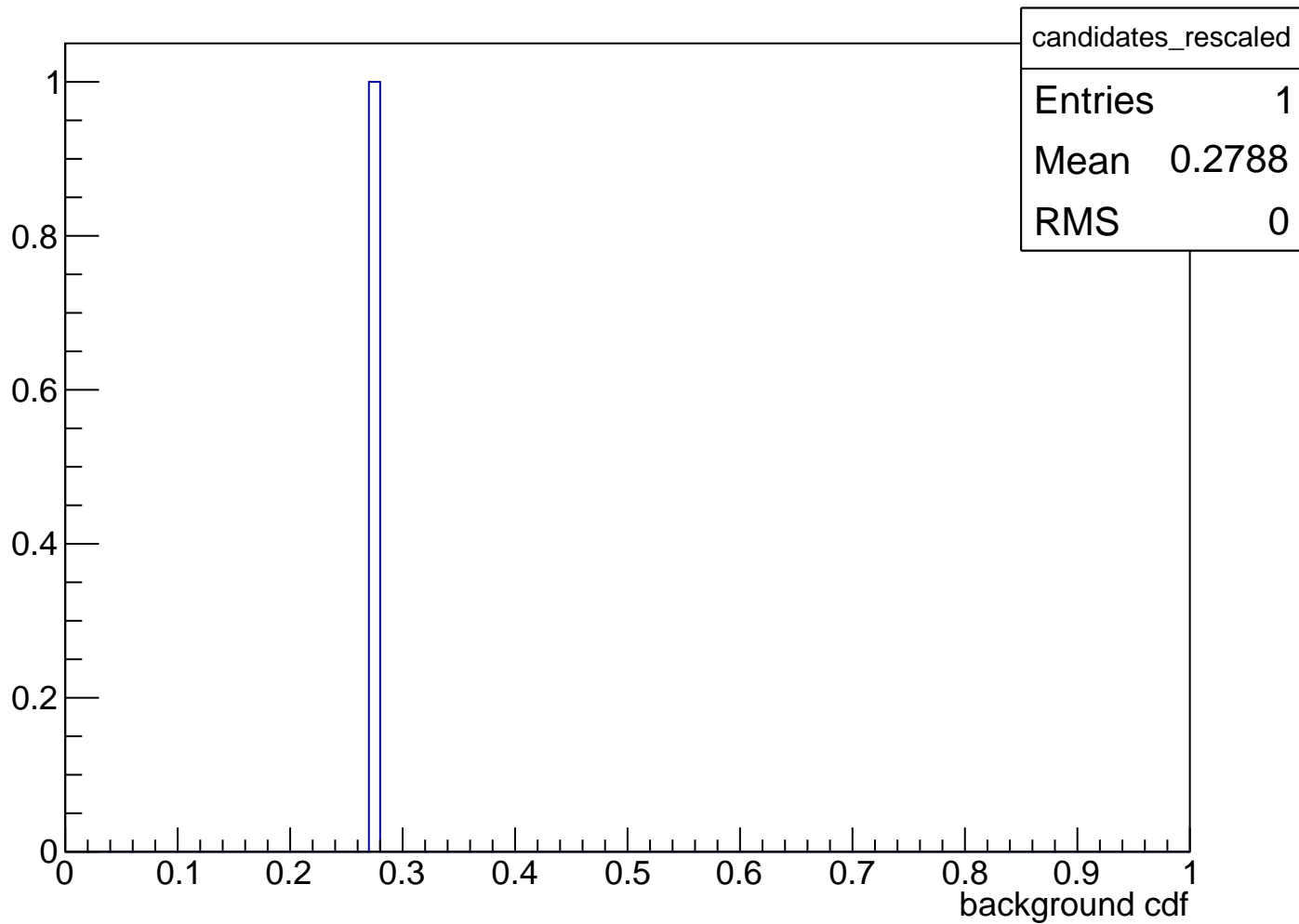
$\text{uncM} \{ \text{abs}(\text{uncM} - 0.0526530612245) < 0.0005 \}$



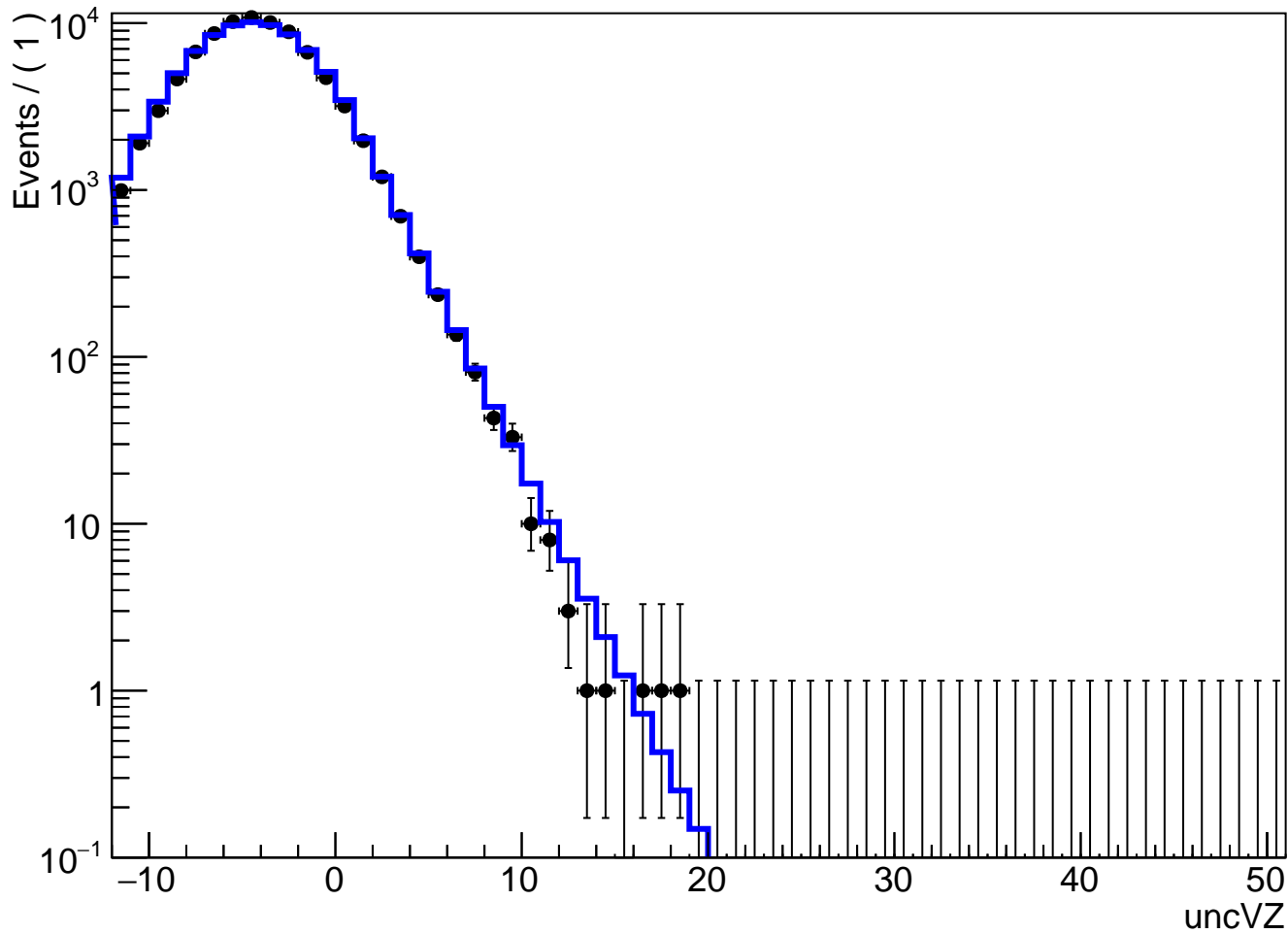
vertex Z, mass 0.0526530612245 +/- 0.00377891553768 GeV, zcut 18.3223166273 mm



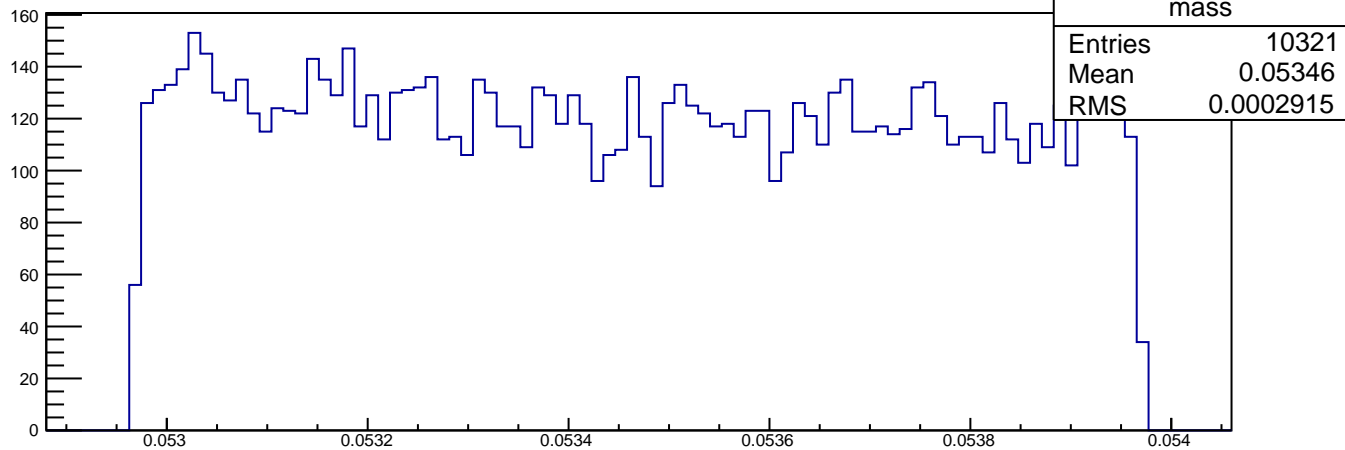
mass 0.0526530612245



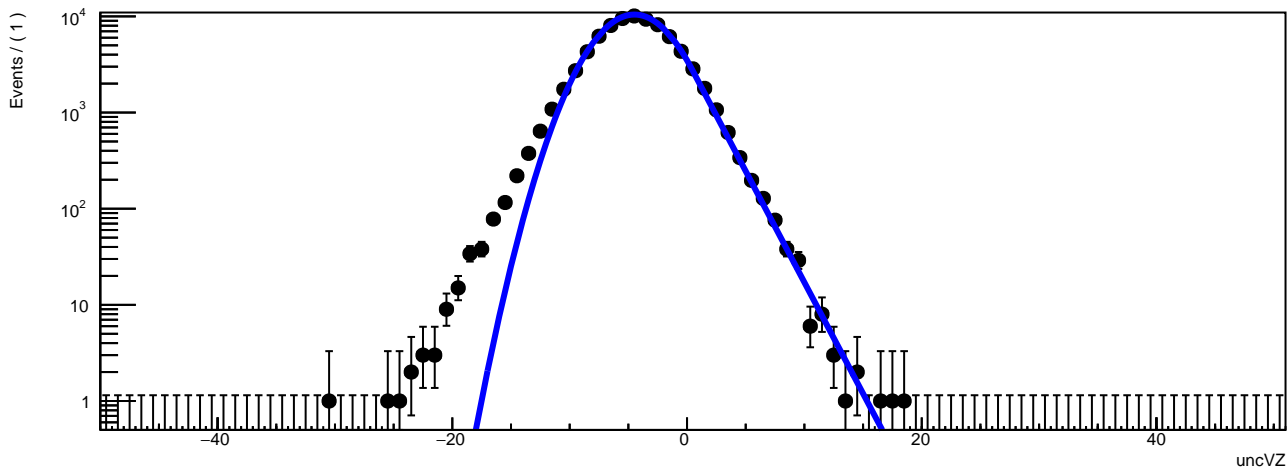
vertex Z, mass 0.0526530612245 +/- 0.00377891553768 GeV, zcut 18.3223166273 mm



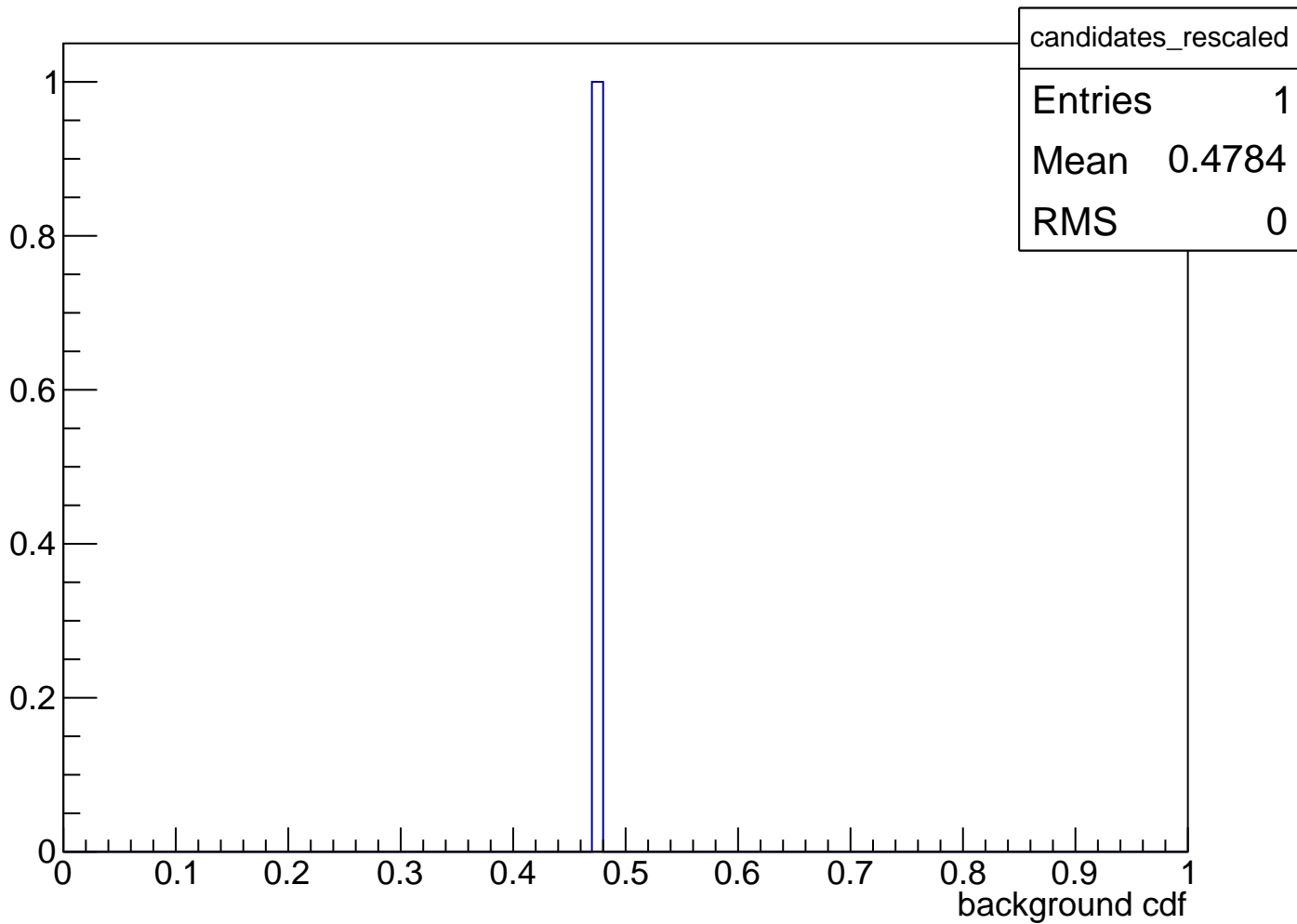
uncM {abs(uncM-0.0534693877551)<0.0005}



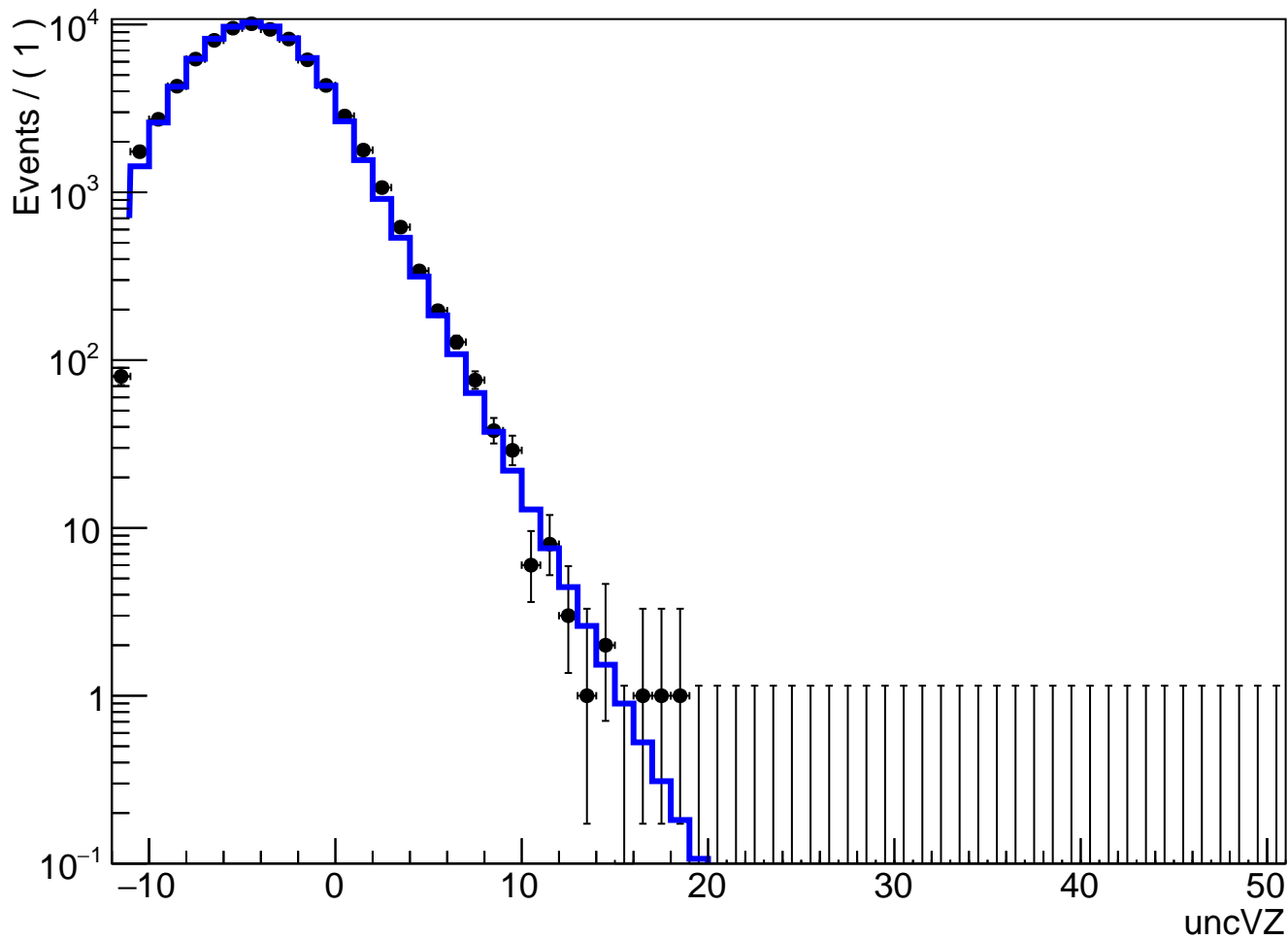
vertex Z, mass 0.0534693877551 +/- 0.00382197749397 GeV, zcut 17.717989045 mm



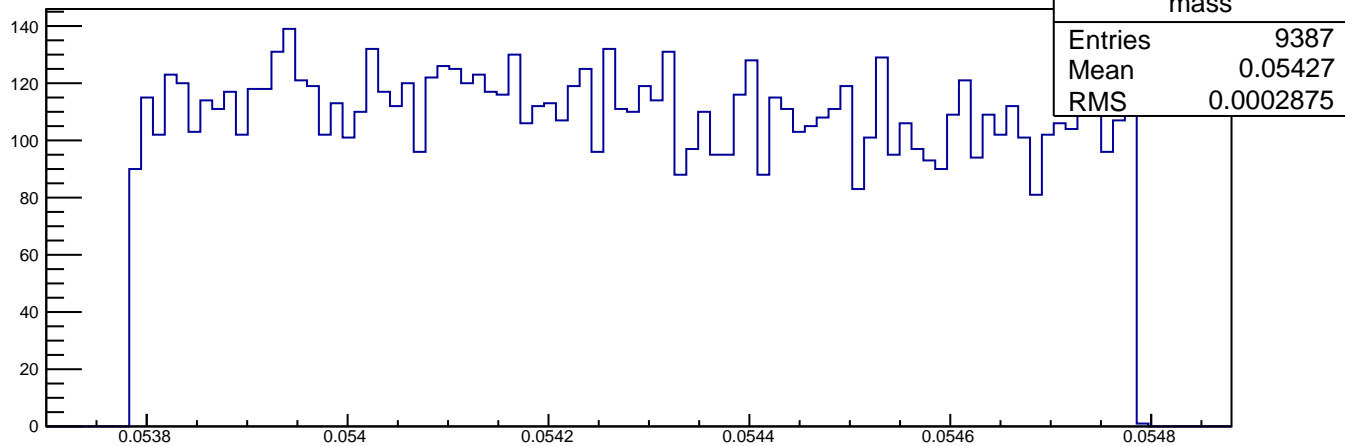
mass 0.0534693877551



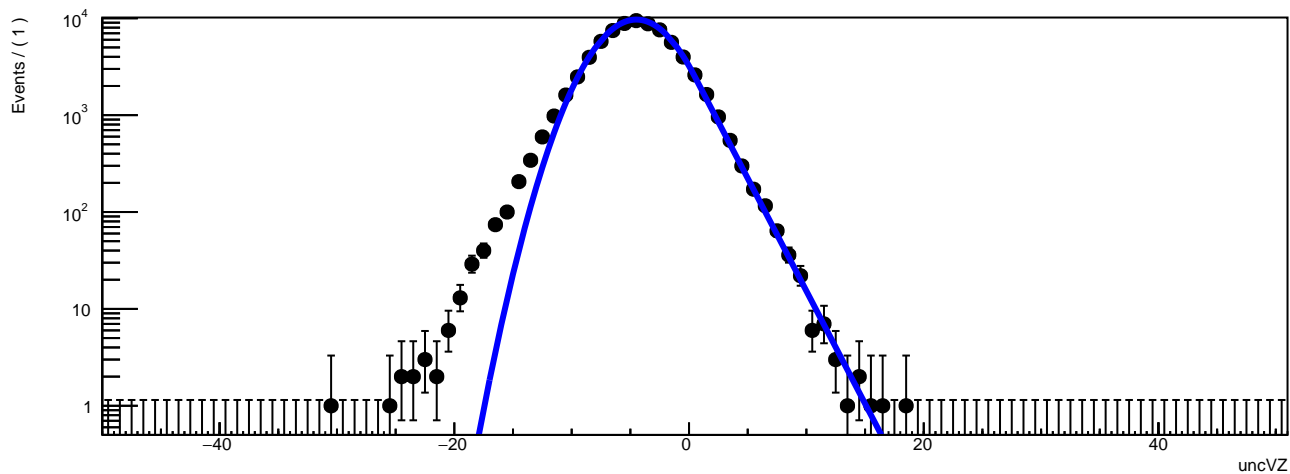
vertex Z, mass $0.0534693877551 \pm 0.00382197749397$ GeV, zcut 17.717989045 mm



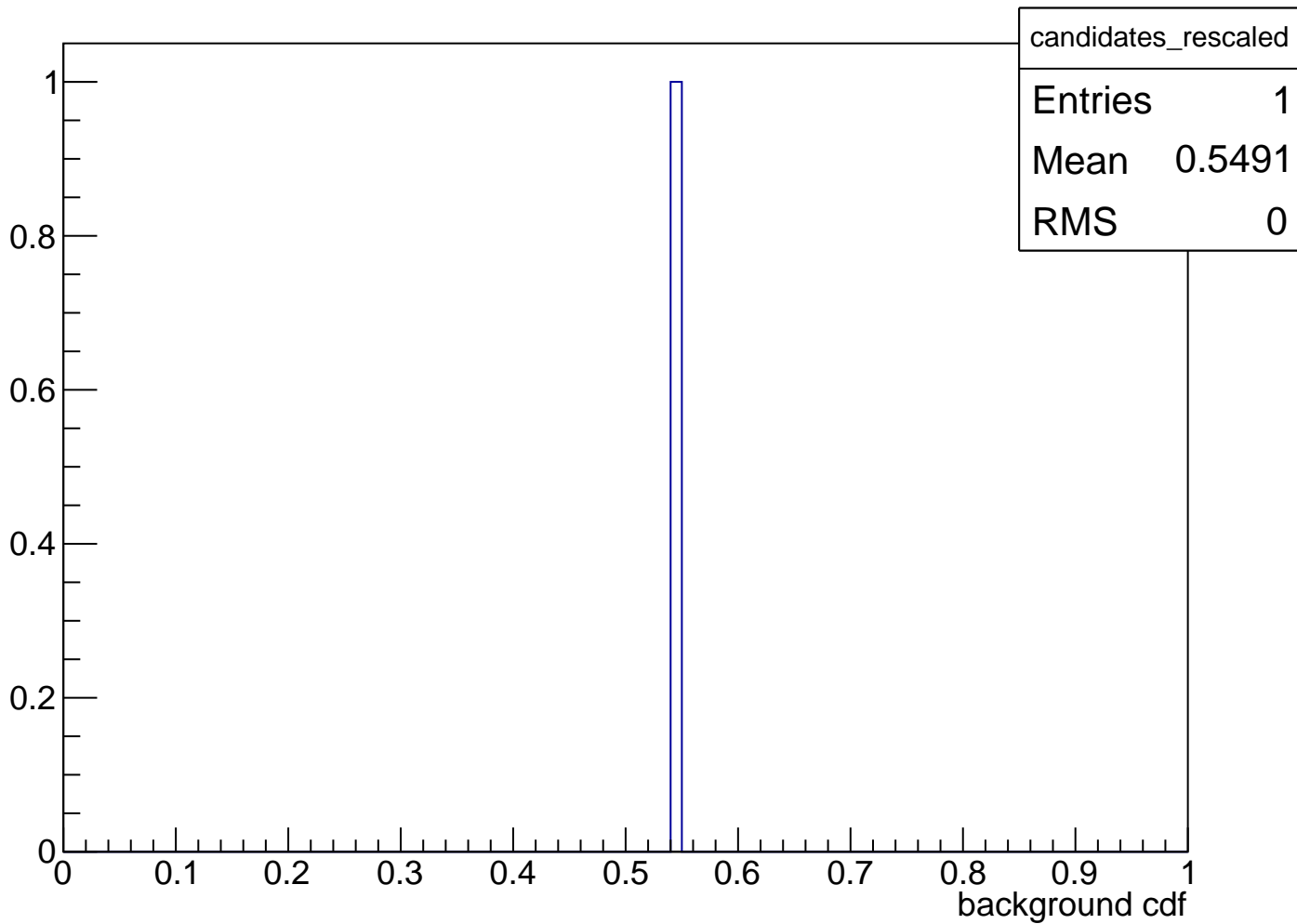
uncM {abs(uncM-0.0542857142857)<0.0005}



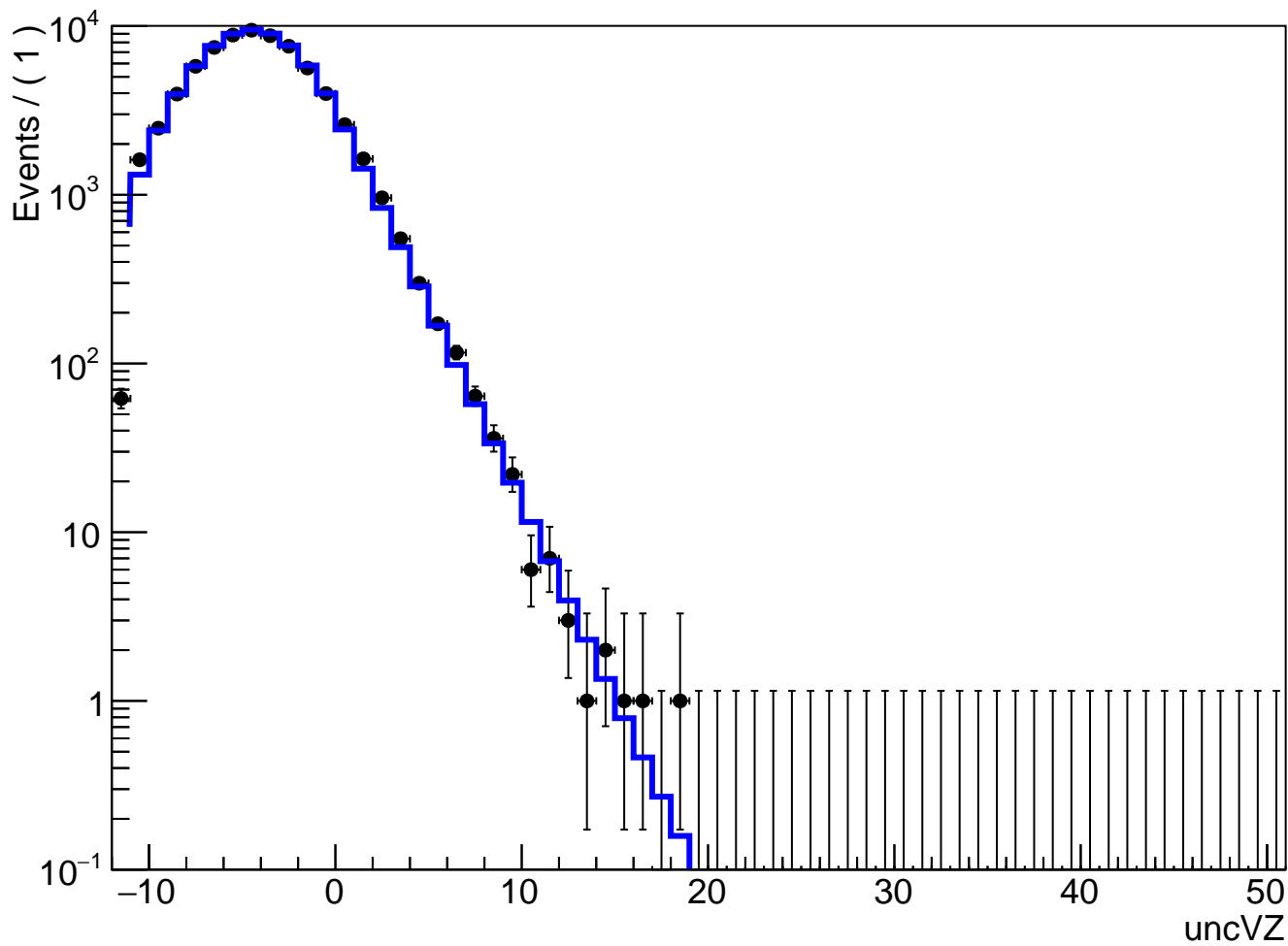
vertex Z, mass 0.0542857142857 +/- 0.00386503945025 GeV, zcut 17.4529061655 mm



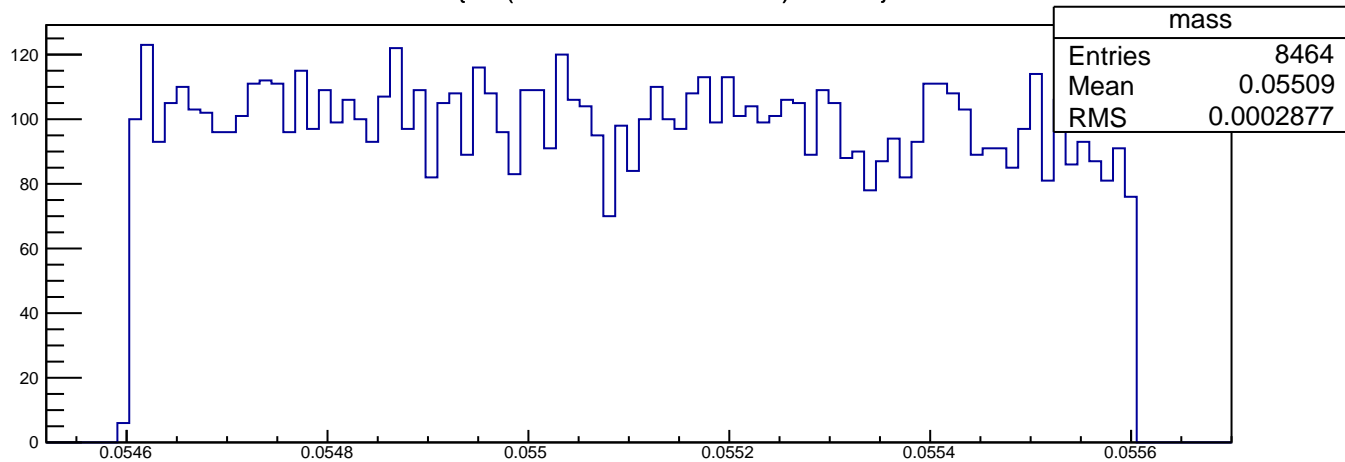
mass 0.0542857142857



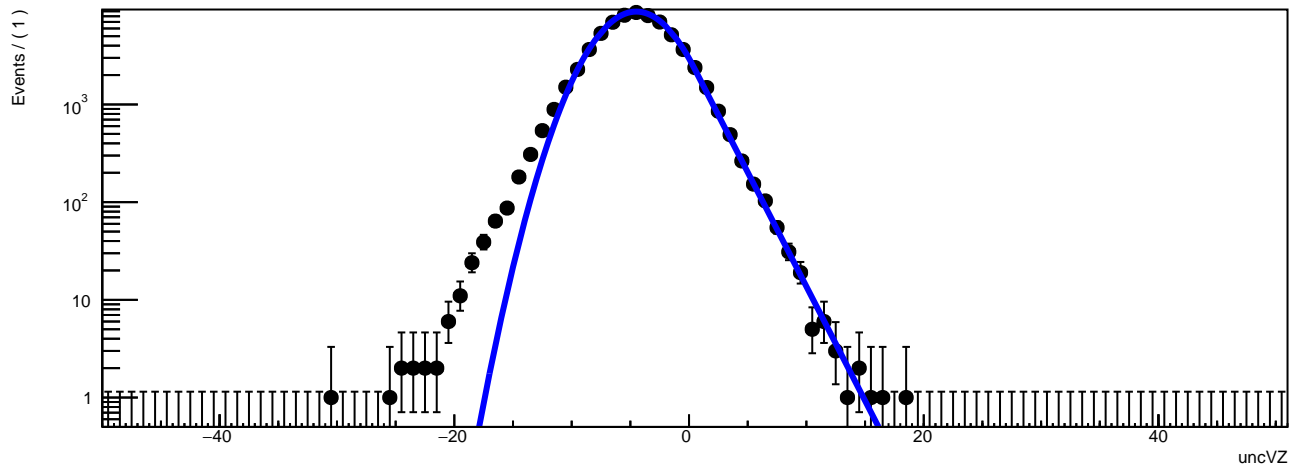
vertex Z, mass 0.0542857142857 +/- 0.00386503945025 GeV, zcut 17.4529061655 mm



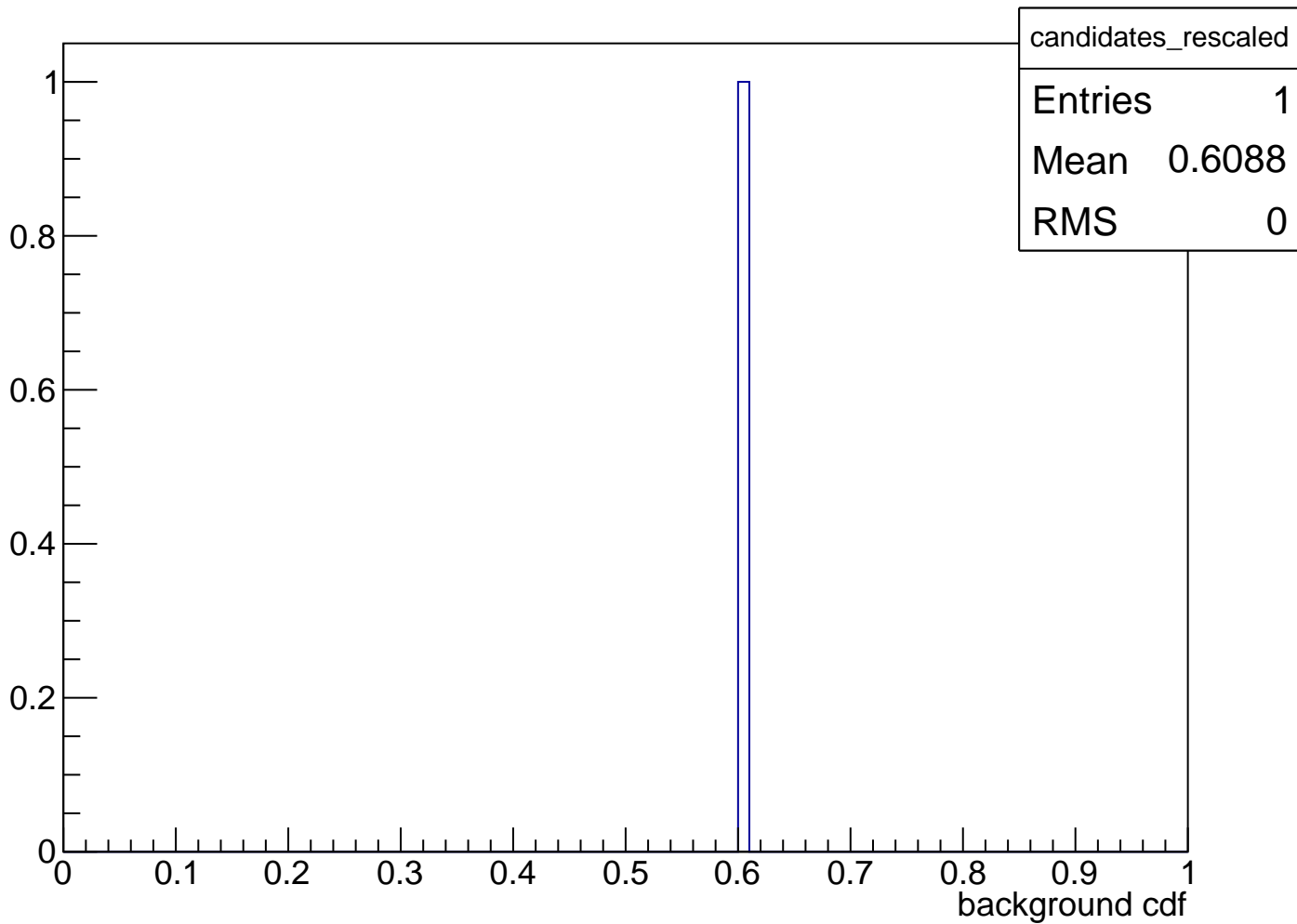
uncM {abs(uncM-0.0551020408163)<0.0005}



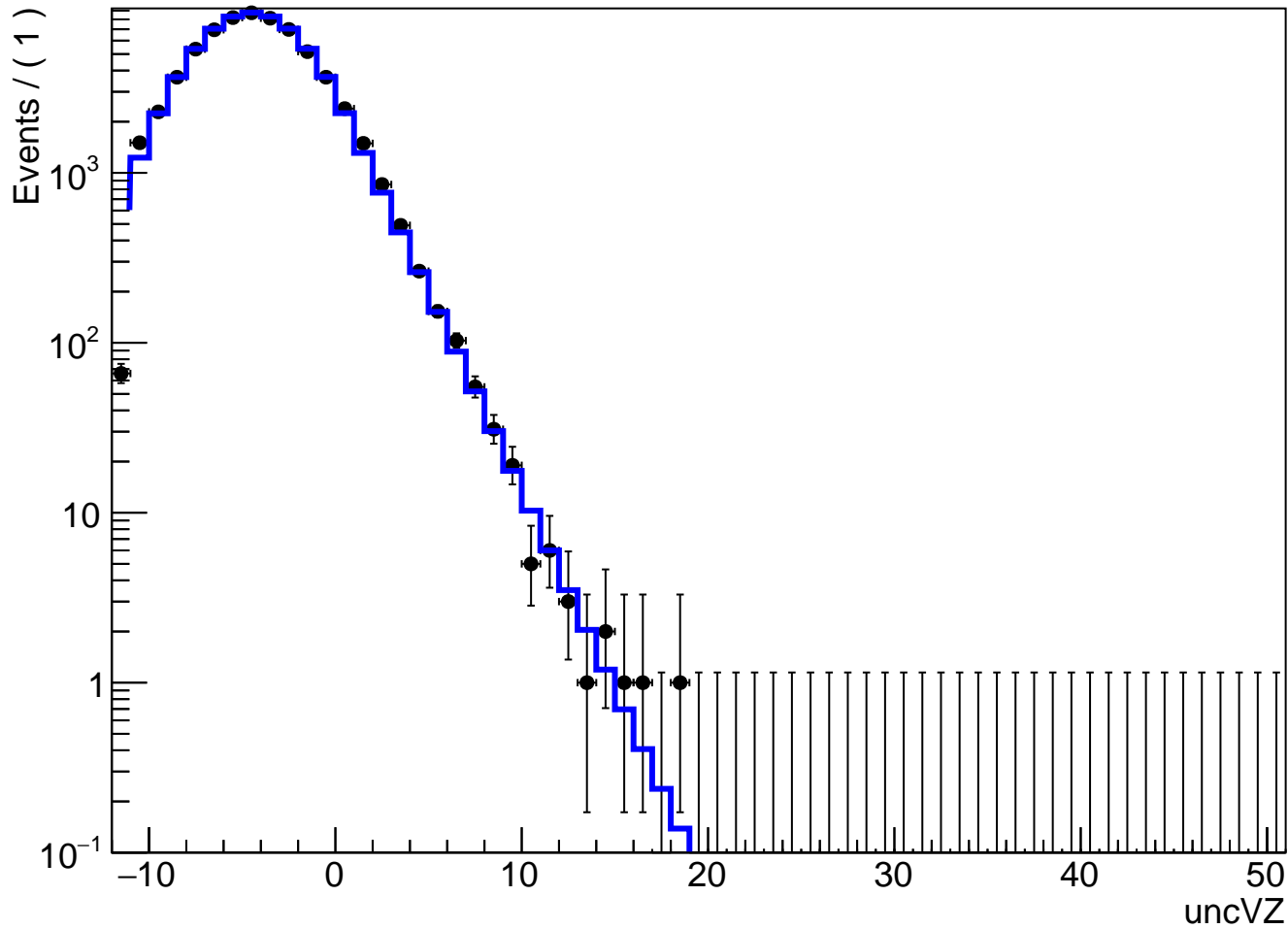
vertex Z, mass 0.0551020408163 +/- 0.00390810140654 GeV, zcut 17.1970561417 mm



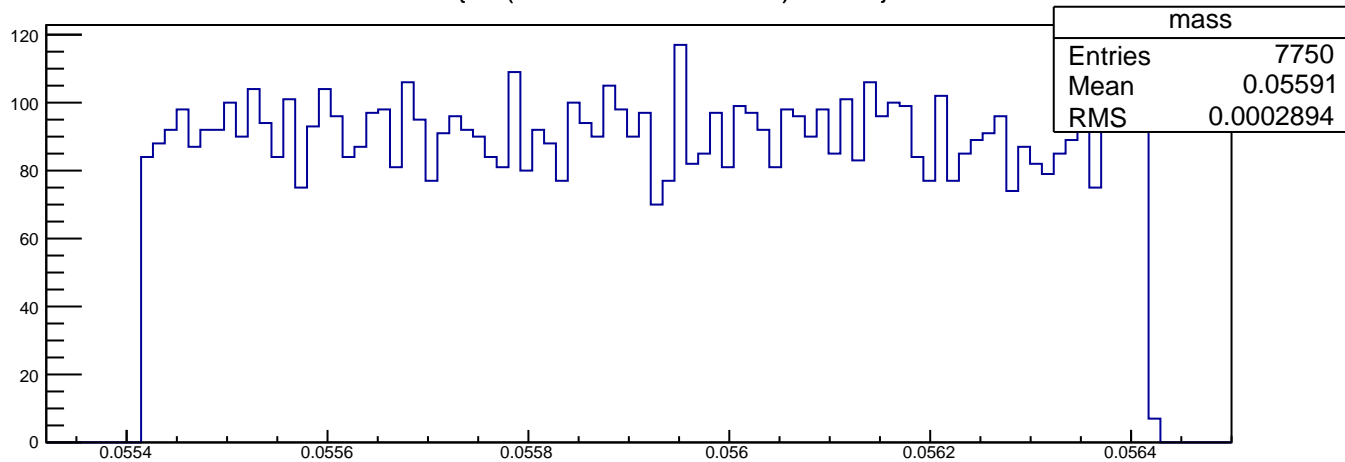
mass 0.0551020408163



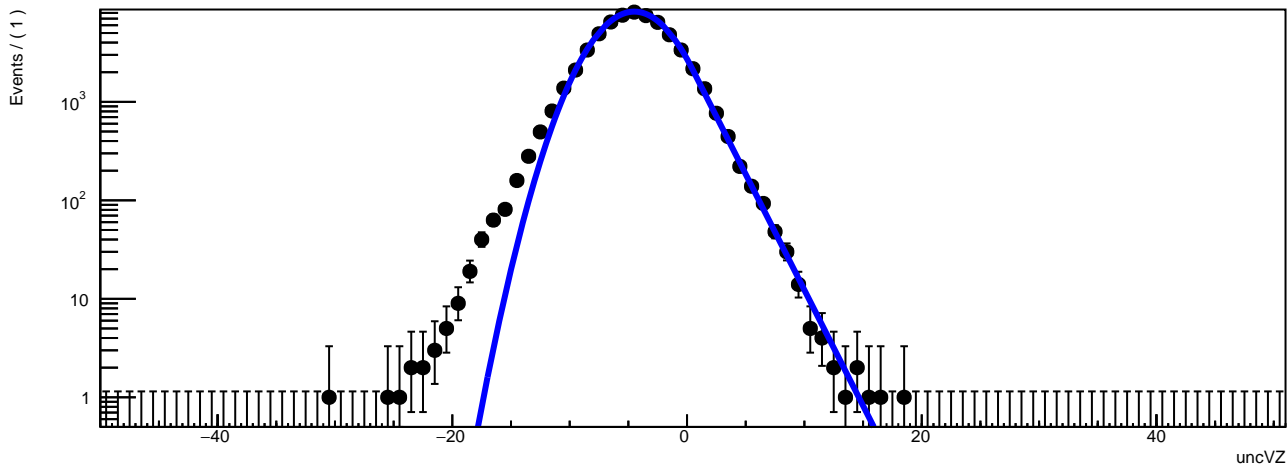
vertex Z, mass 0.0551020408163 +/- 0.00390810140654 GeV, zcut 17.1970561417 mm



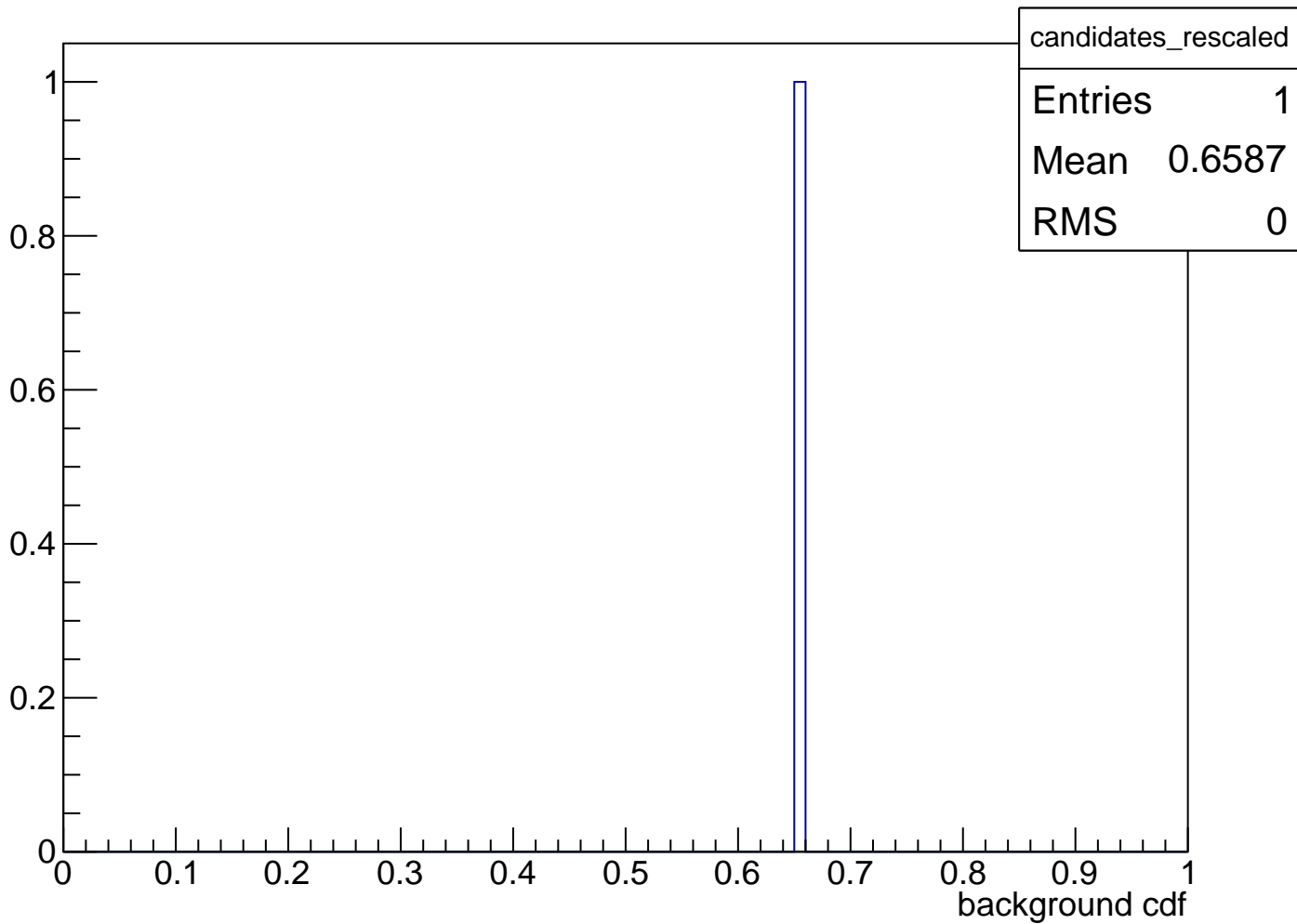
uncM {abs(uncM-0.0559183673469)<0.0005}



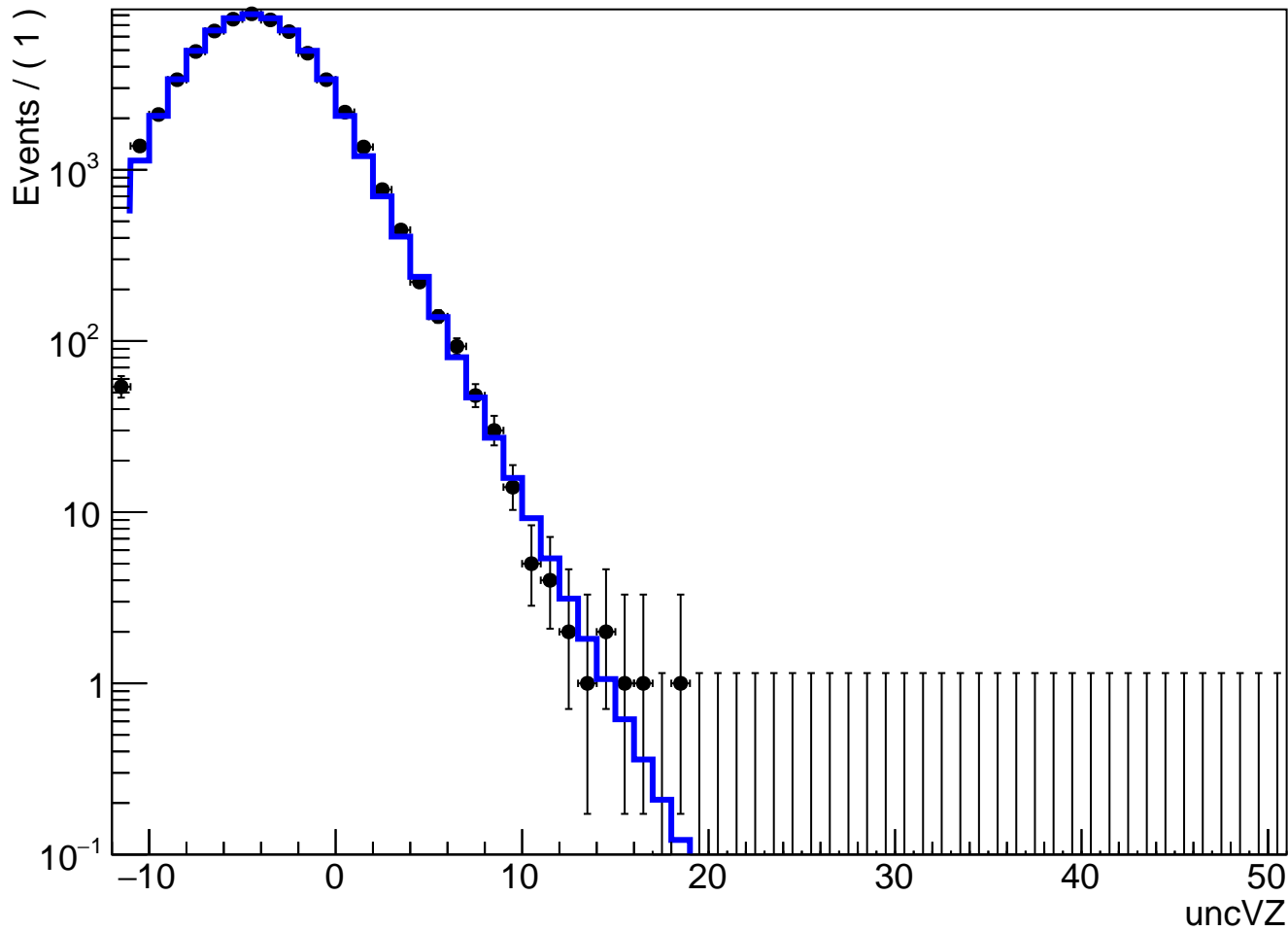
vertex Z, mass 0.0559183673469 +/- 0.00395116336282 GeV, zcut 16.9533103428 mm



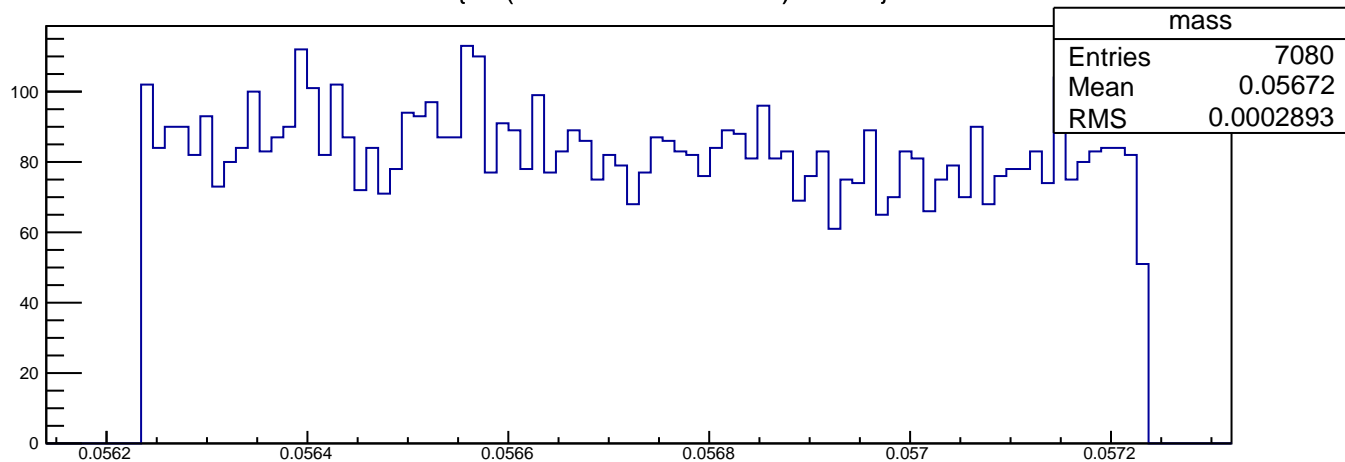
mass 0.0559183673469



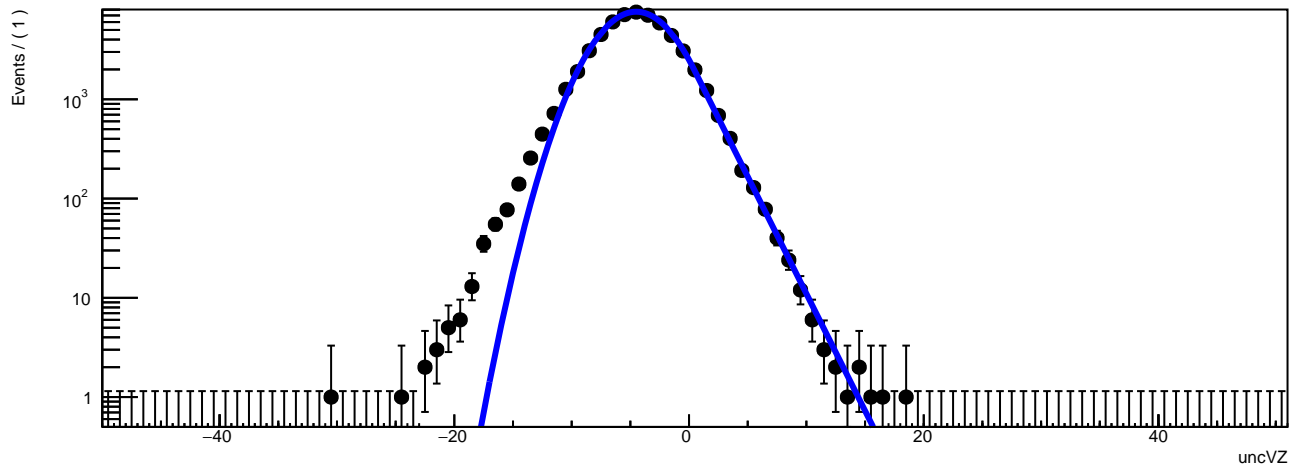
vertex Z, mass 0.0559183673469 +/- 0.00395116336282 GeV, zcut 16.9533103428 mm



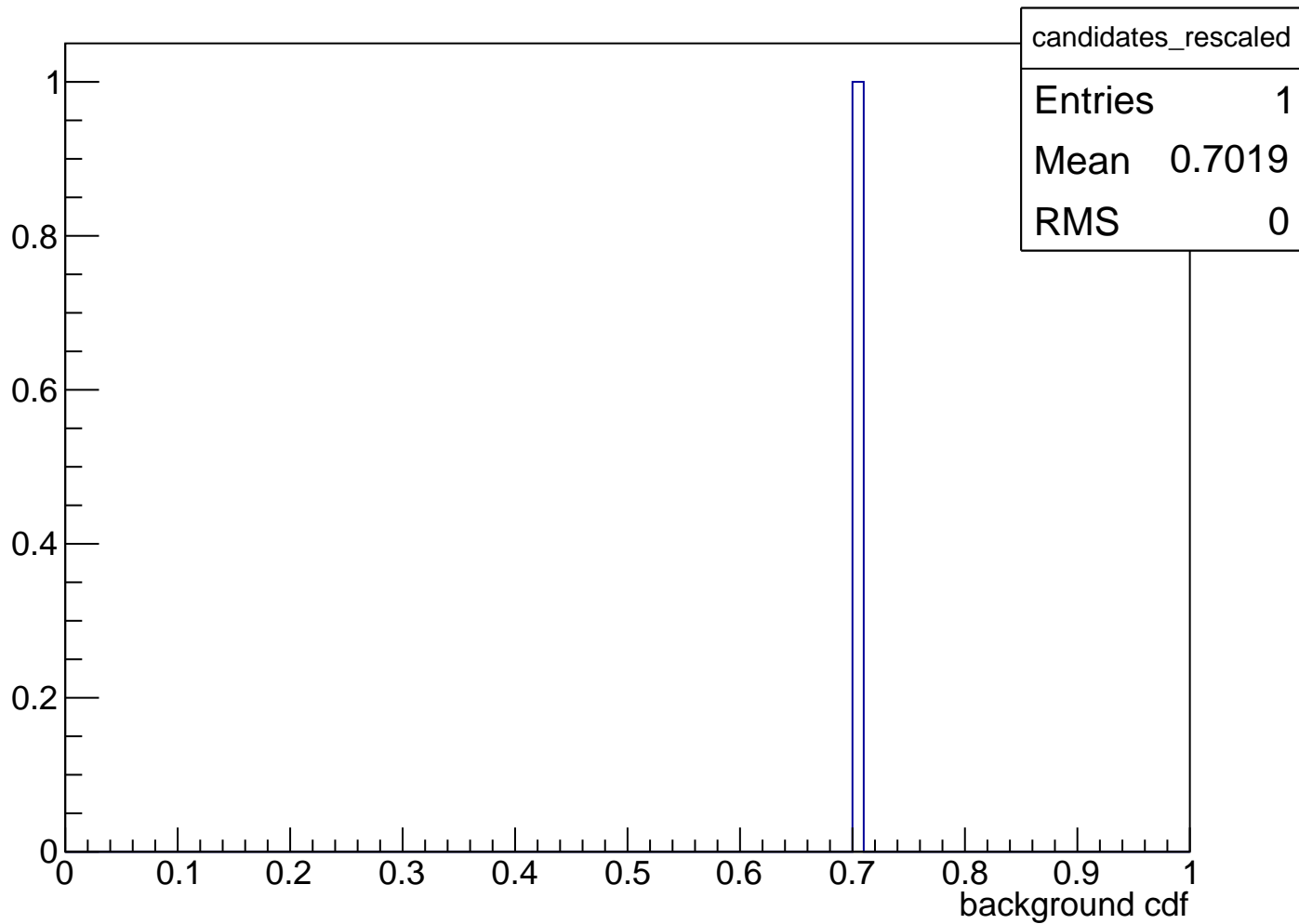
uncM {abs(uncM-0.0567346938776)<0.0005}



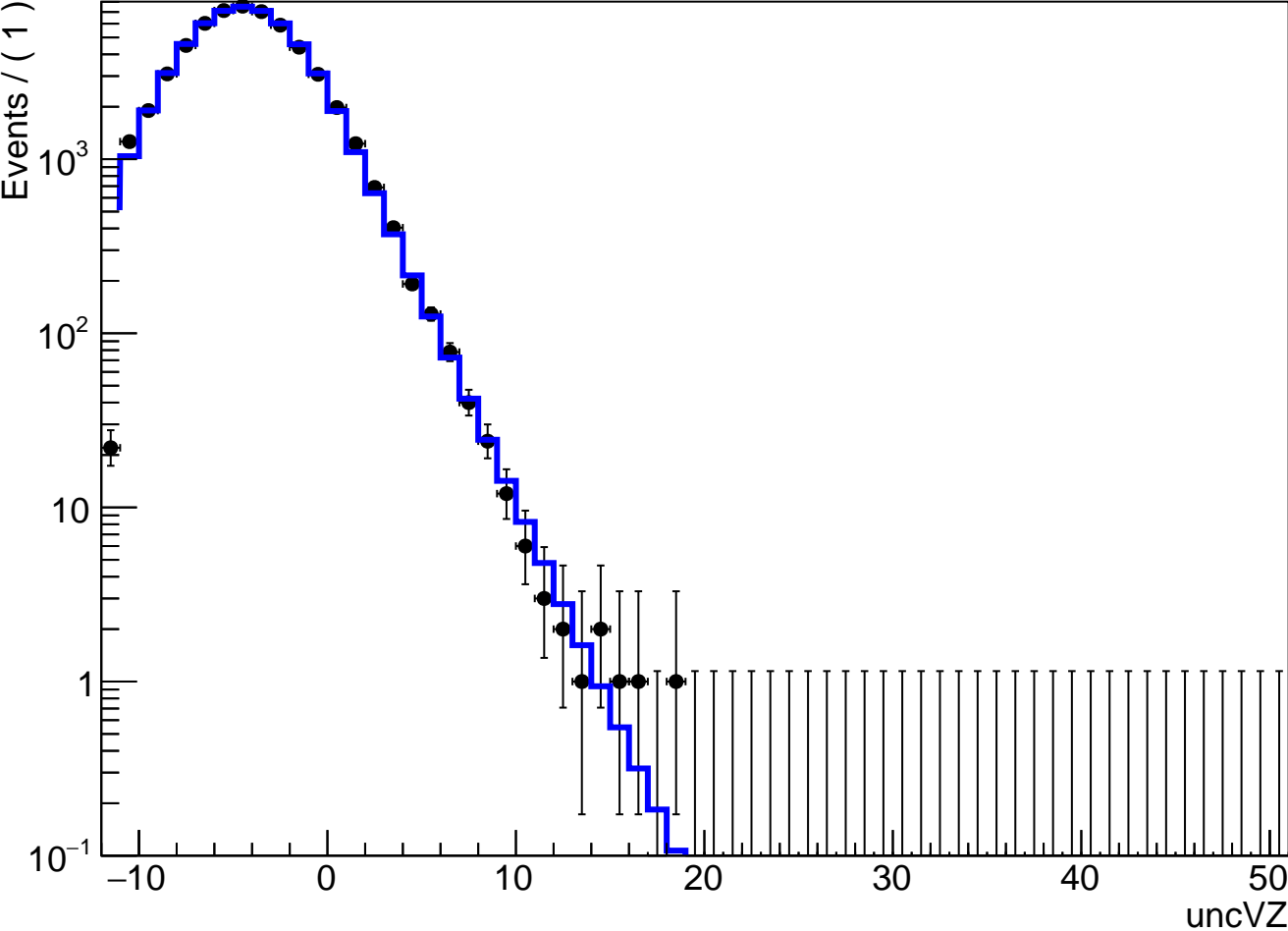
vertex Z, mass 0.0567346938776 +/- 0.0039942253191 GeV, zcut 16.7121577868 mm



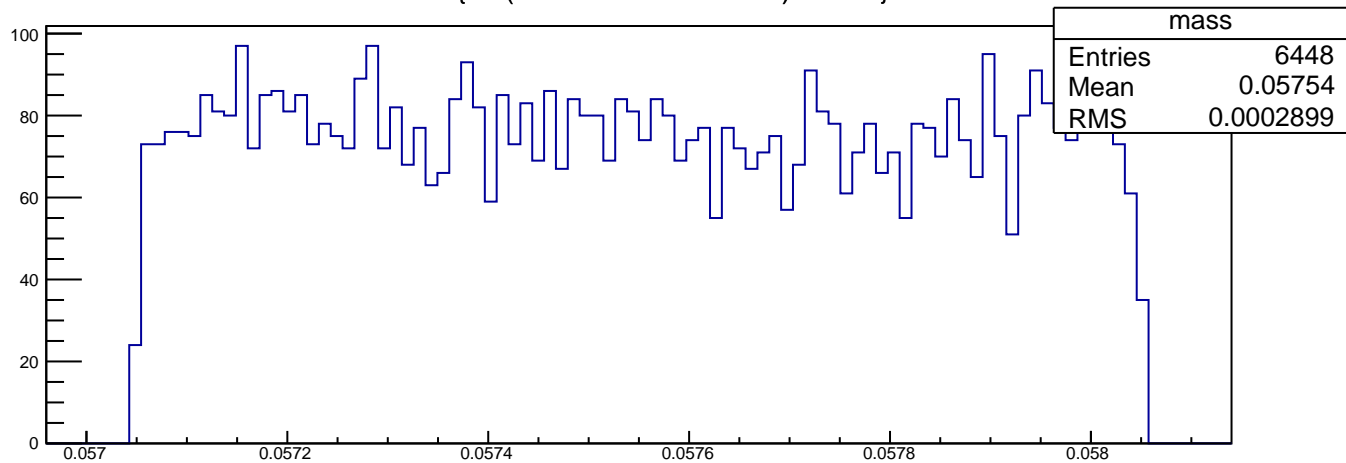
mass 0.0567346938776



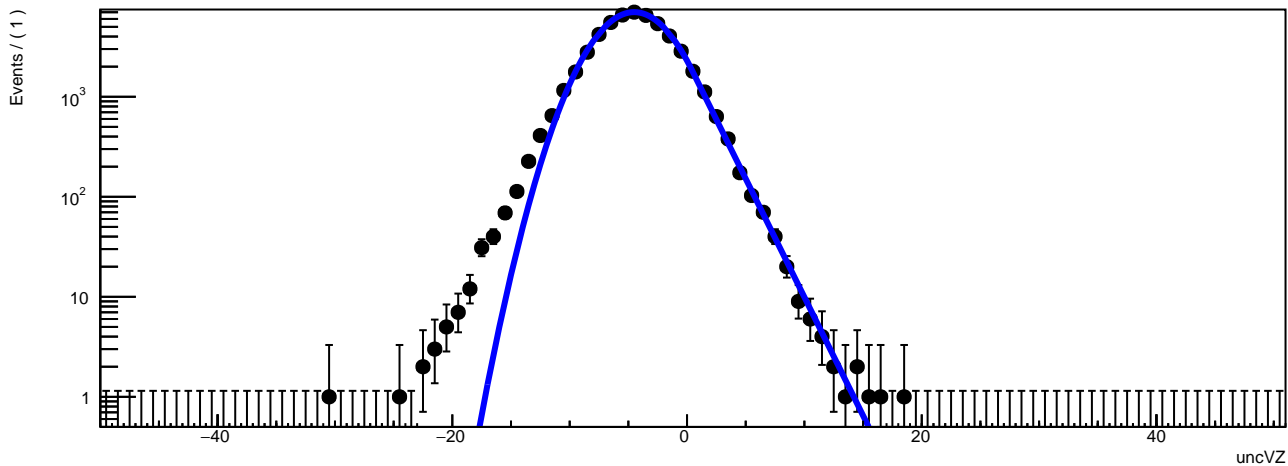
vertex Z, mass 0.0567346938776 +/- 0.0039942253191 GeV, zcut 16.7121577868 mm



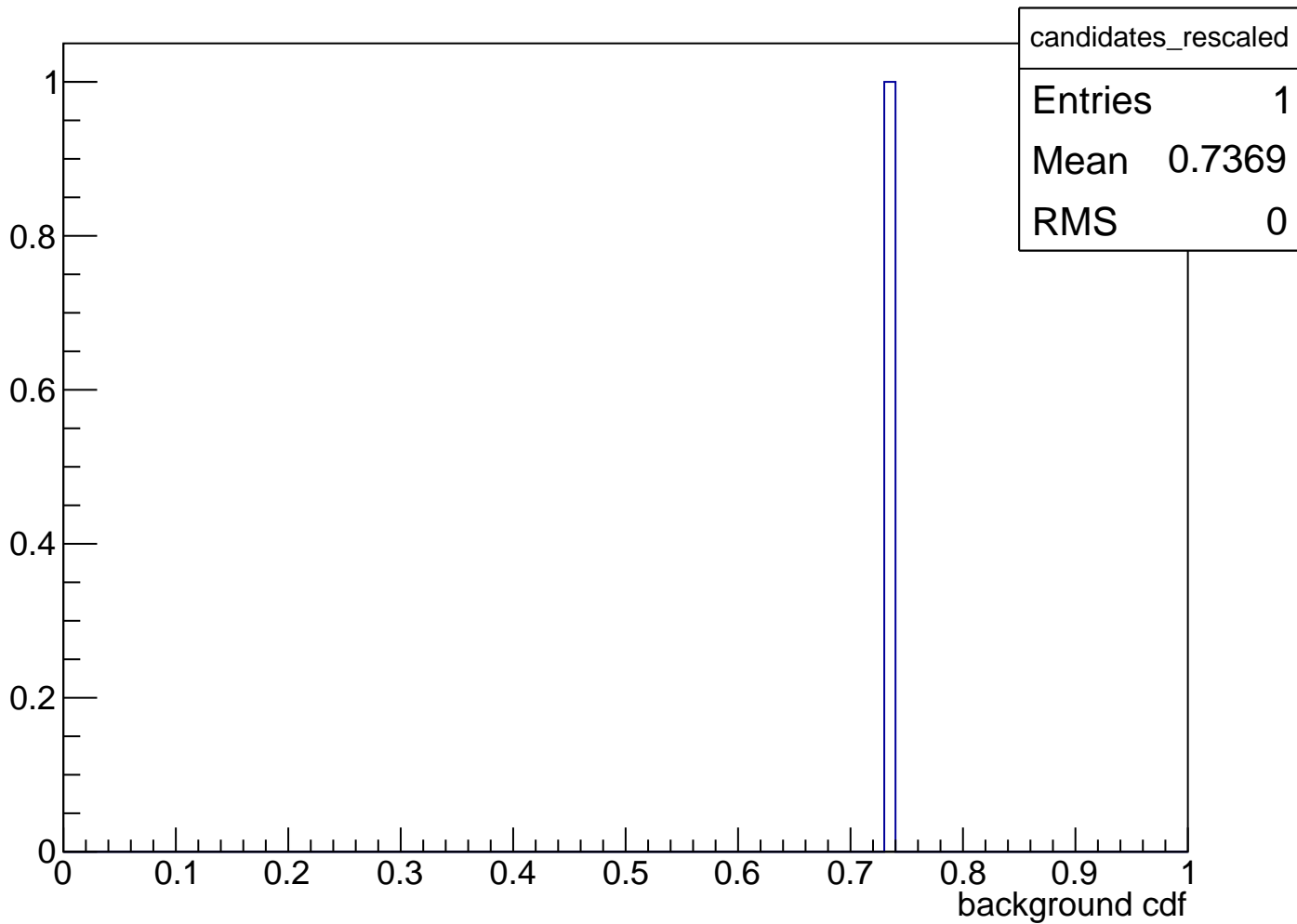
uncM {abs(uncM-0.0575510204082)<0.0005}



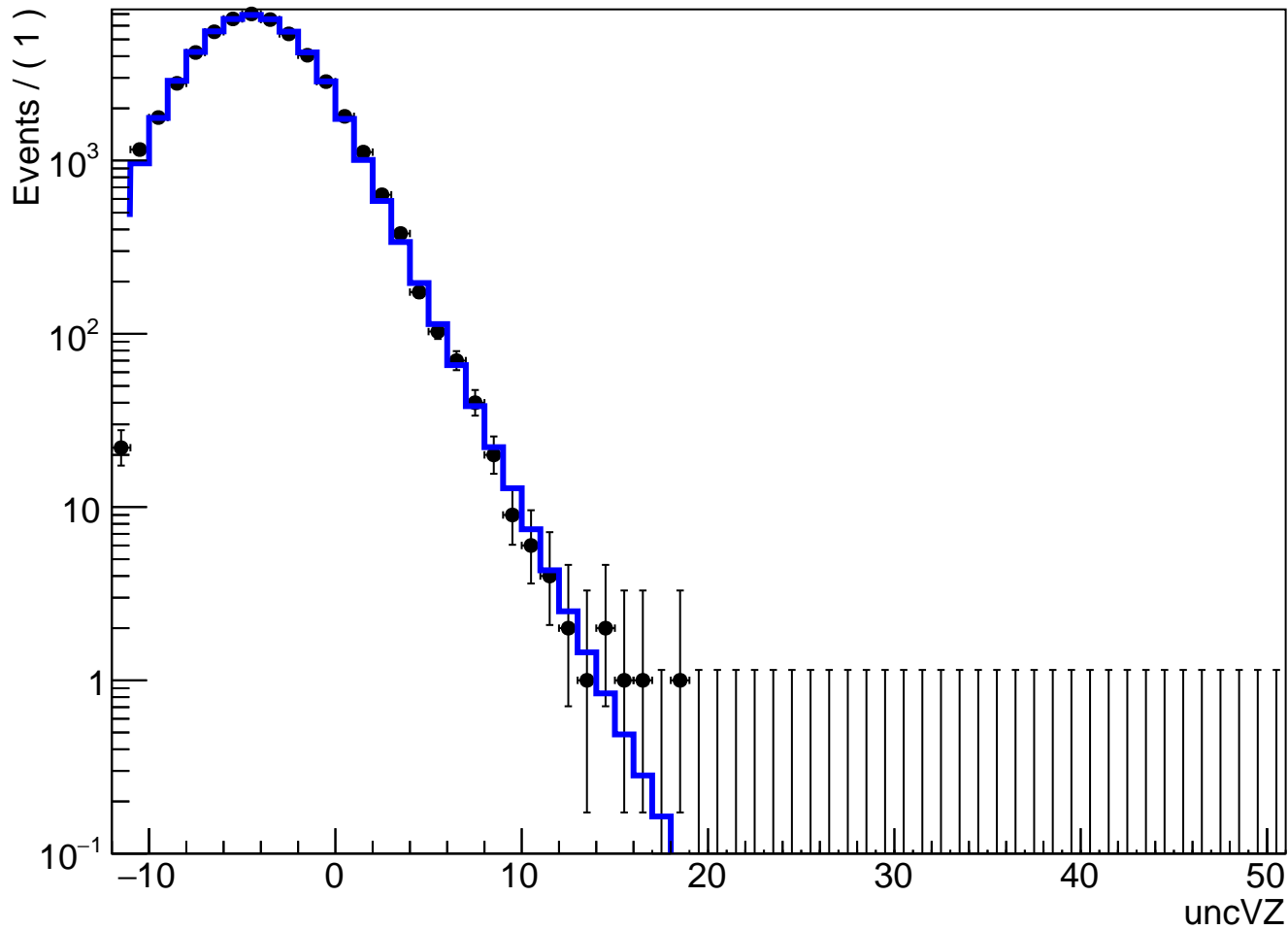
vertex Z, mass 0.0575510204082 +/- 0.00403728727539 GeV, zcut 16.4915332819 mm



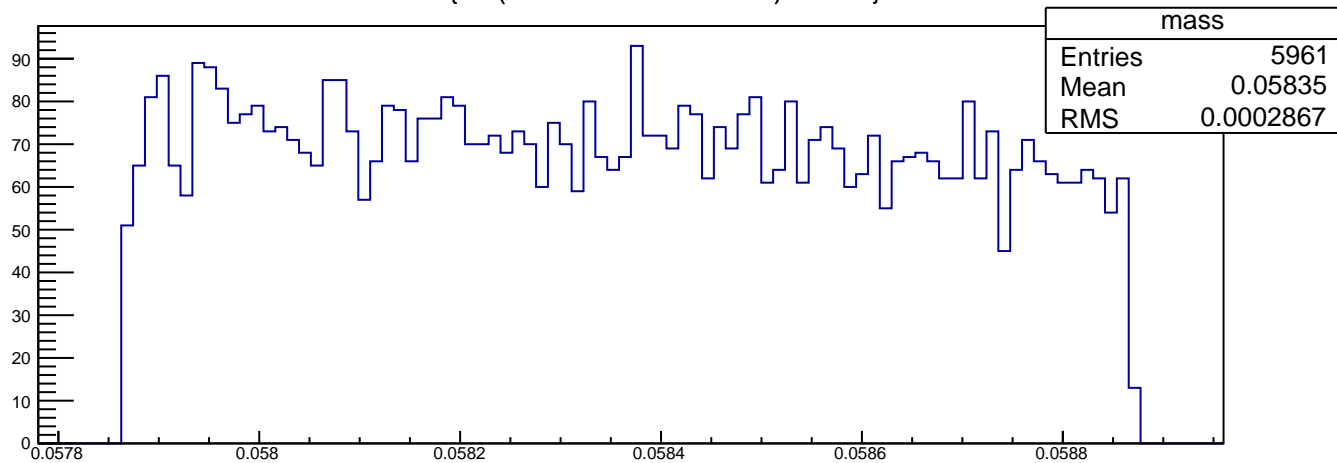
mass 0.0575510204082



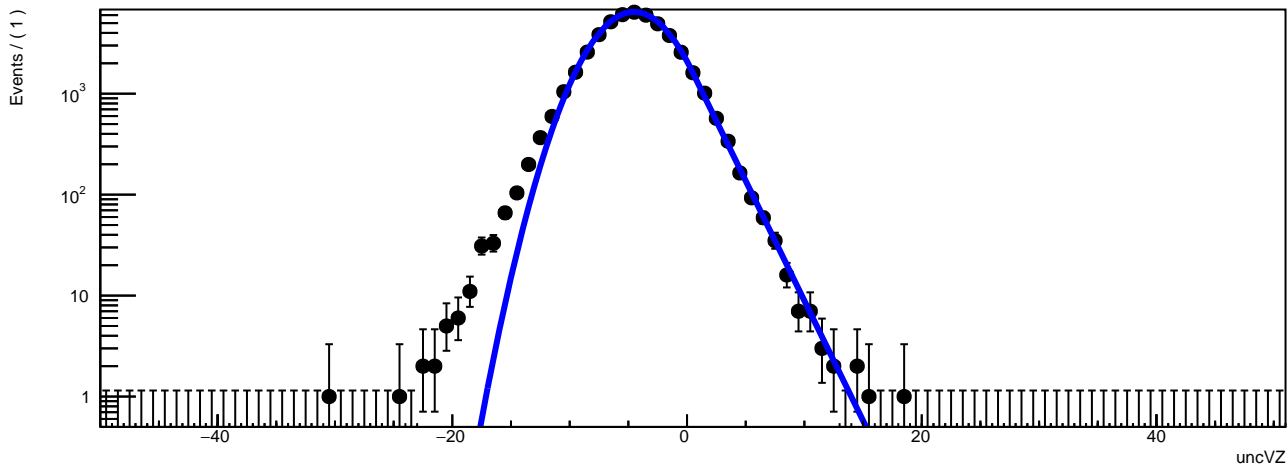
vertex Z, mass 0.0575510204082 +/- 0.00403728727539 GeV, zcut 16.4915332819 mm



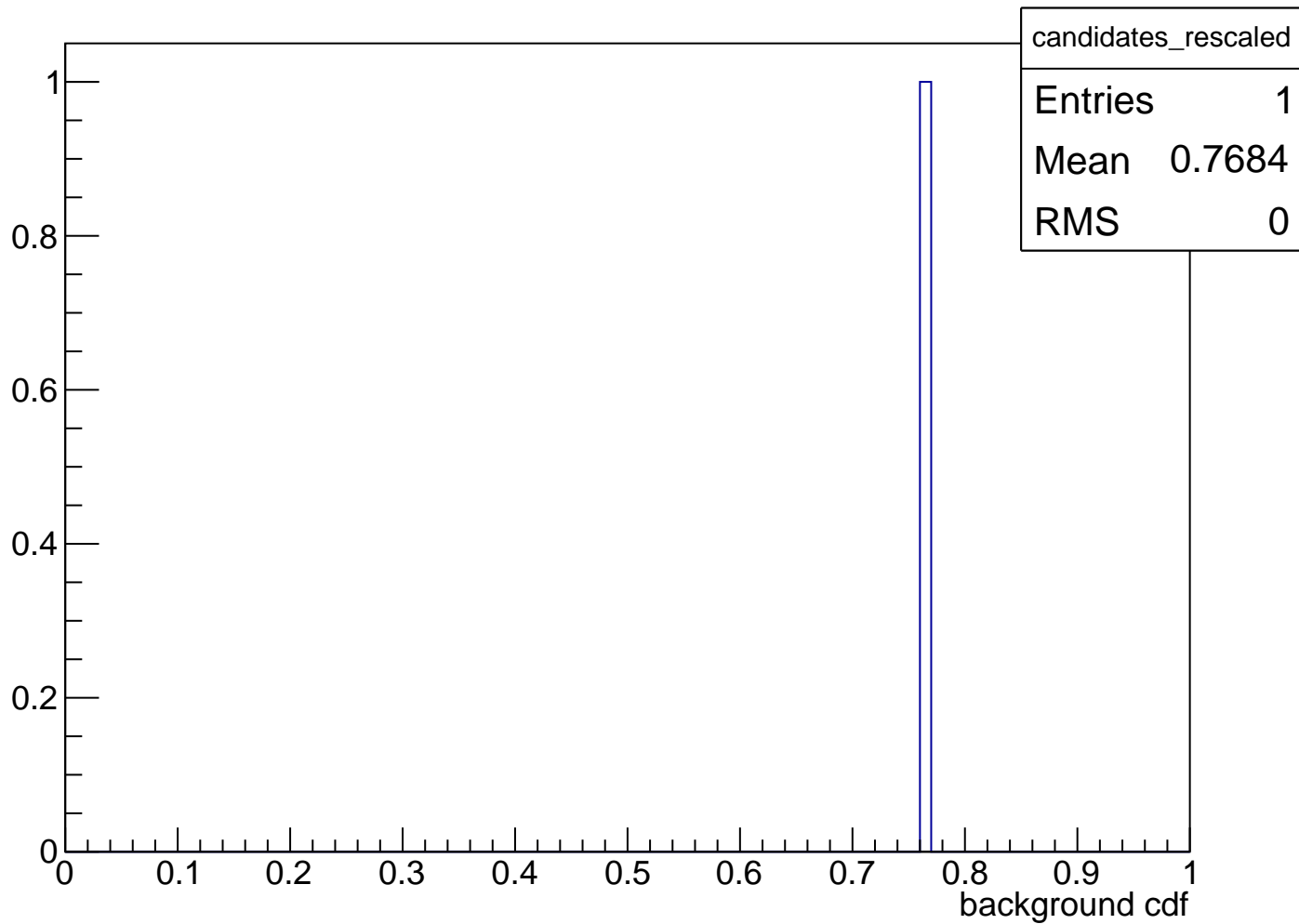
uncM {abs(uncM-0.0583673469388)<0.0005}



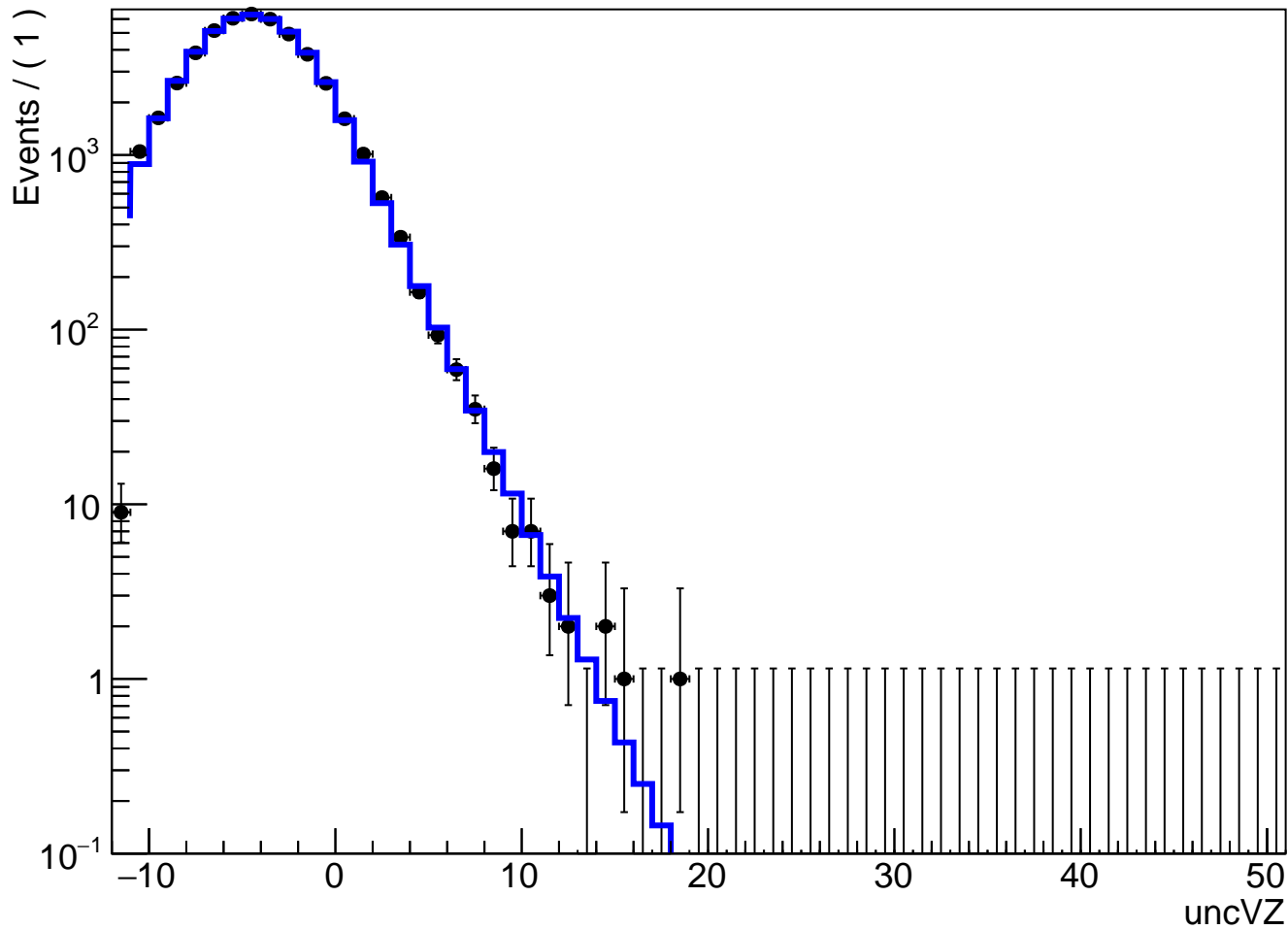
vertex Z, mass 0.0583673469388 +/- 0.00408034923167 GeV, zcut 16.2652040338 mm



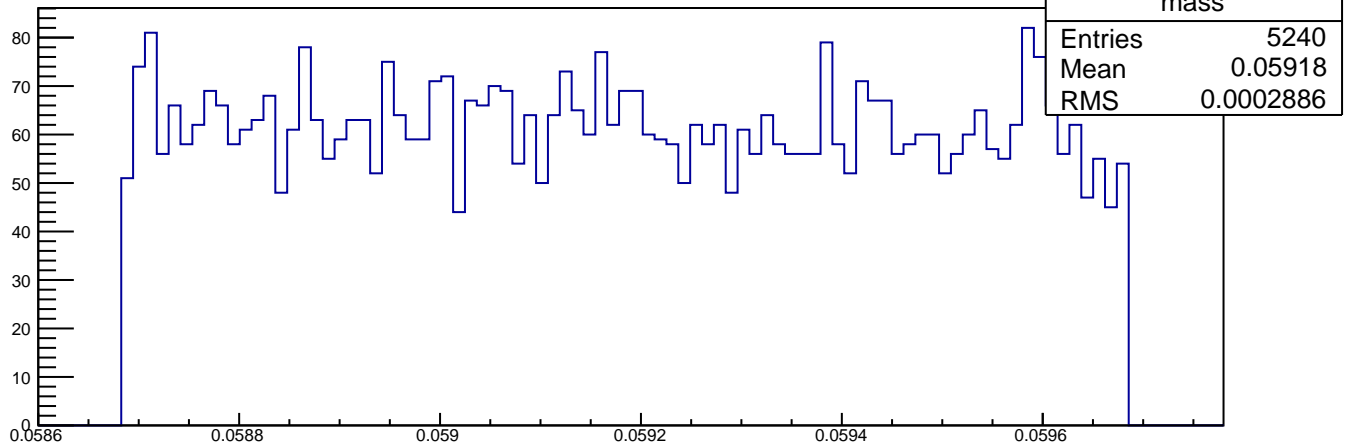
mass 0.0583673469388



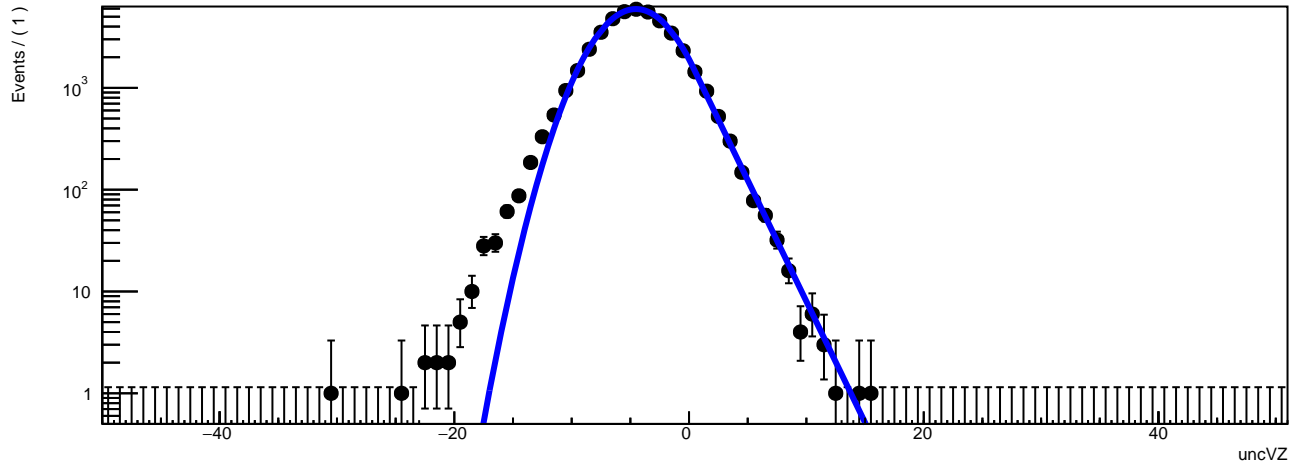
vertex Z, mass 0.0583673469388 +/- 0.00408034923167 GeV, zcut 16.2652040338 mm



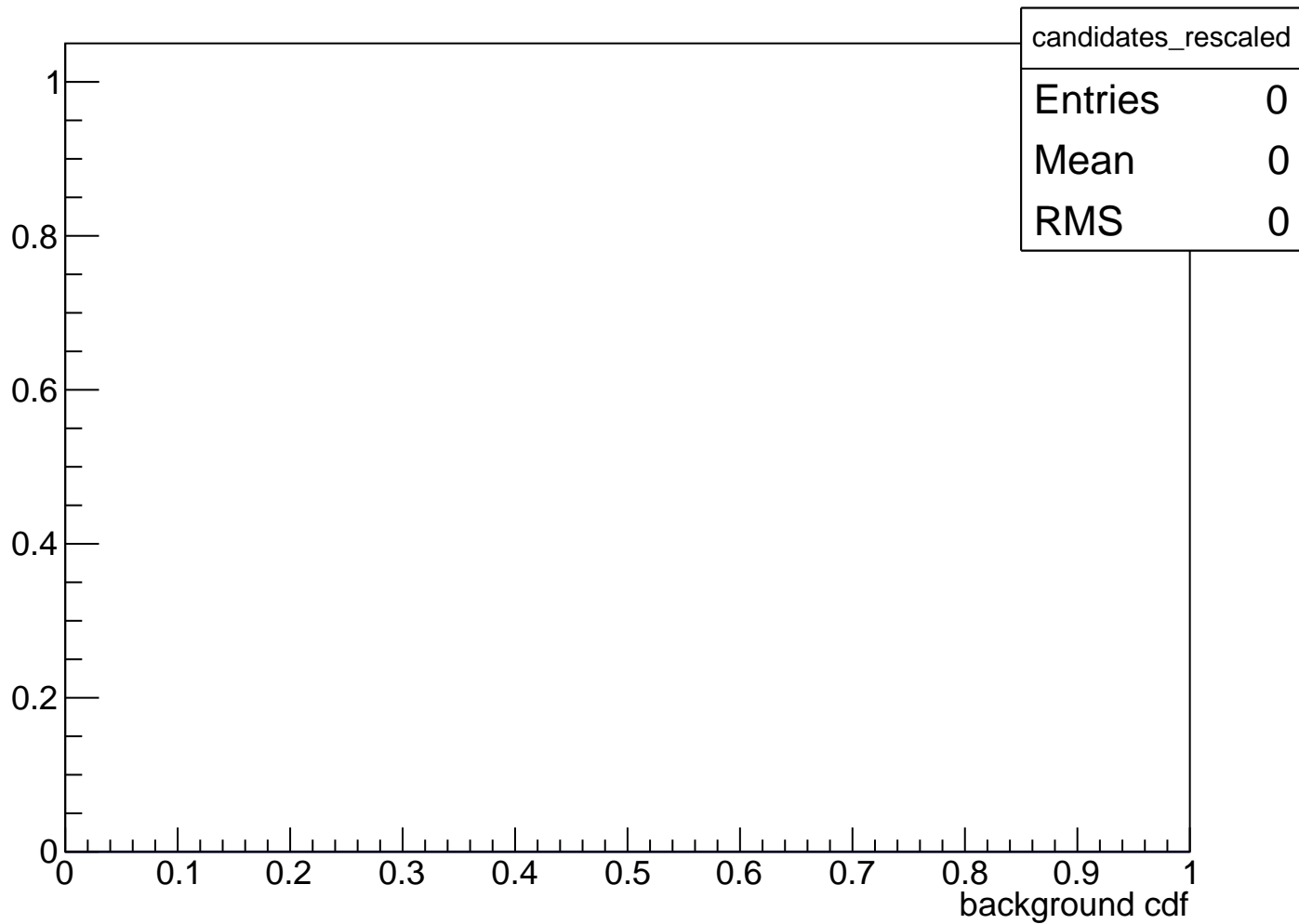
uncM {abs(uncM-0.0591836734694)<0.0005}



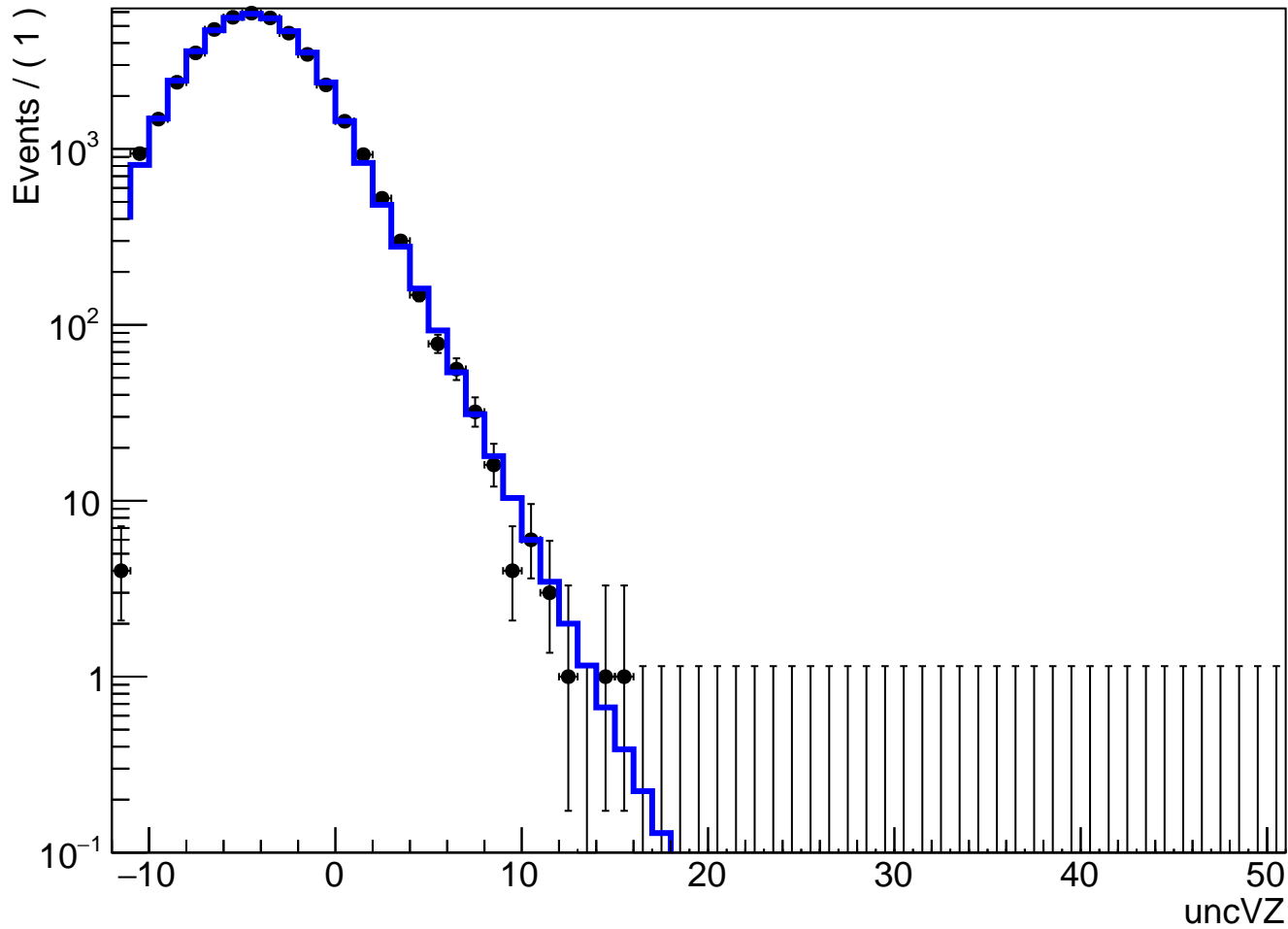
vertex Z, mass 0.0591836734694 +/- 0.00412341118796 GeV, zcut 16.0516978607 mm



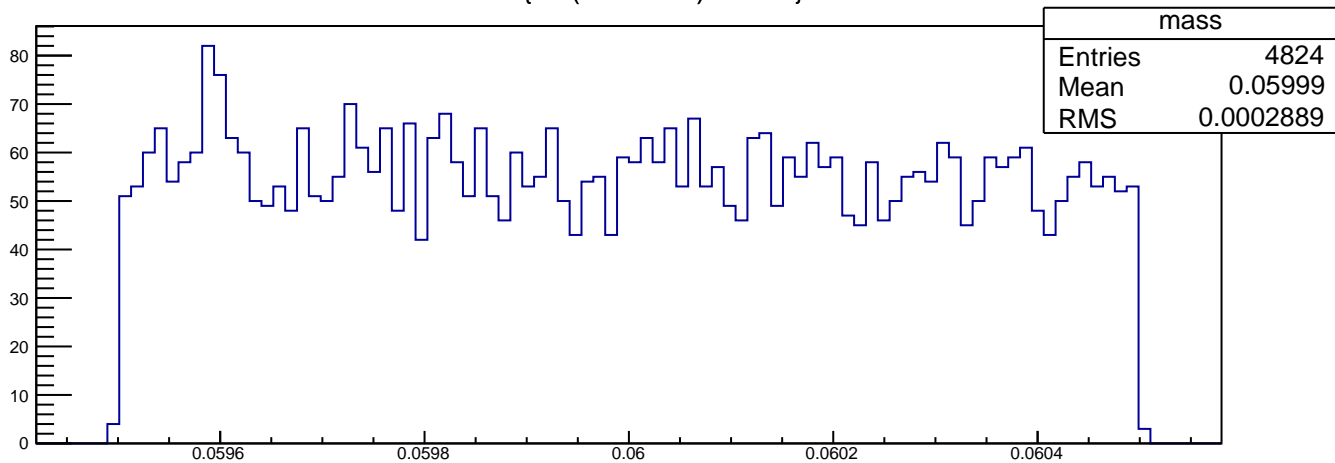
mass 0.0591836734694



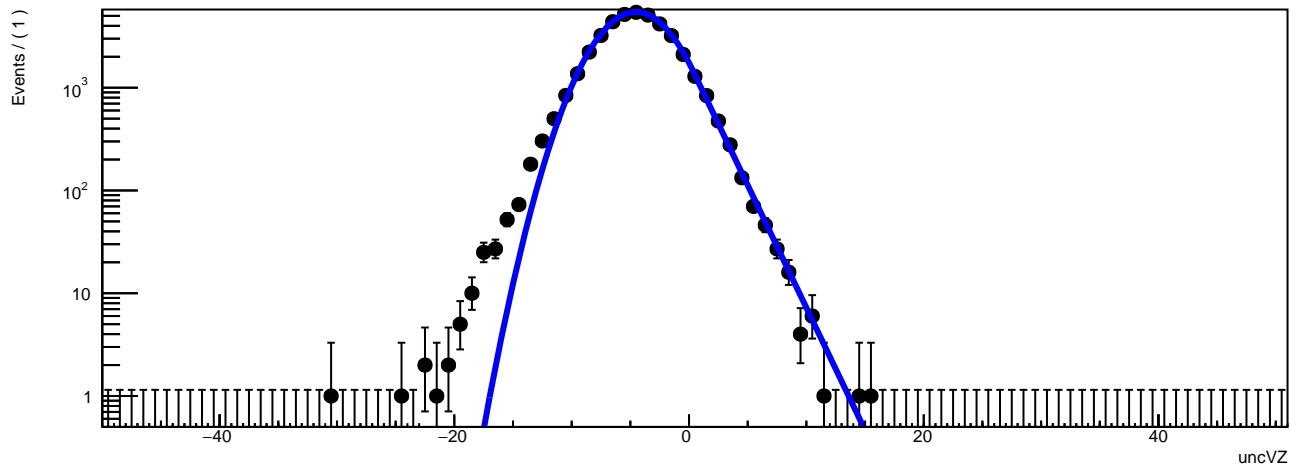
vertex Z, mass 0.0591836734694 +/- 0.00412341118796 GeV, zcut 16.0516978607 mm



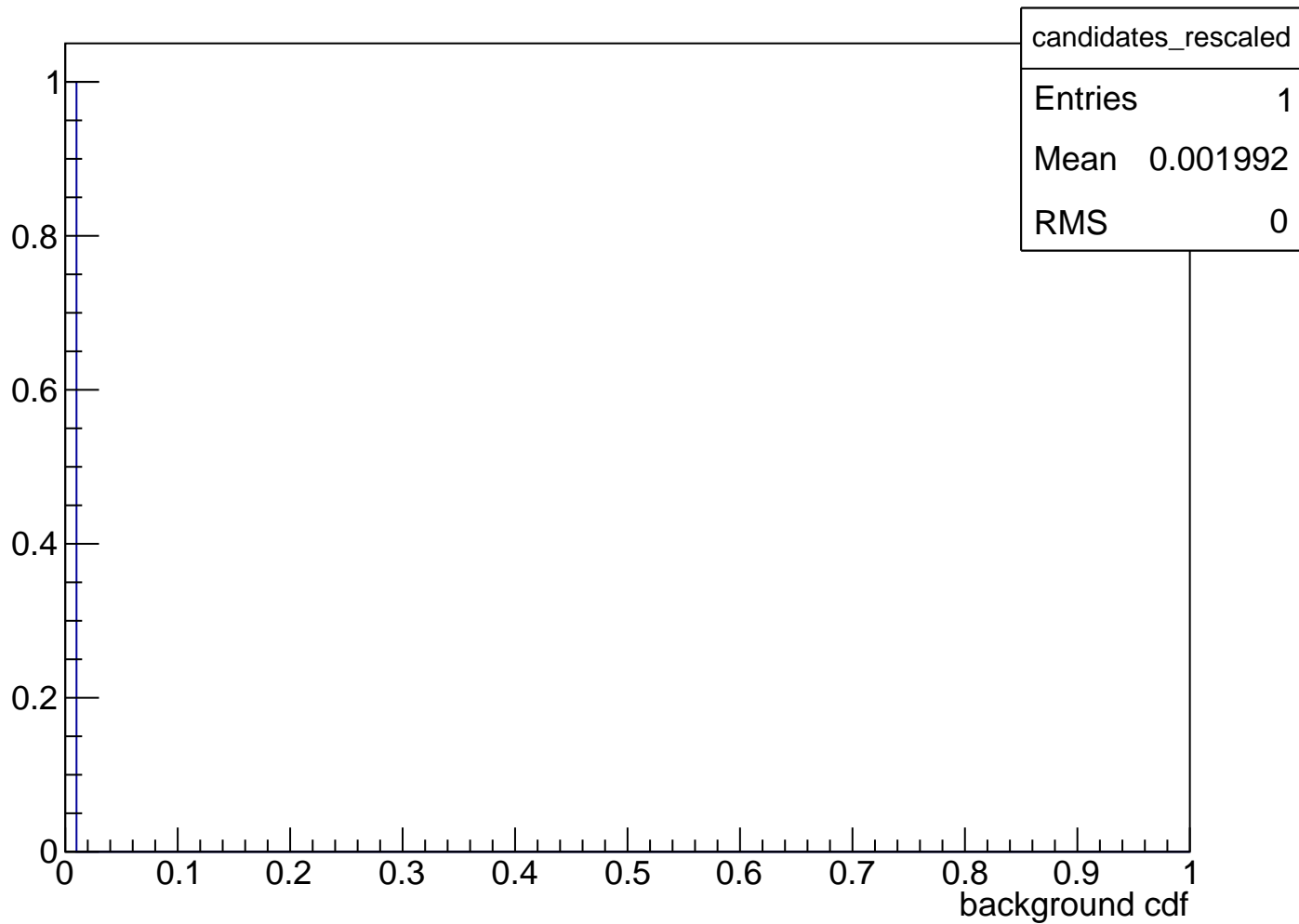
uncM {abs(uncM-0.06)<0.0005}



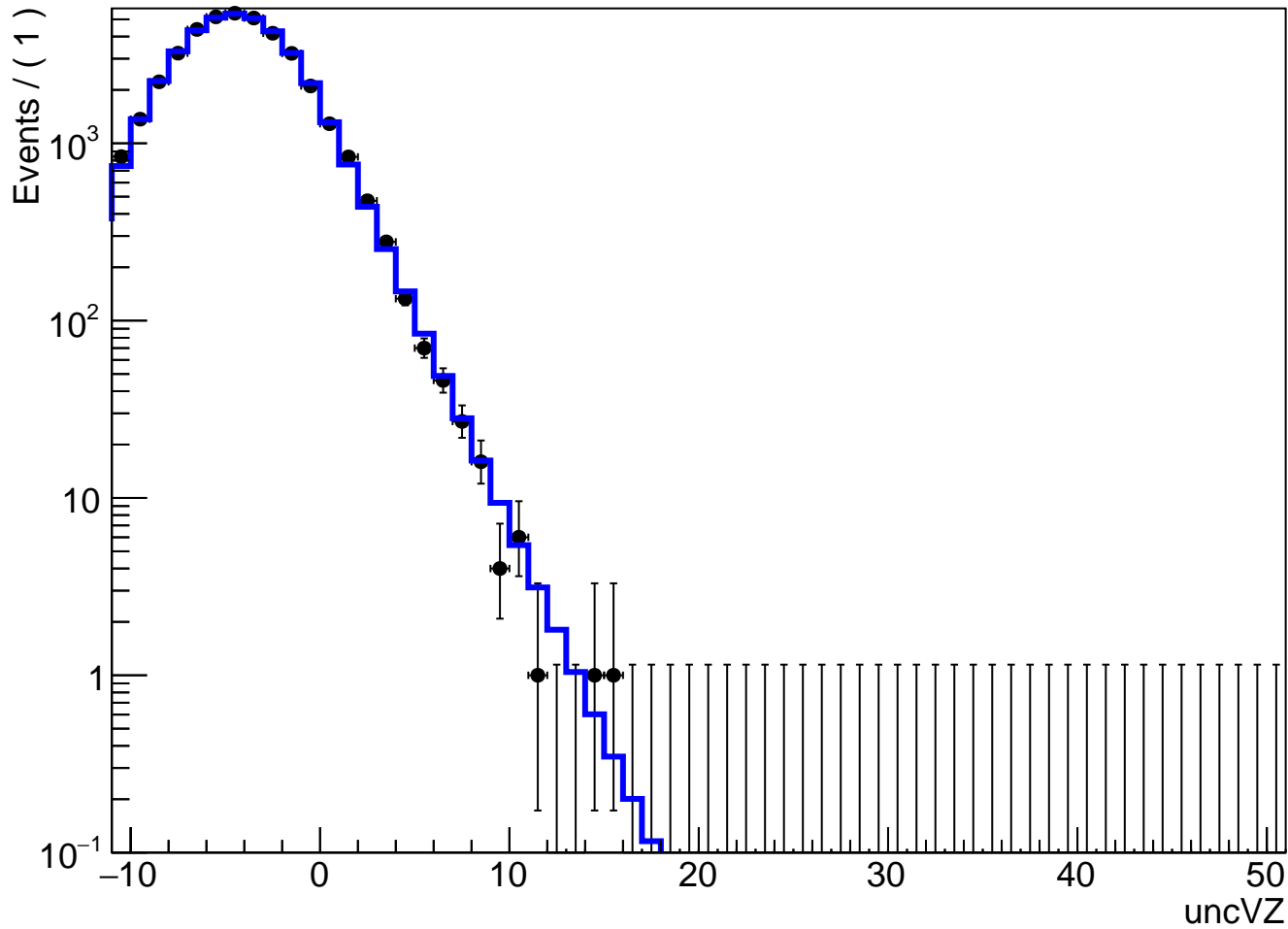
vertex Z, mass 0.06 +/- 0.00416647314424 GeV, zcut 15.8549691669 mm



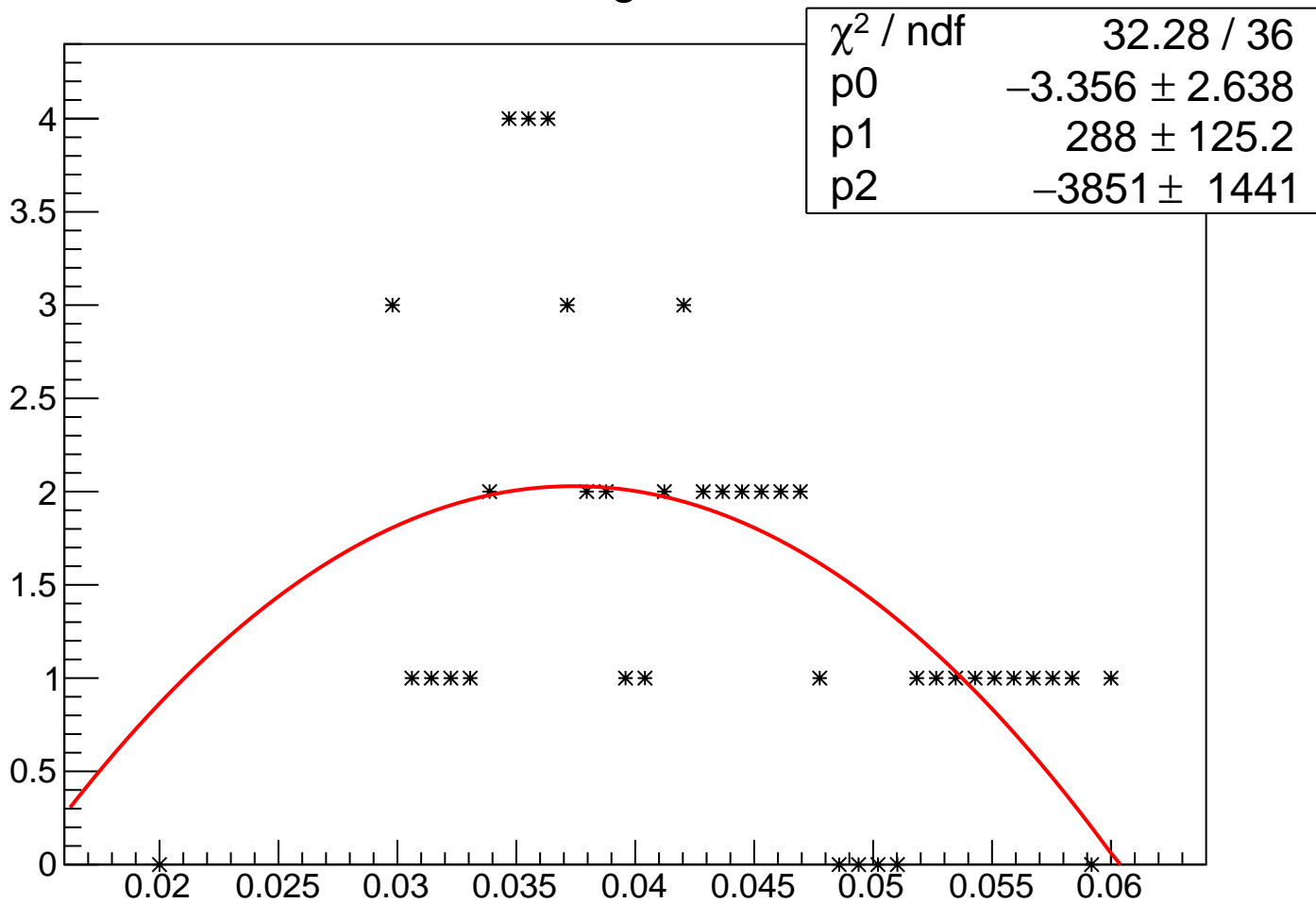
mass 0.06



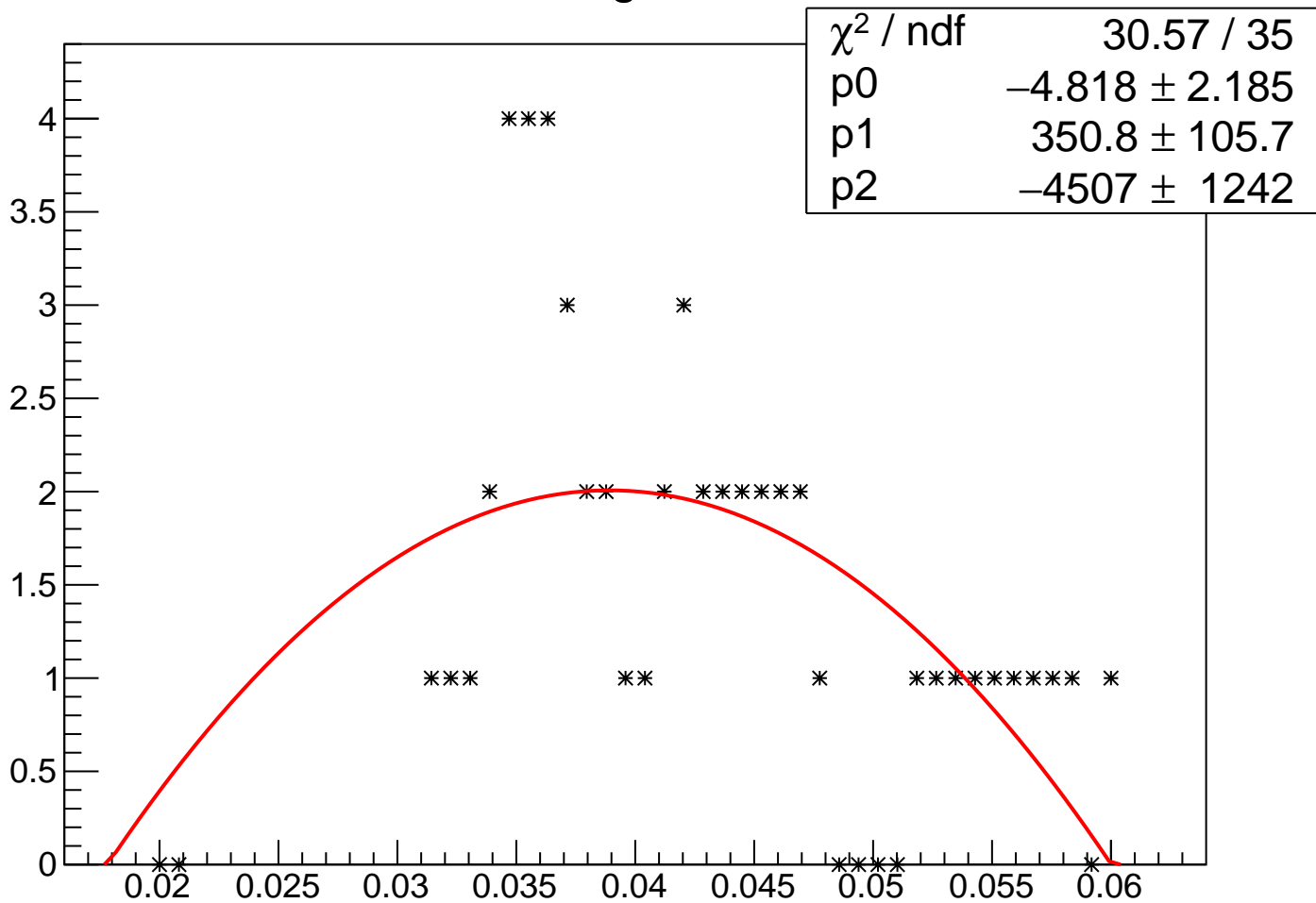
vertex Z, mass 0.06 +/- 0.00416647314424 GeV, zcut 15.8549691669 mm



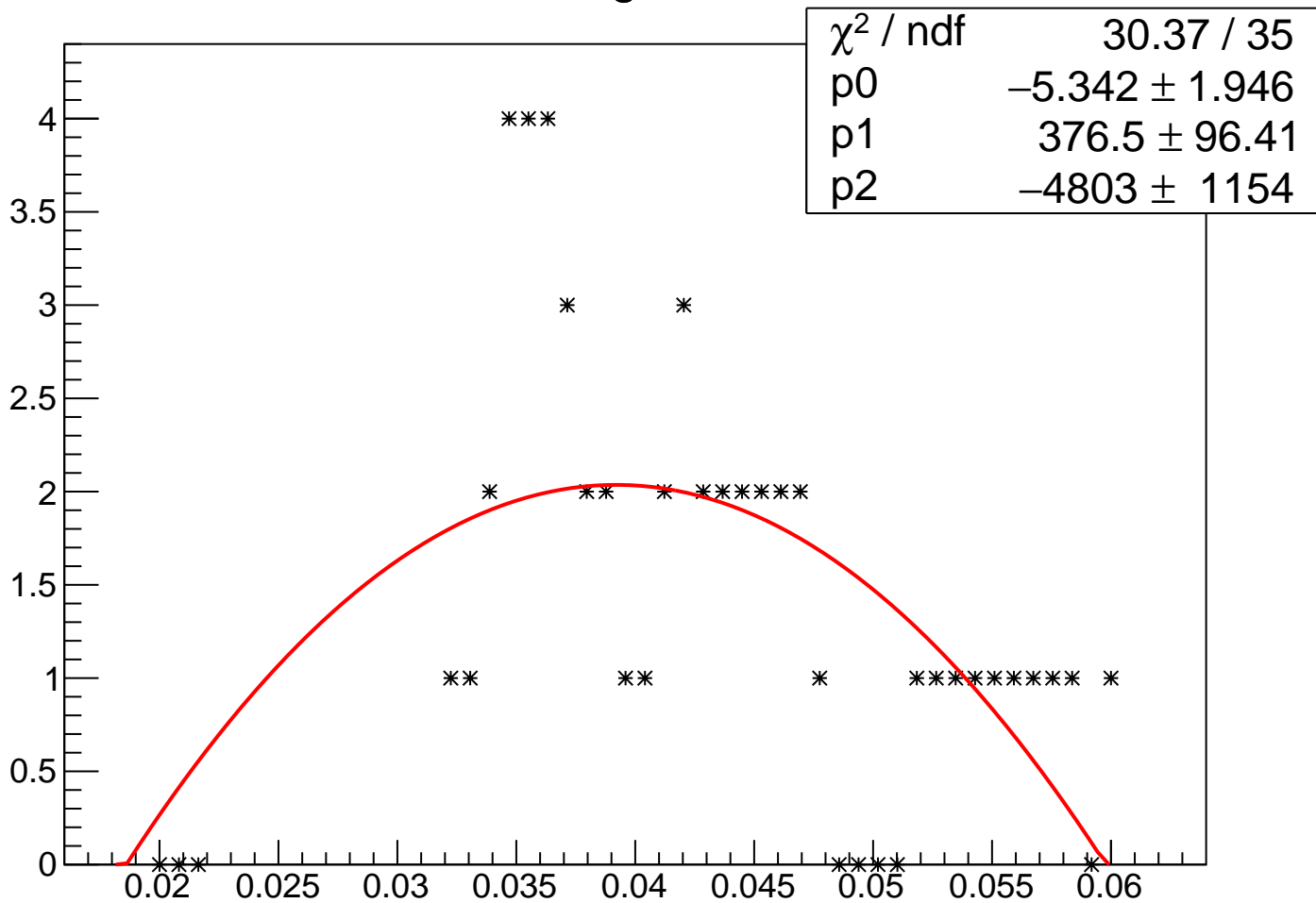
background



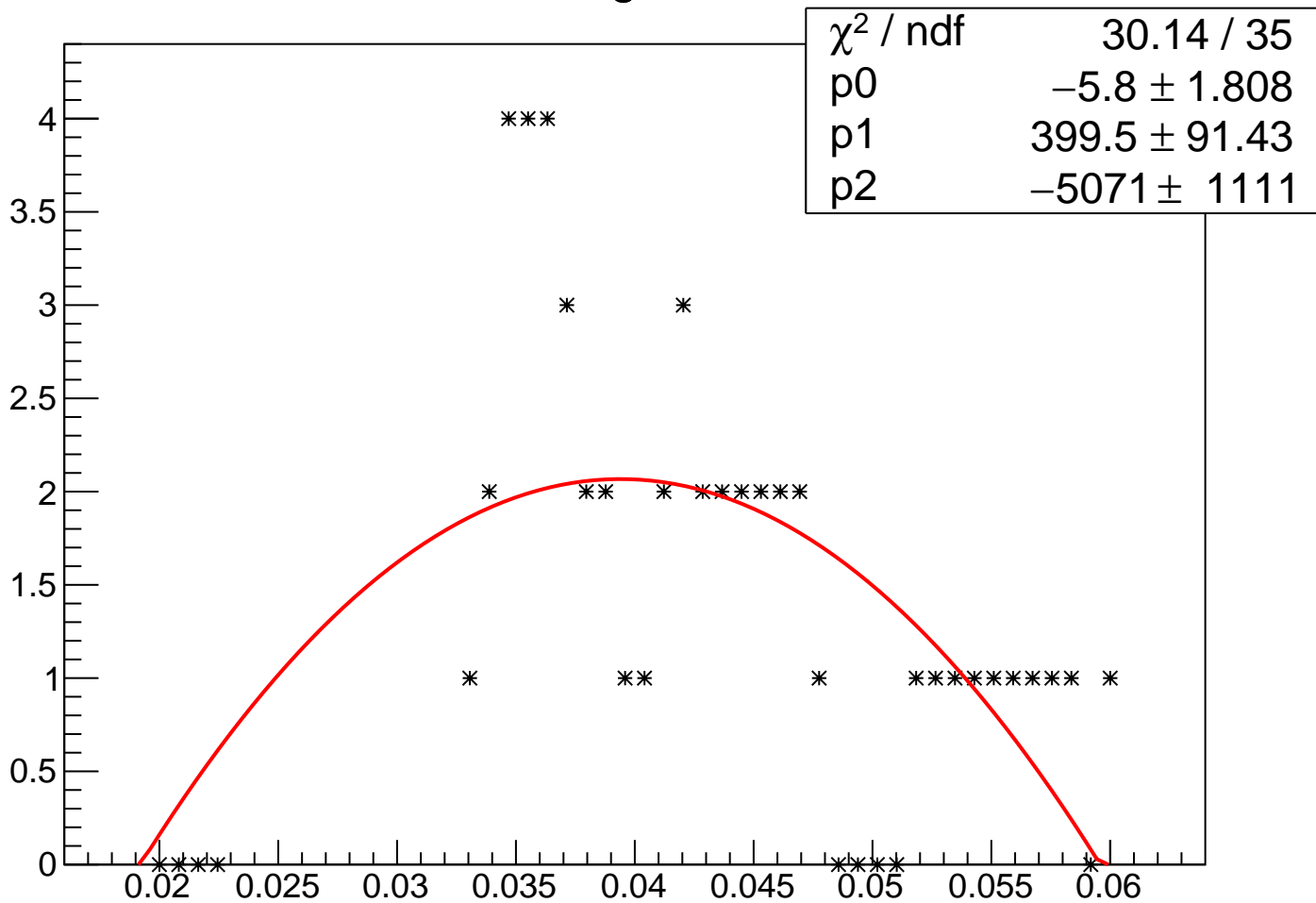
background



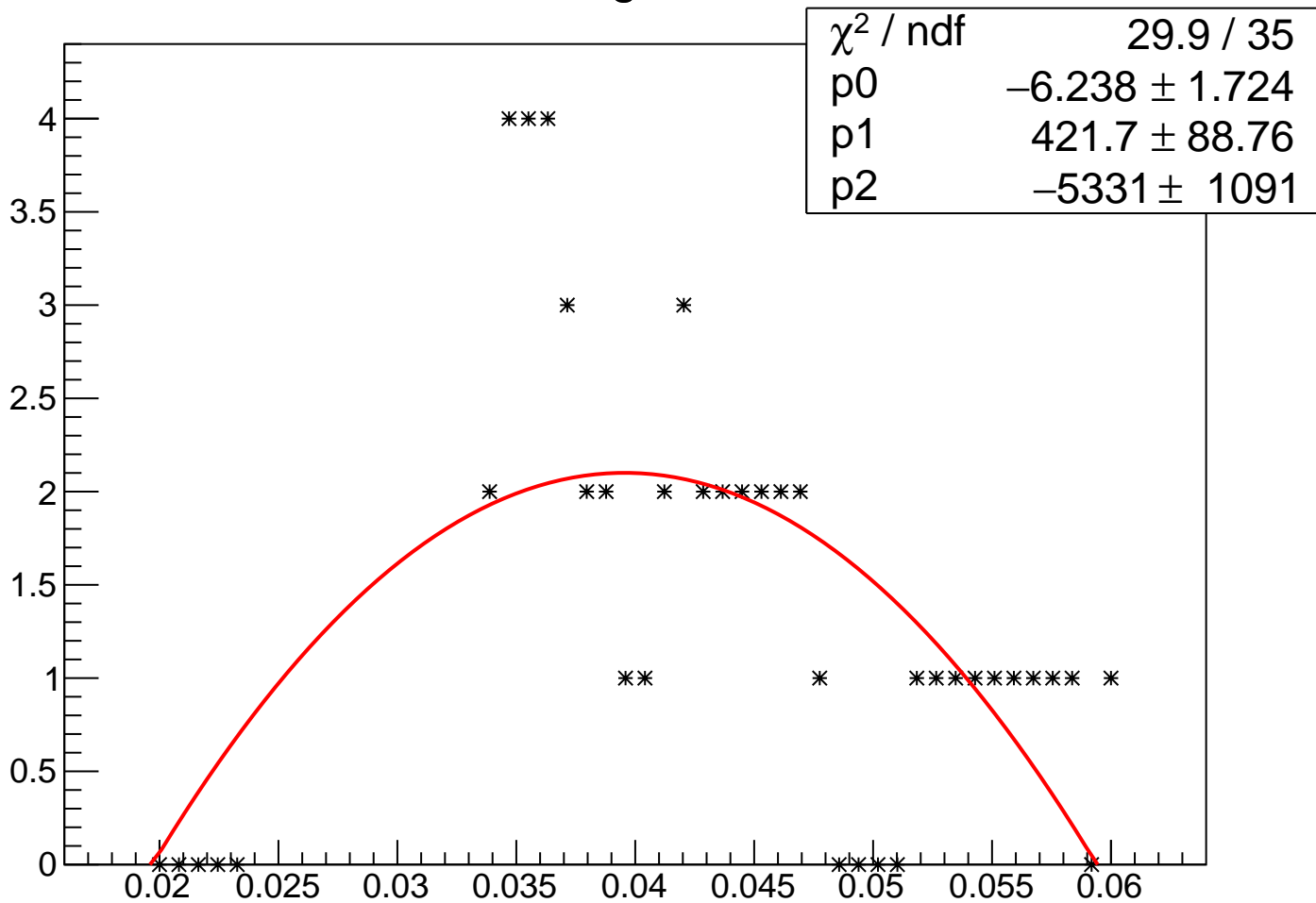
background



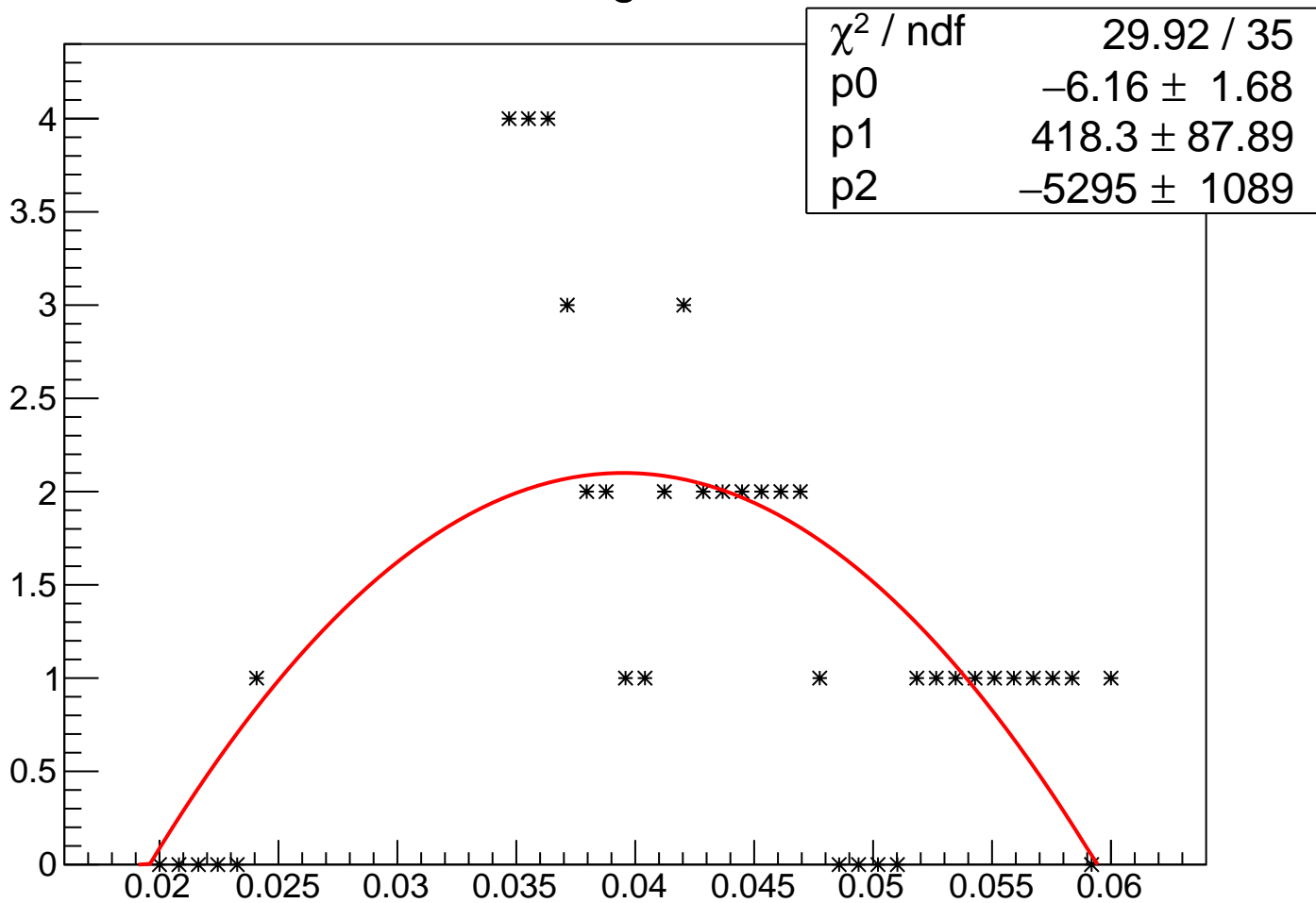
background



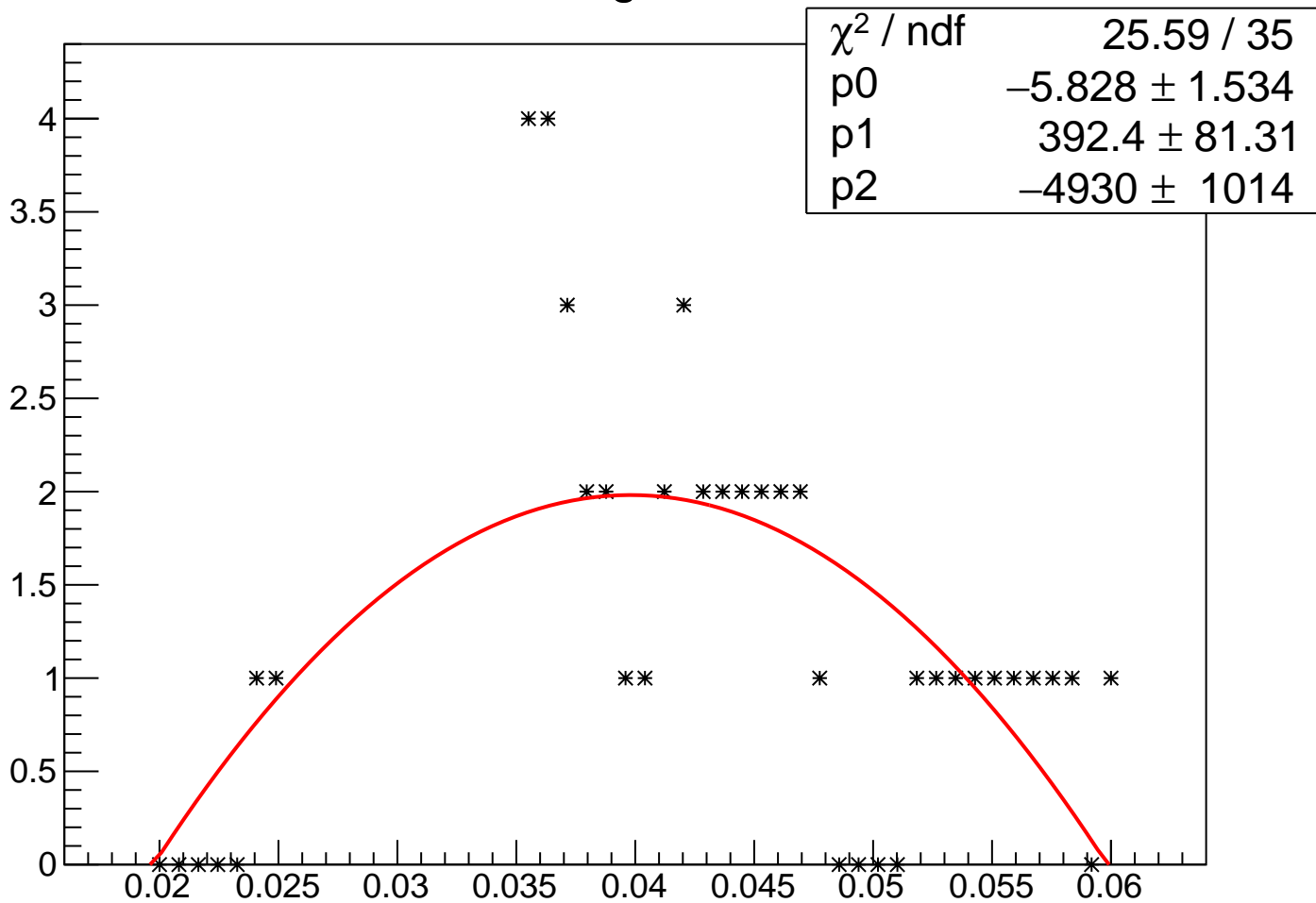
background



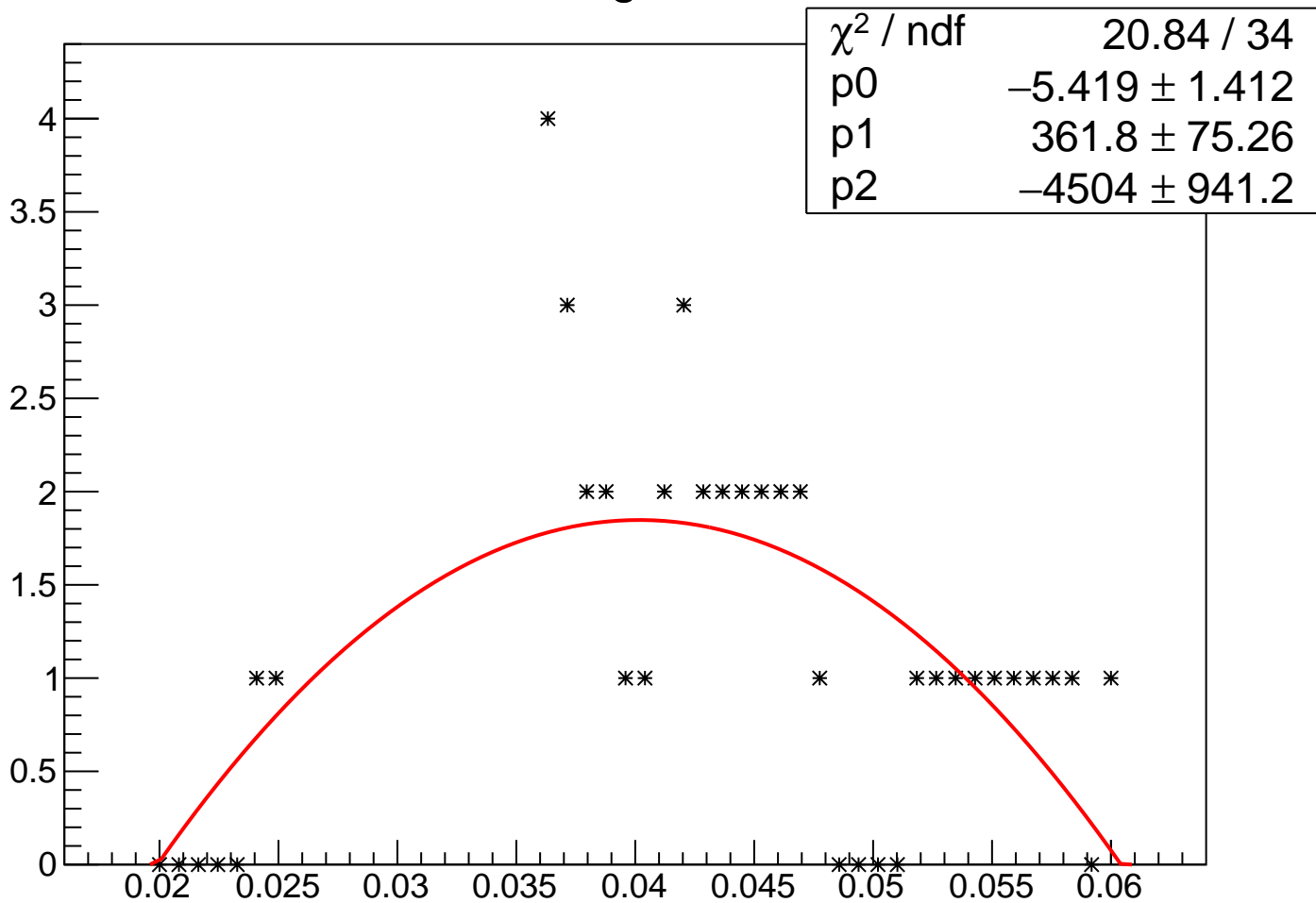
background



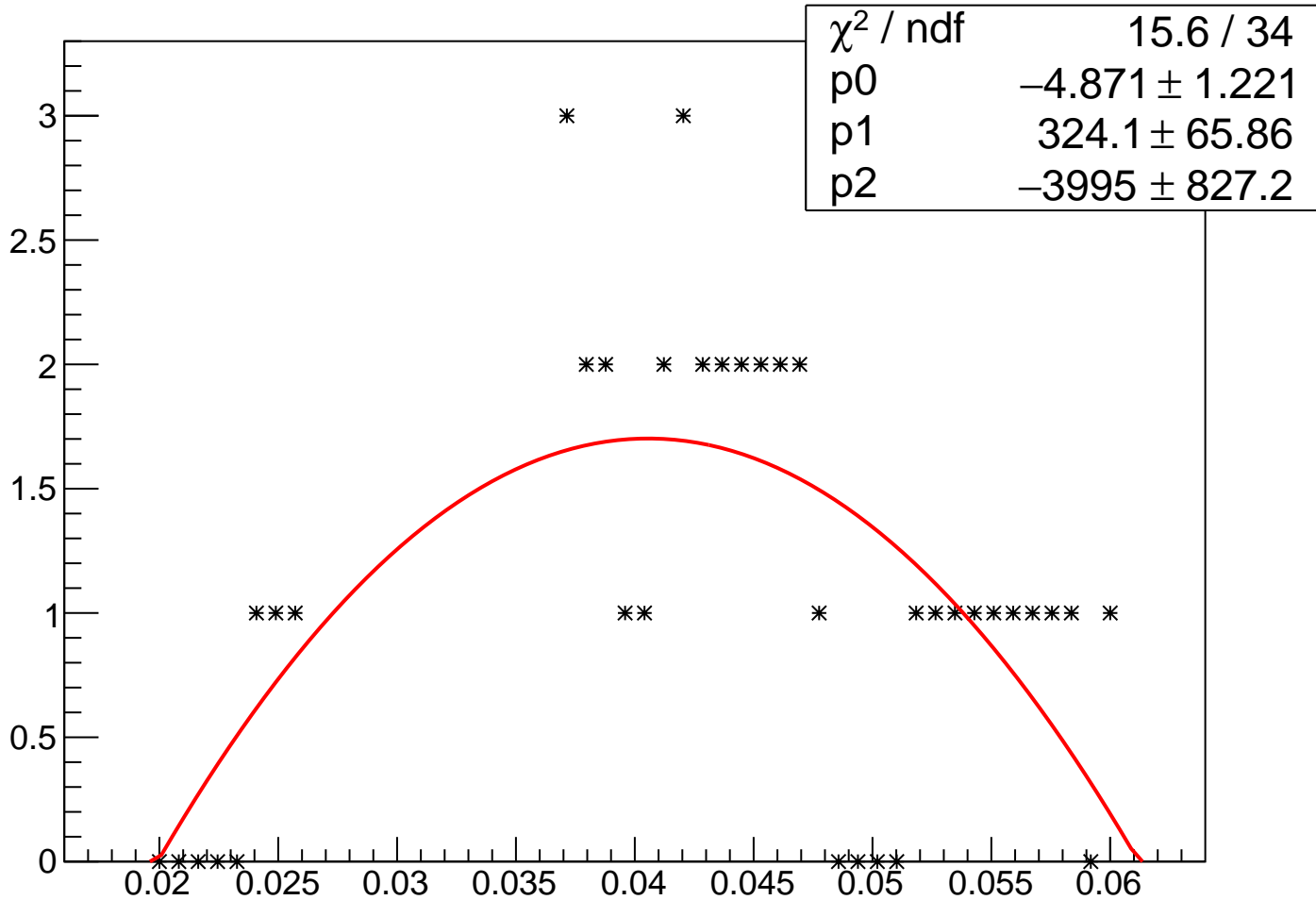
background



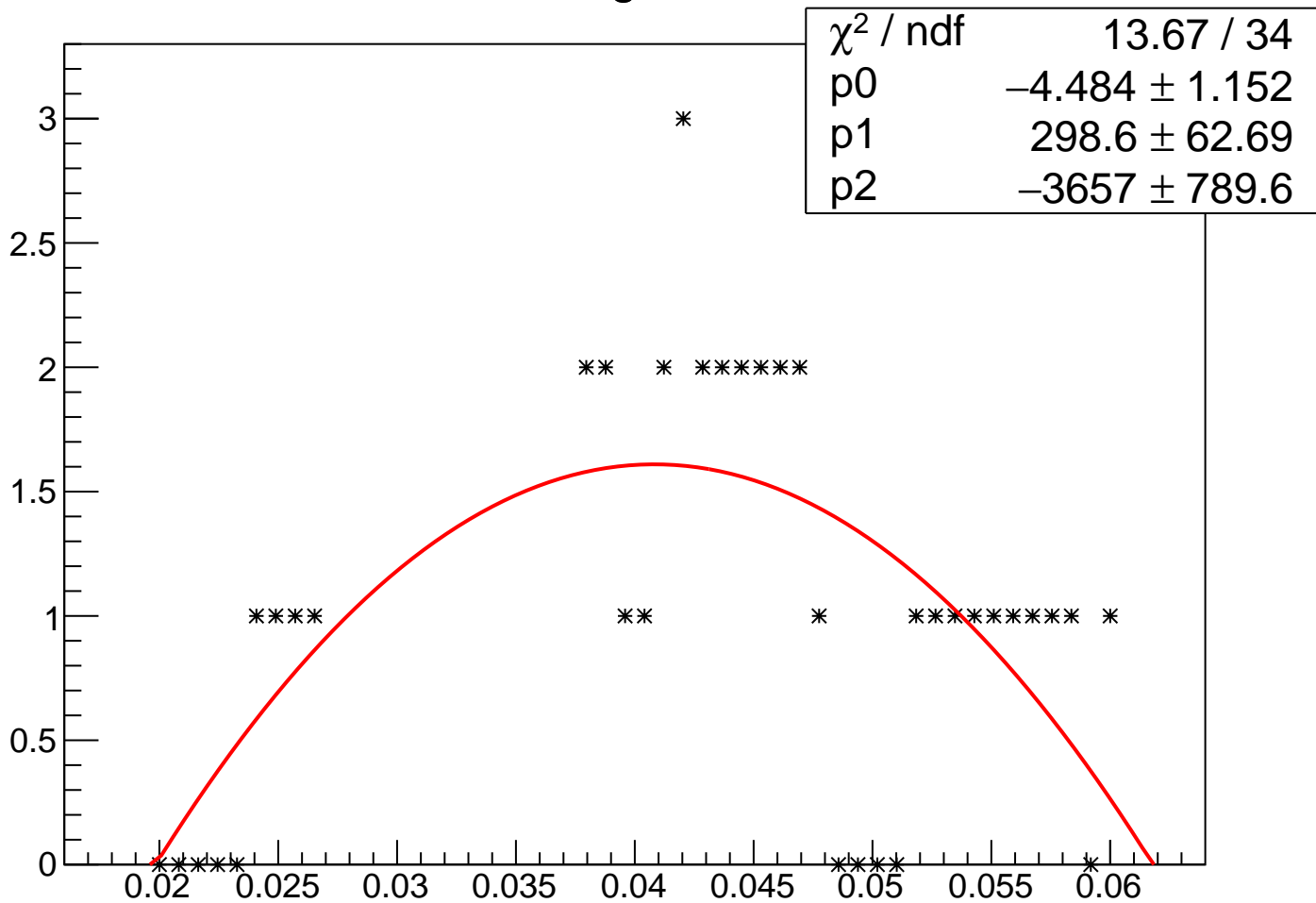
background



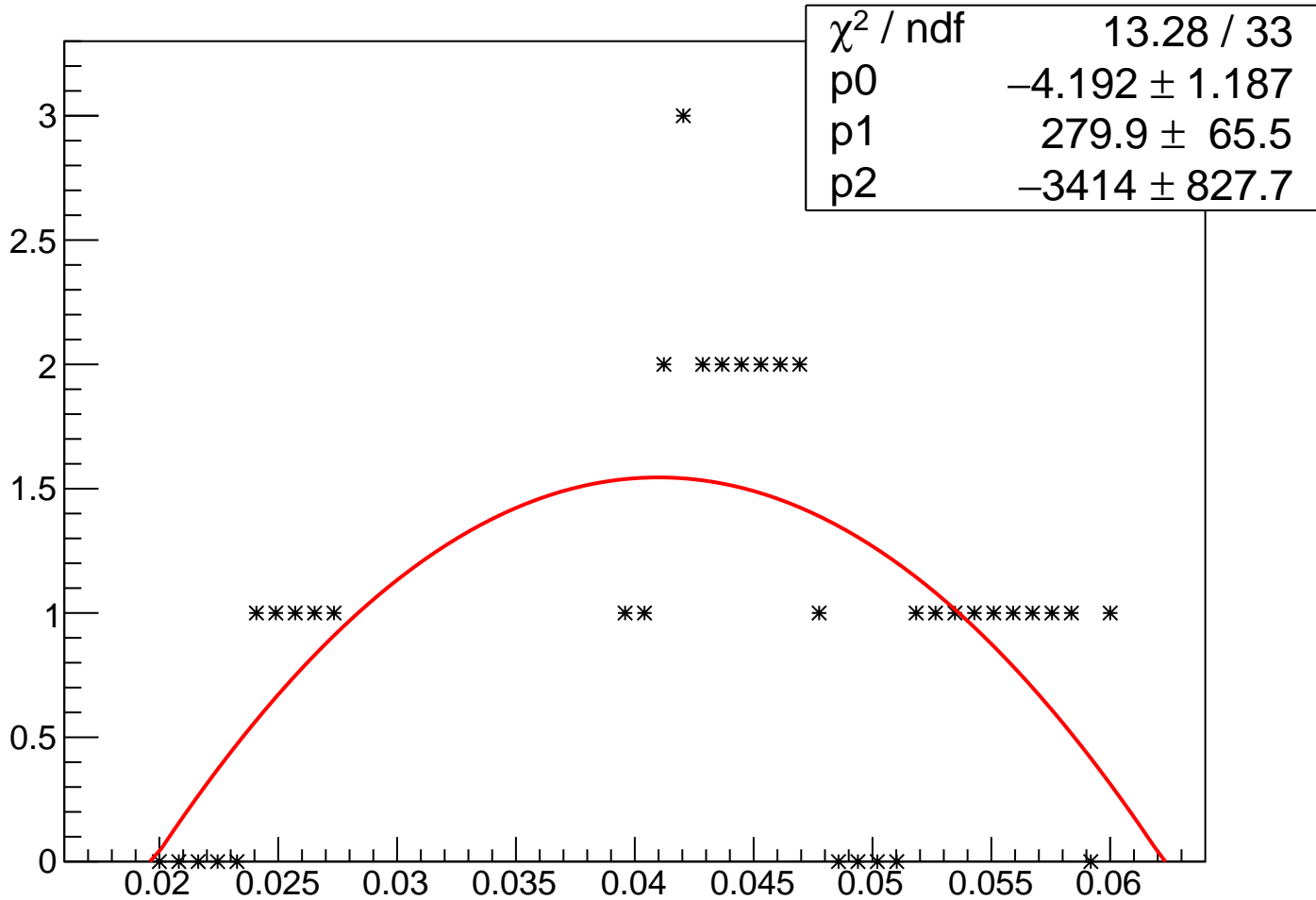
background



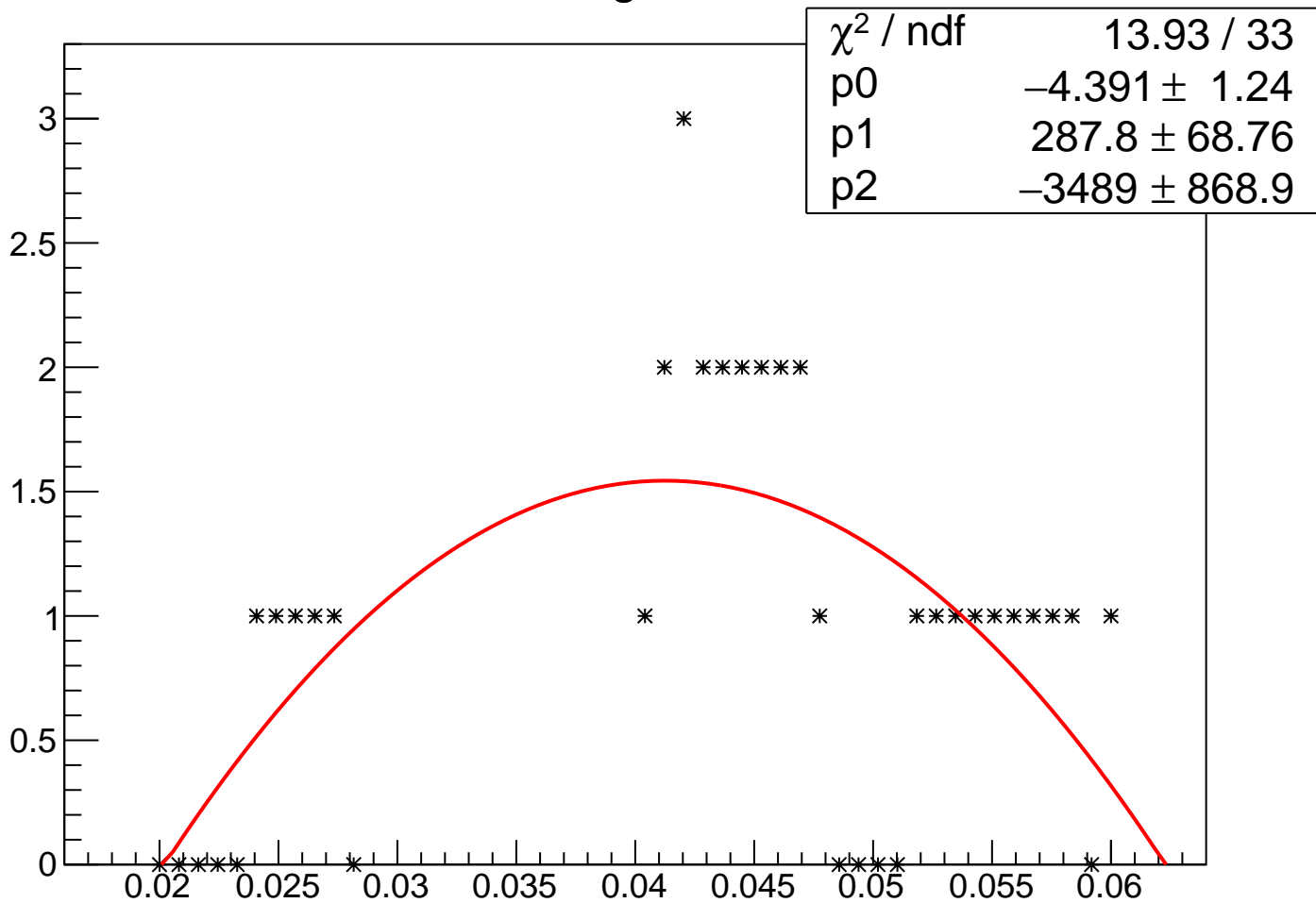
background



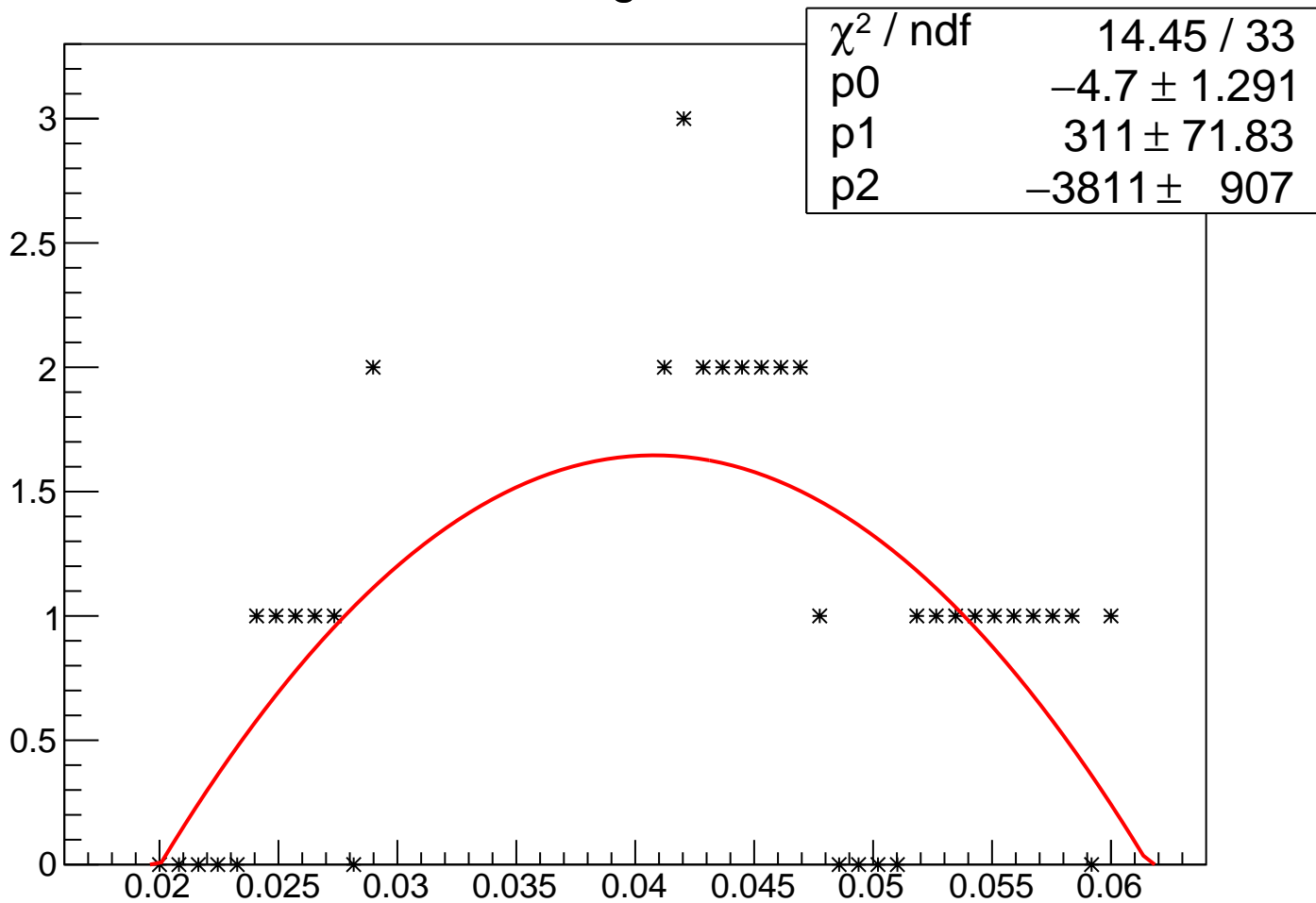
background



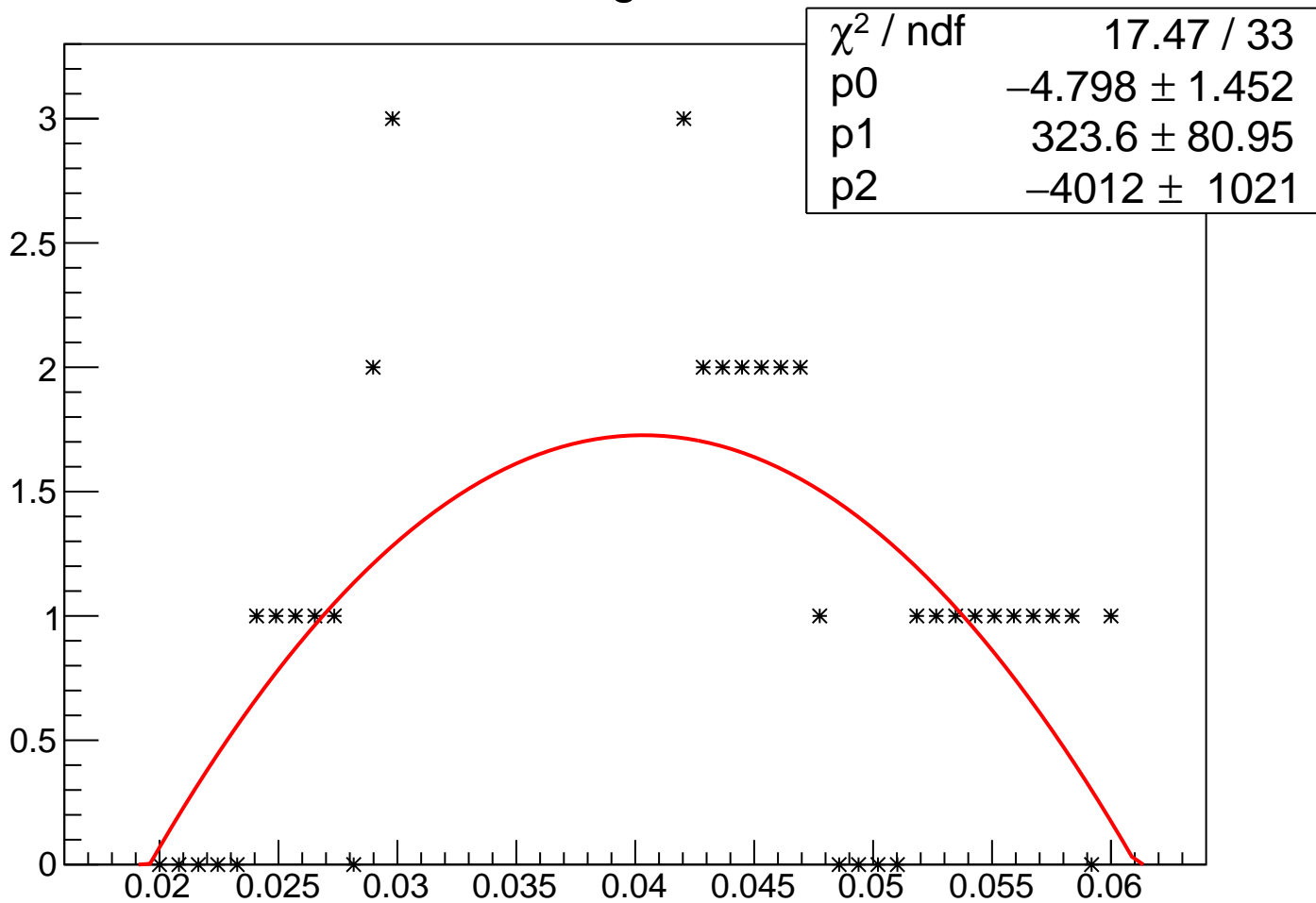
background



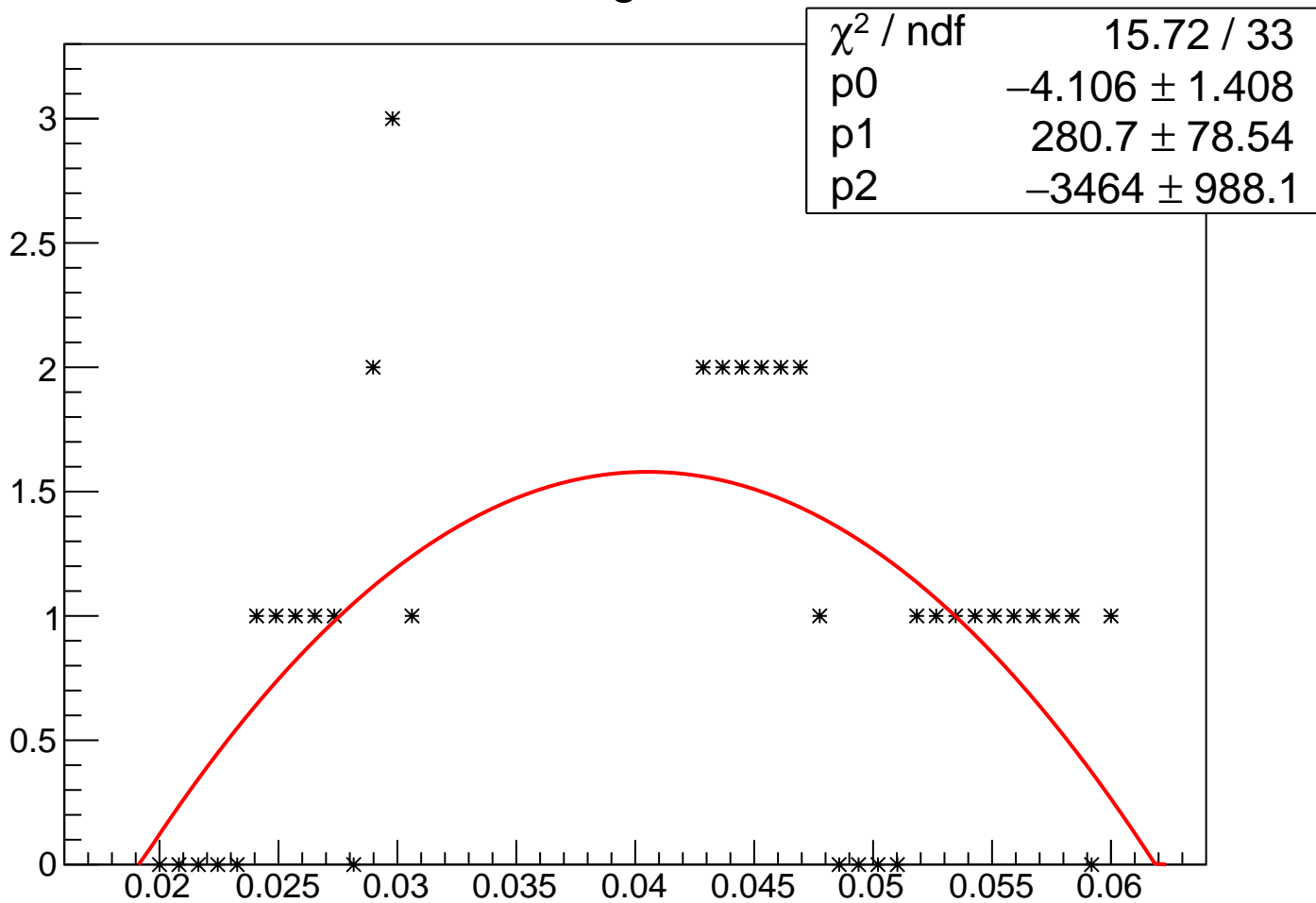
background



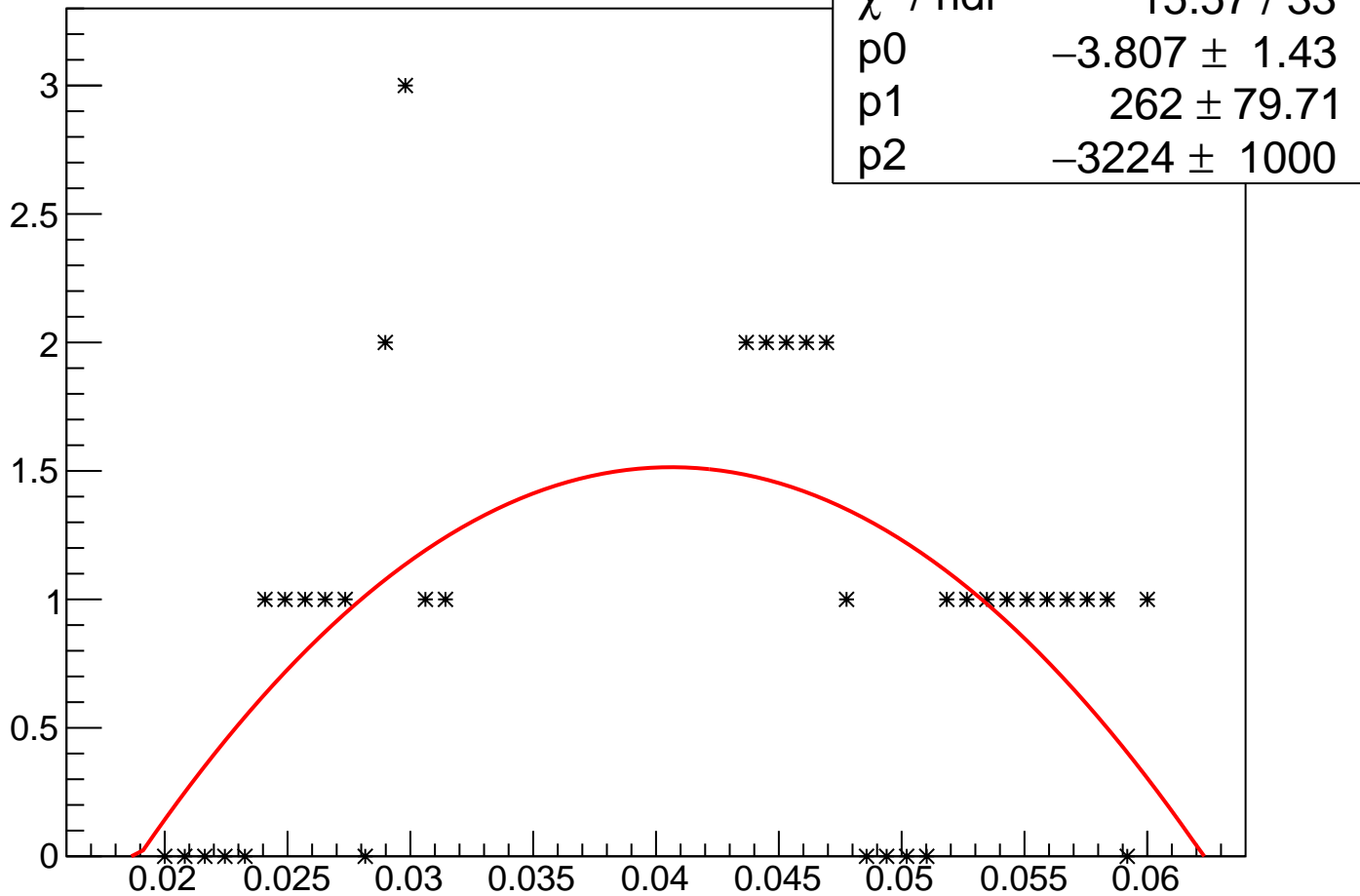
background



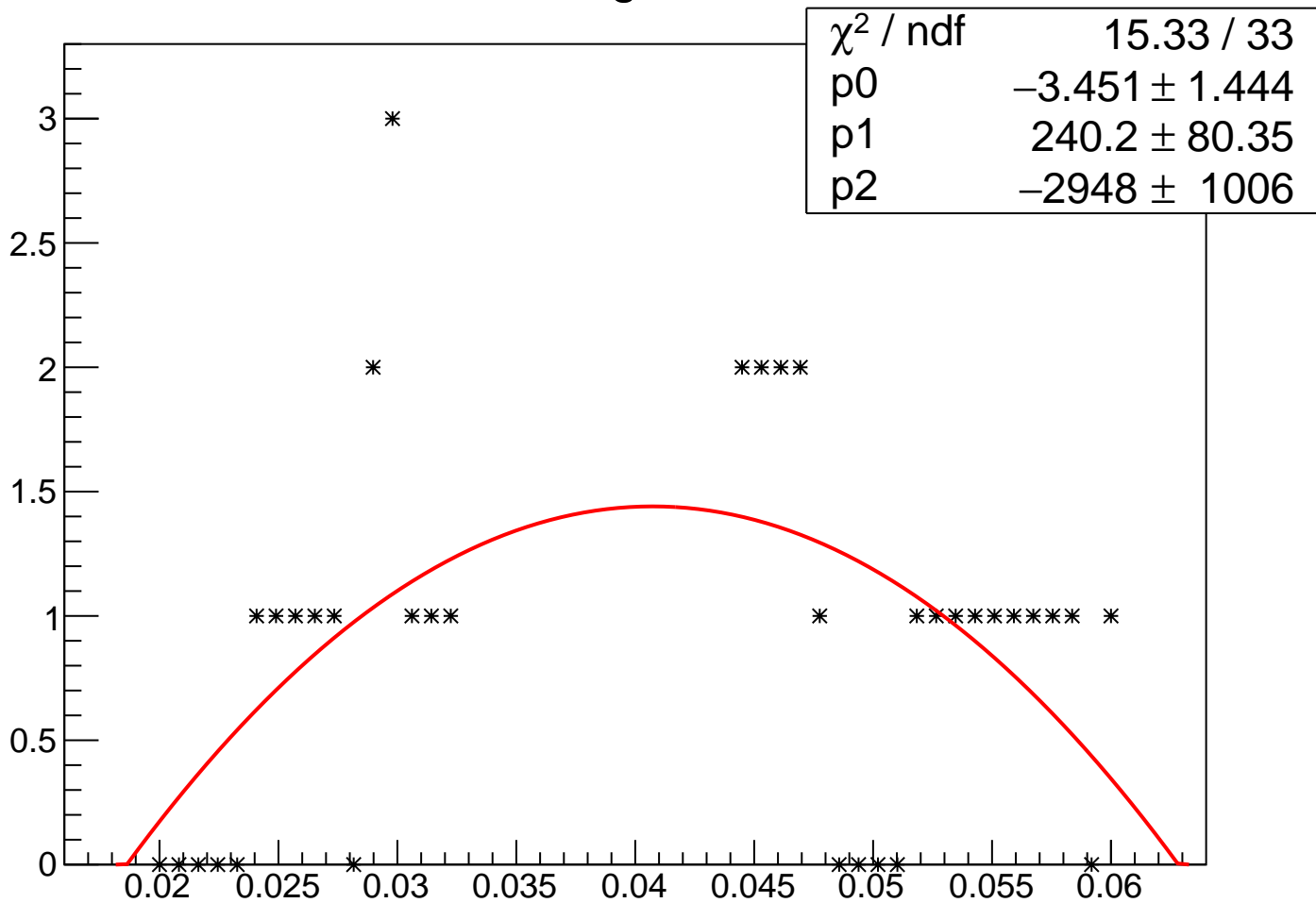
background



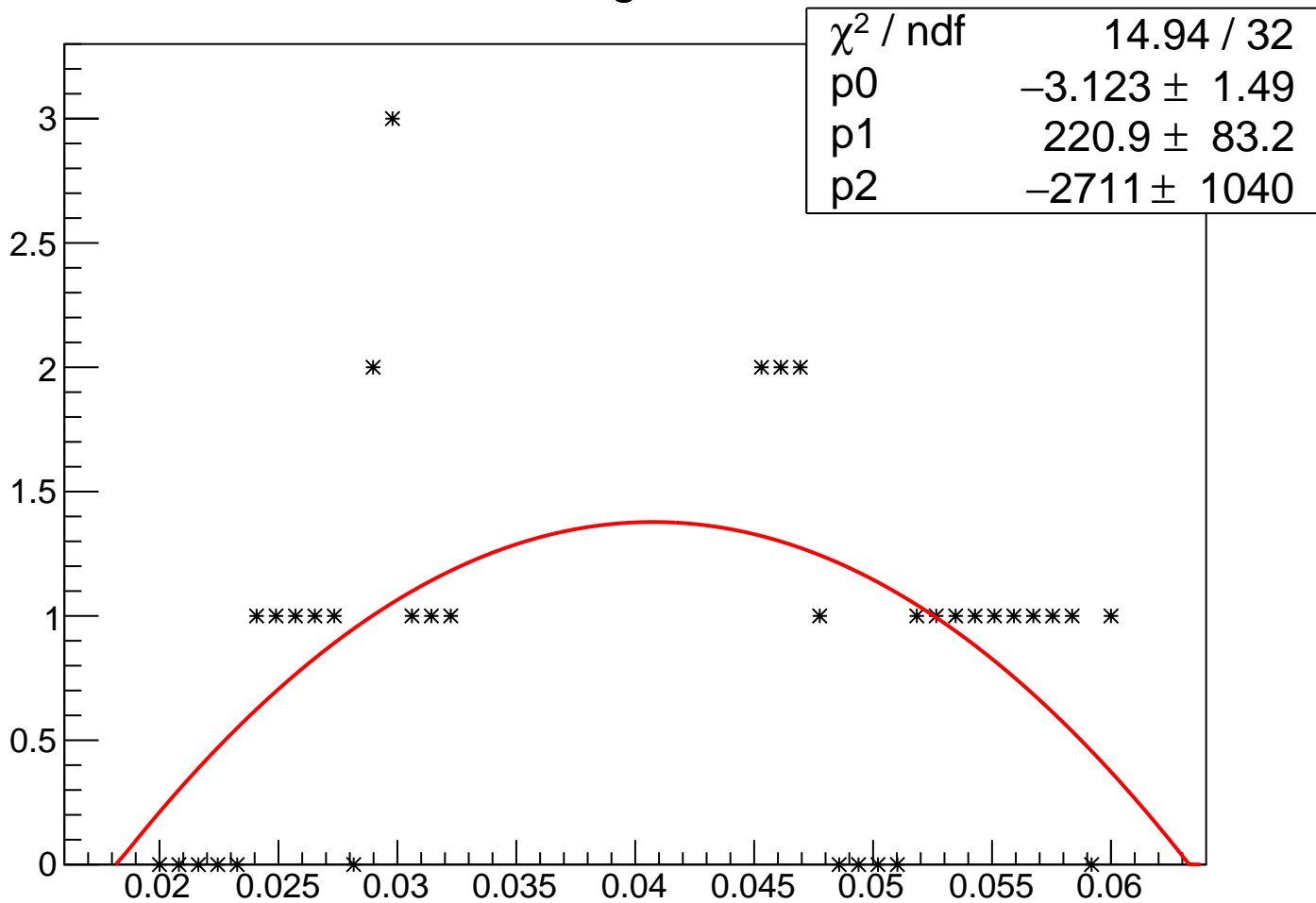
χ^2 / ndf	15.57 / 33
p0	-3.807 ± 1.43
p1	262 ± 79.71
p2	-3224 ± 1000



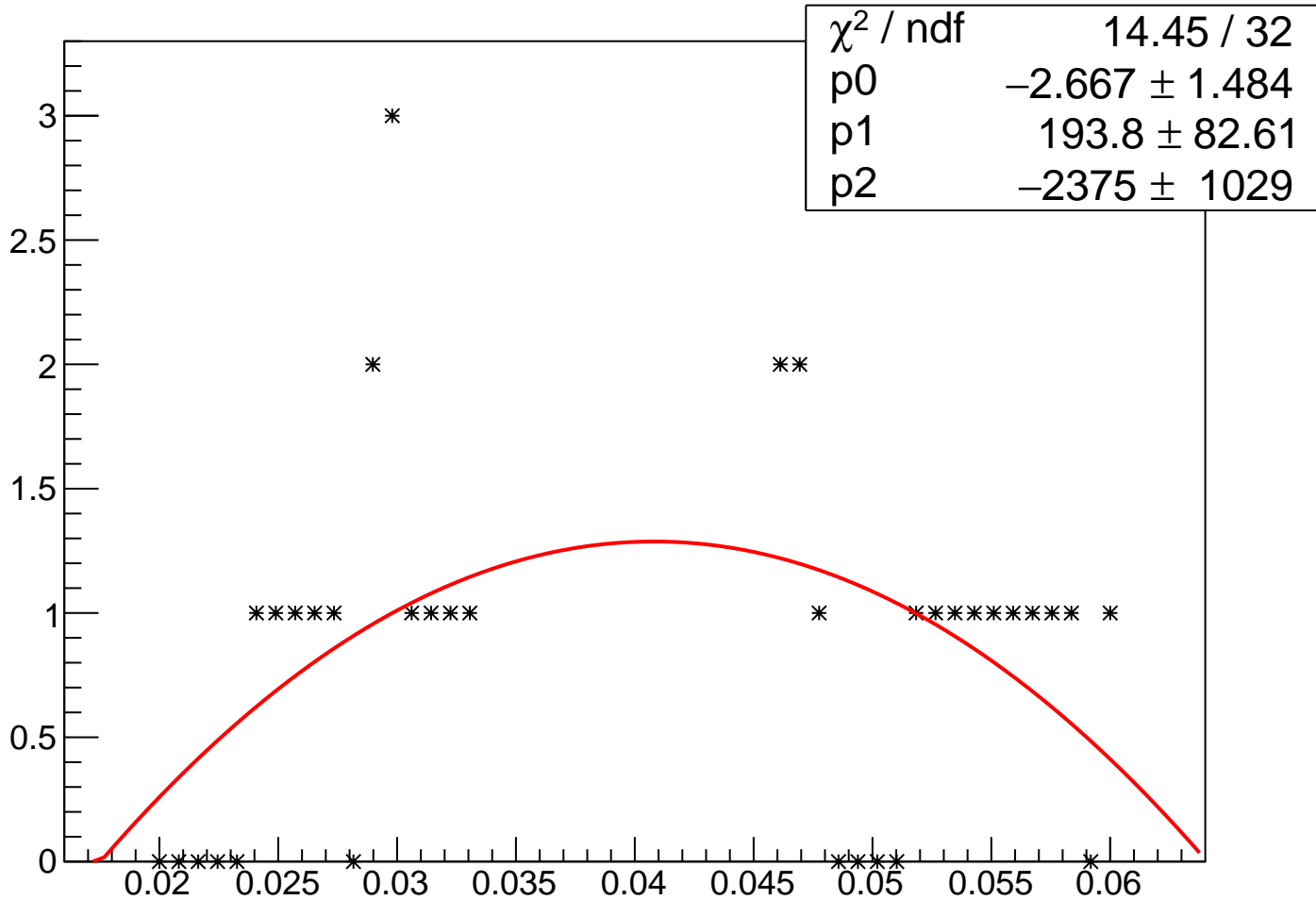
background



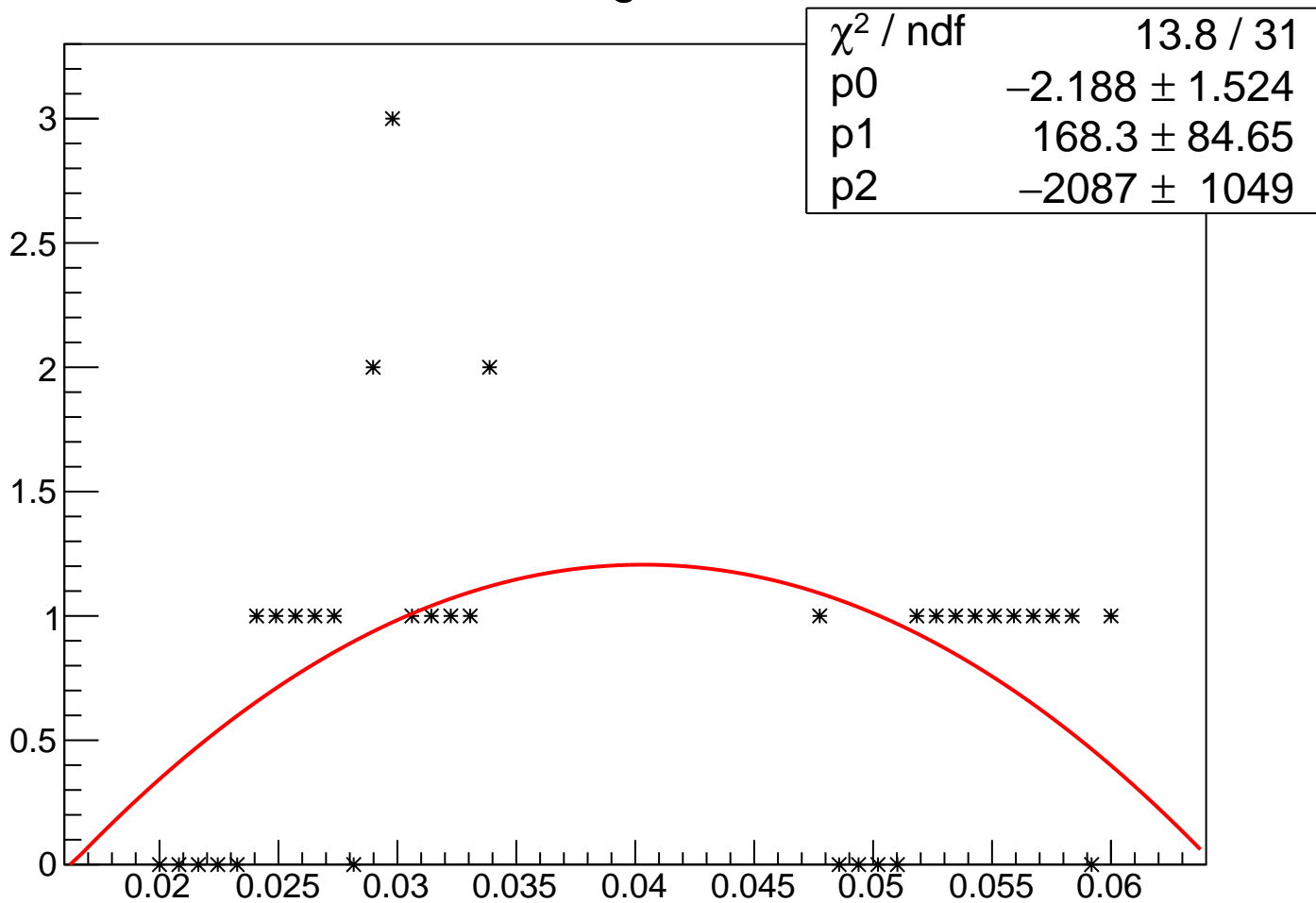
background



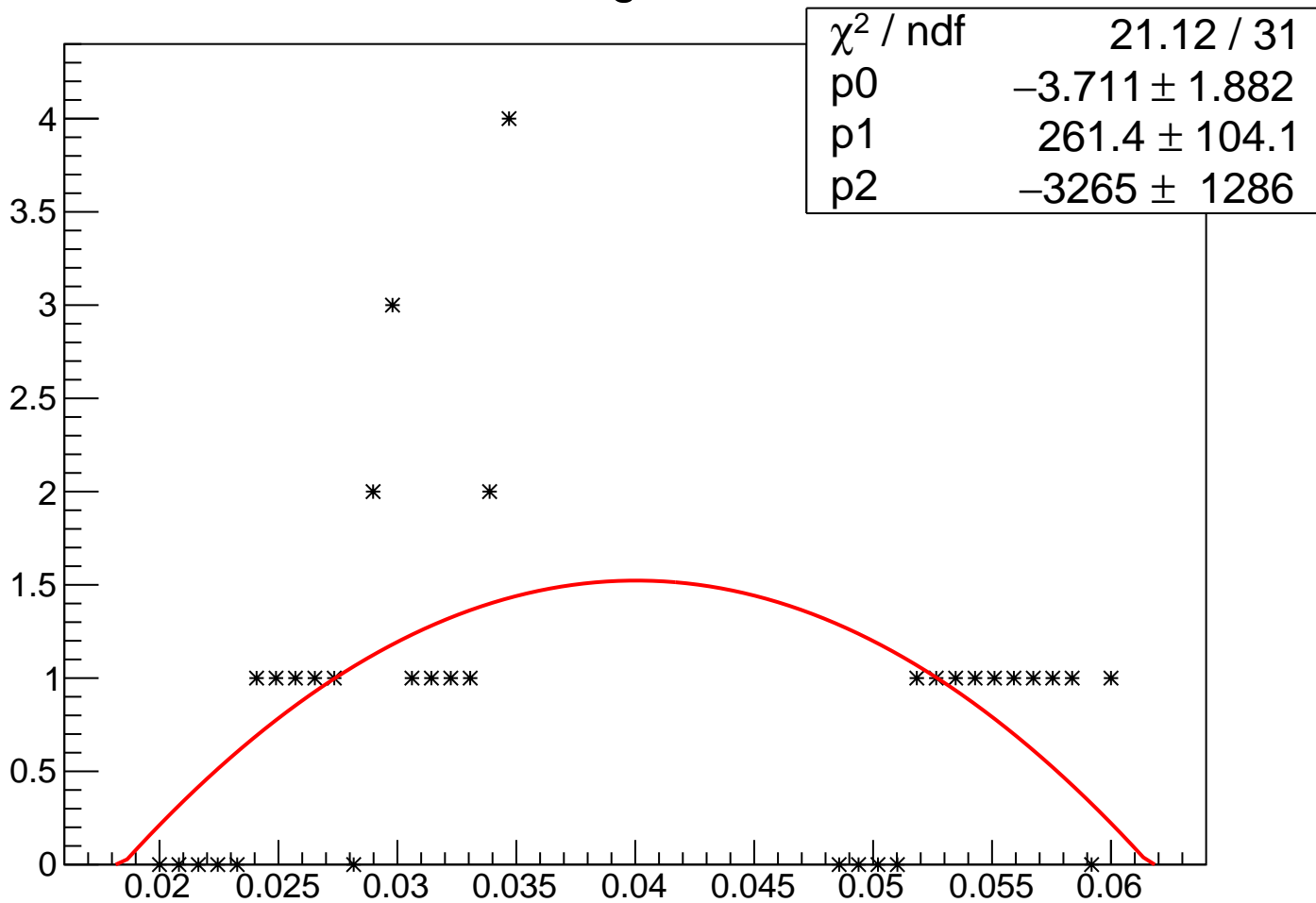
background



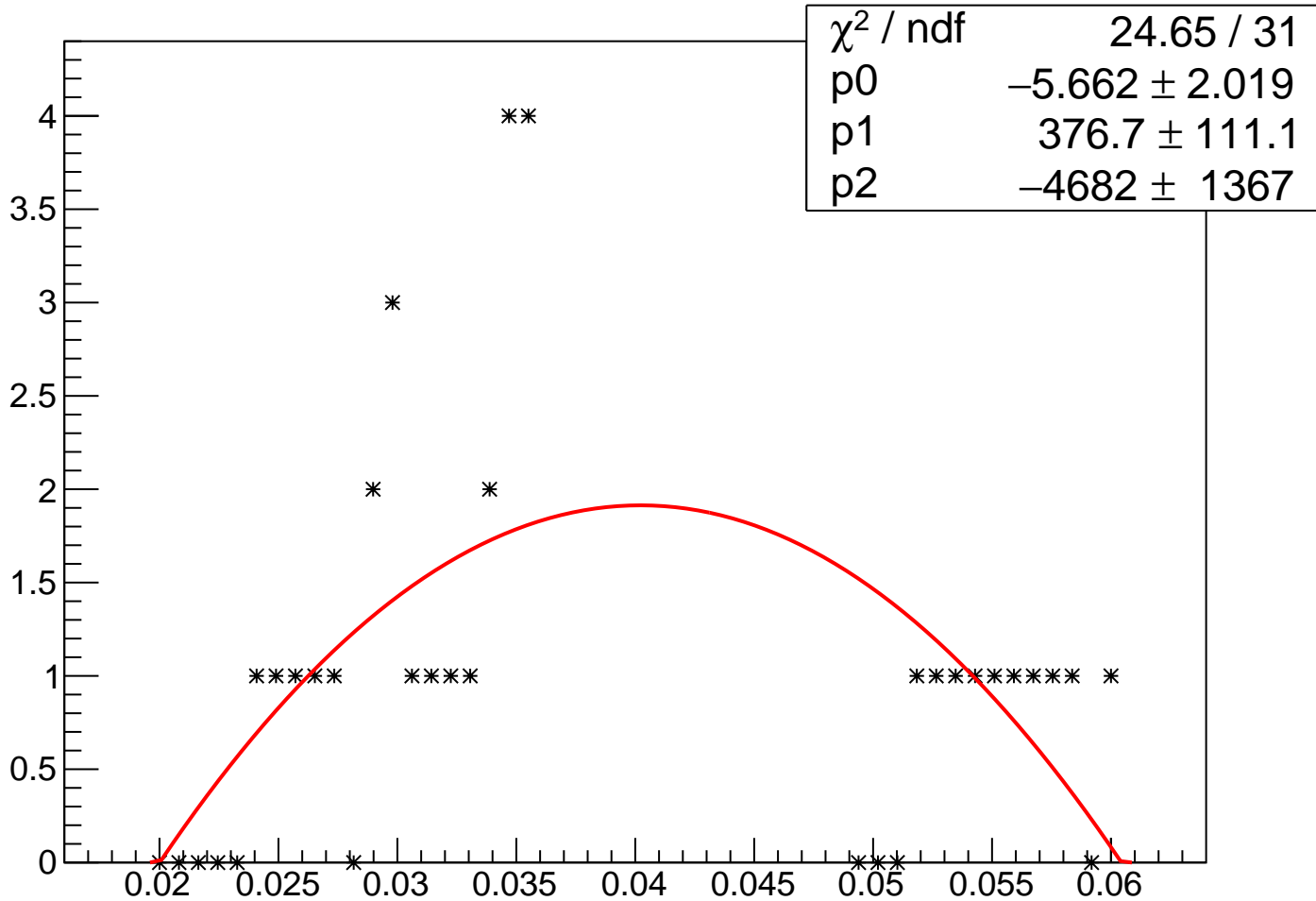
background



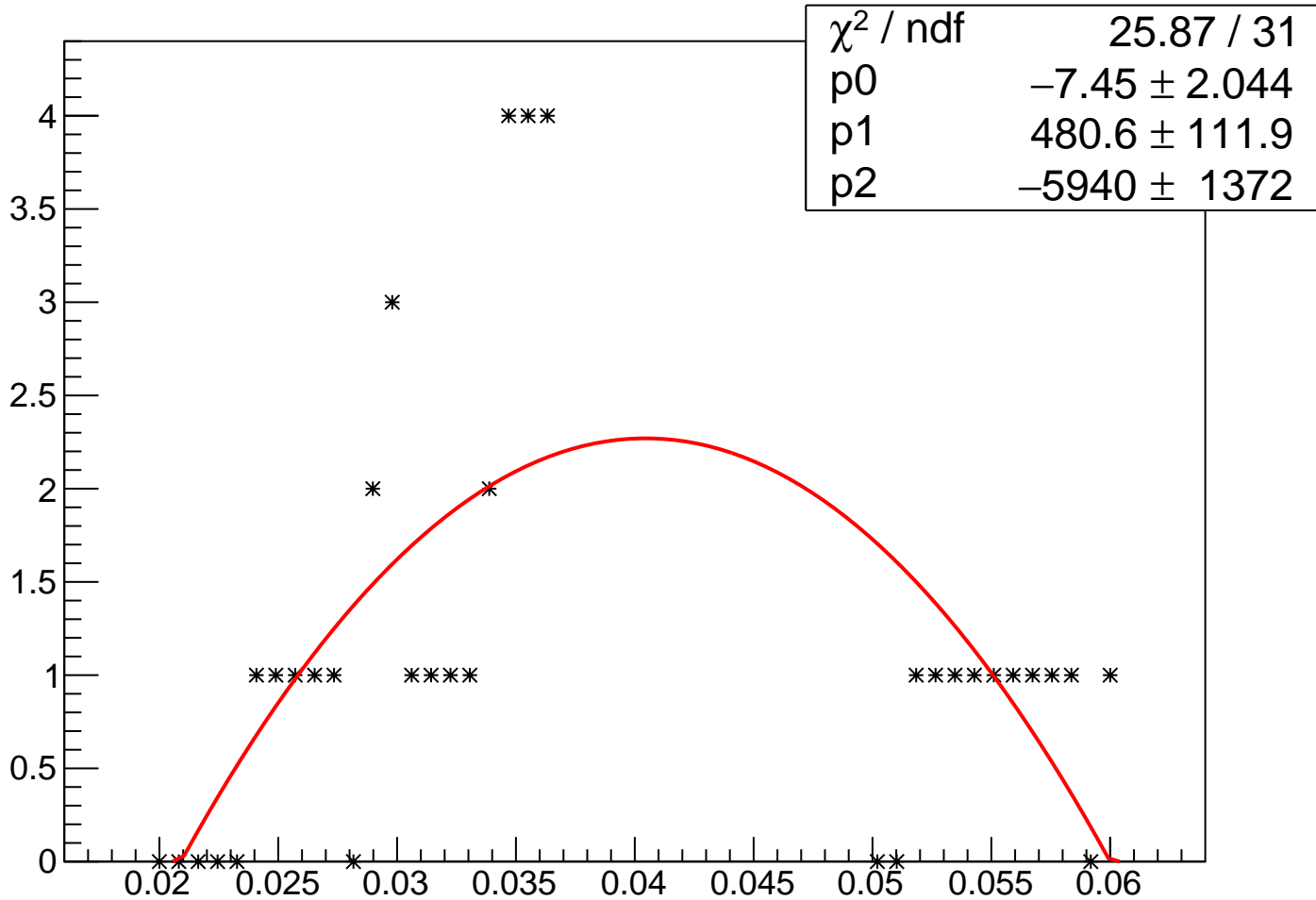
background



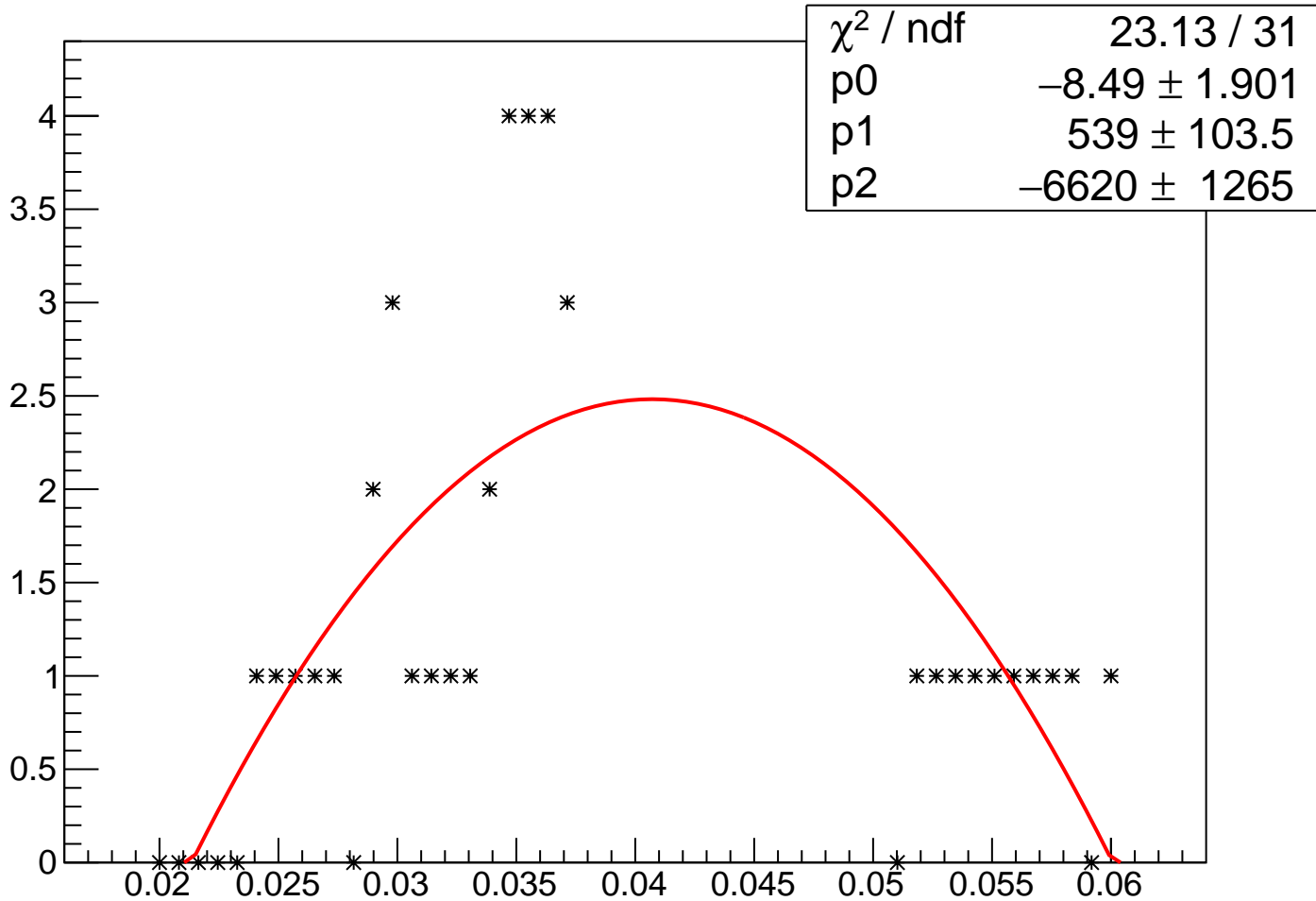
background



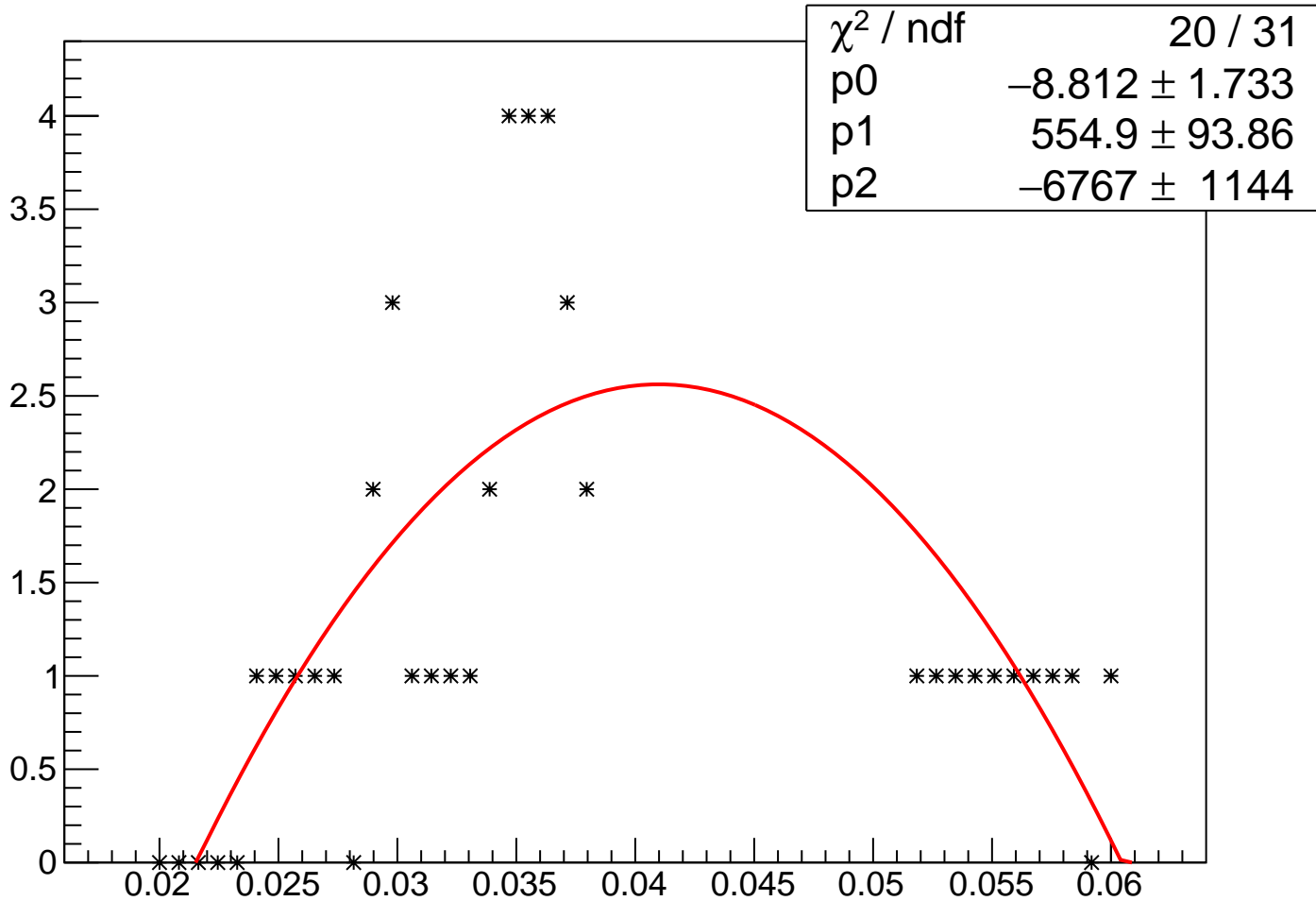
background



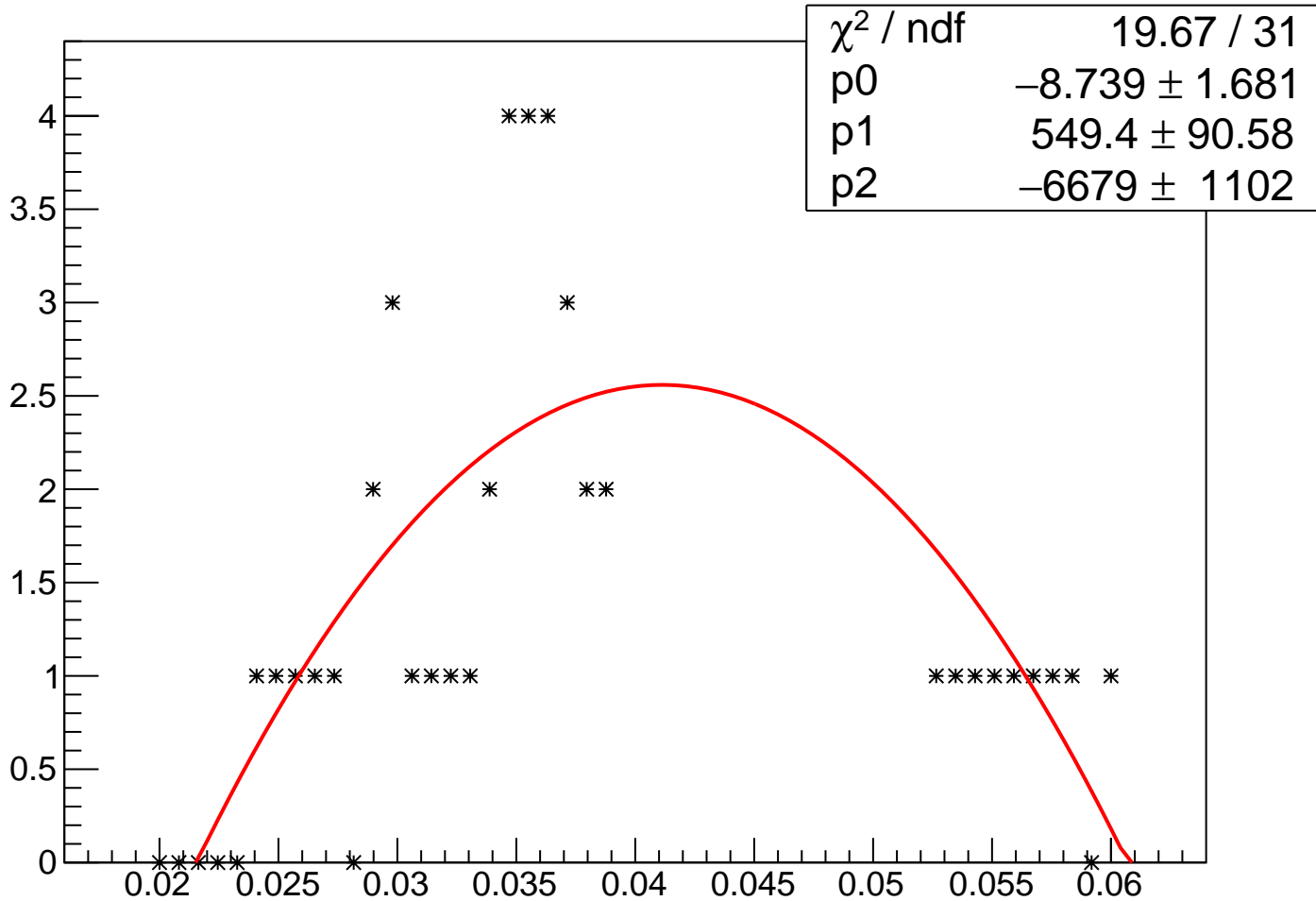
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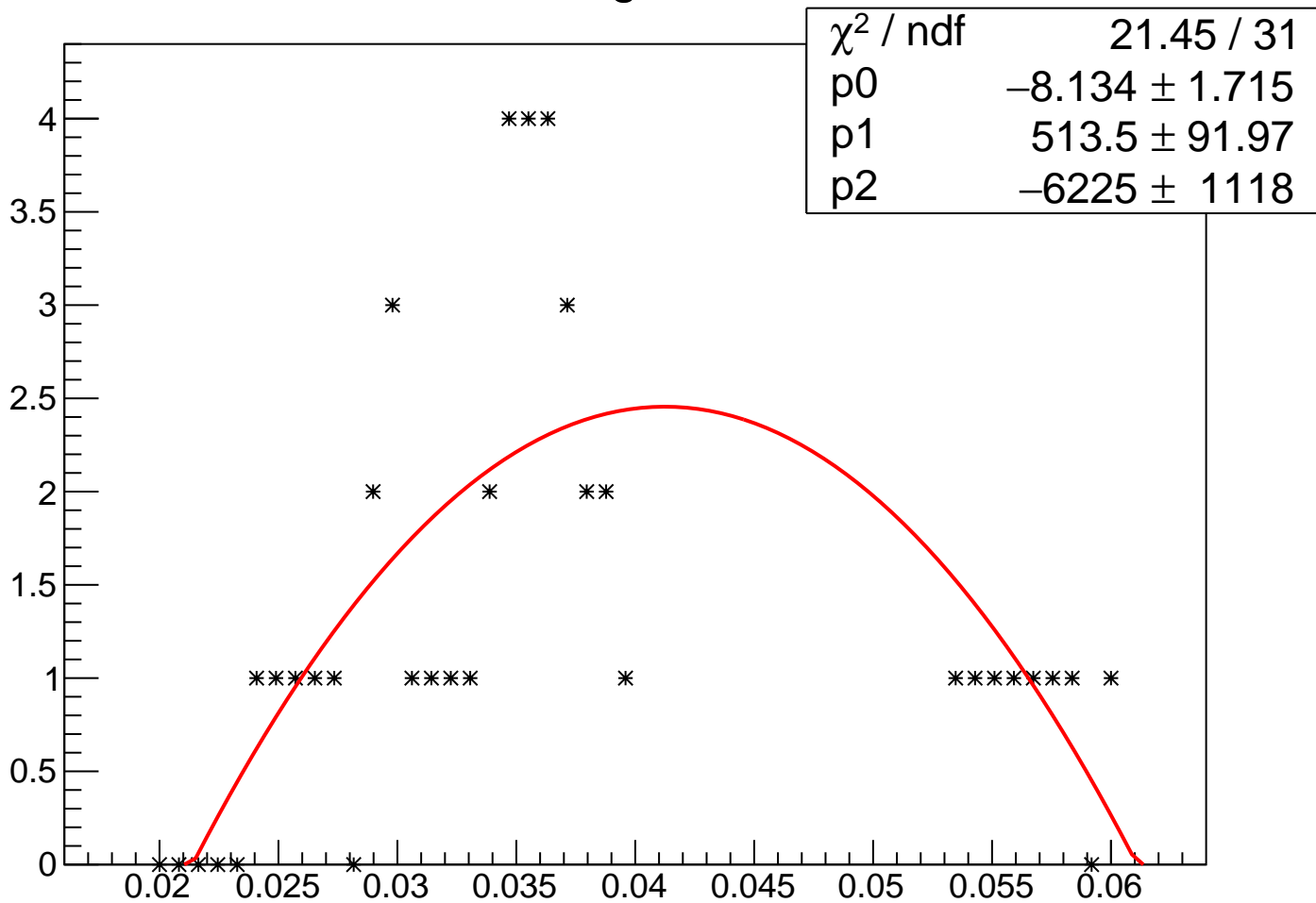
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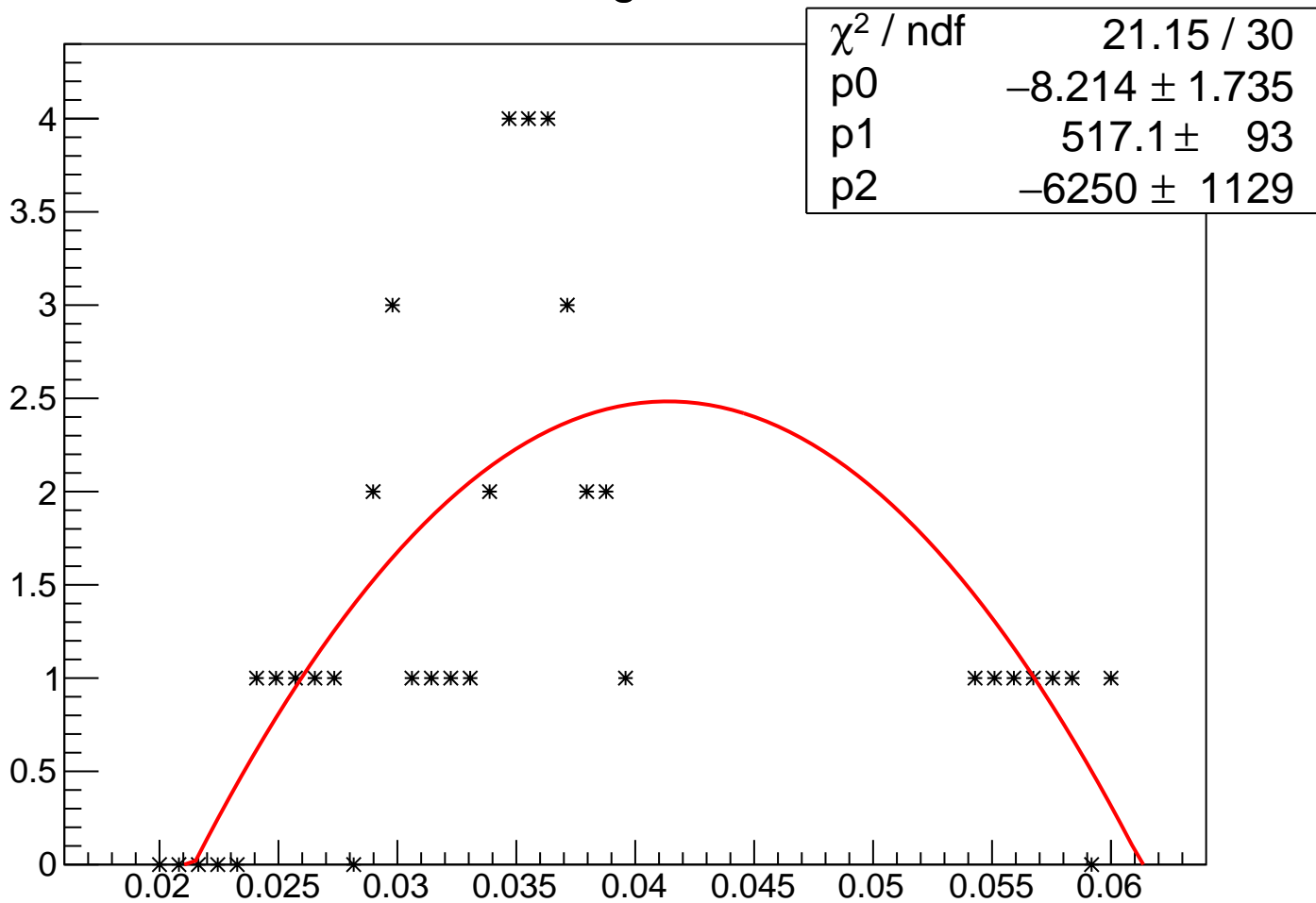
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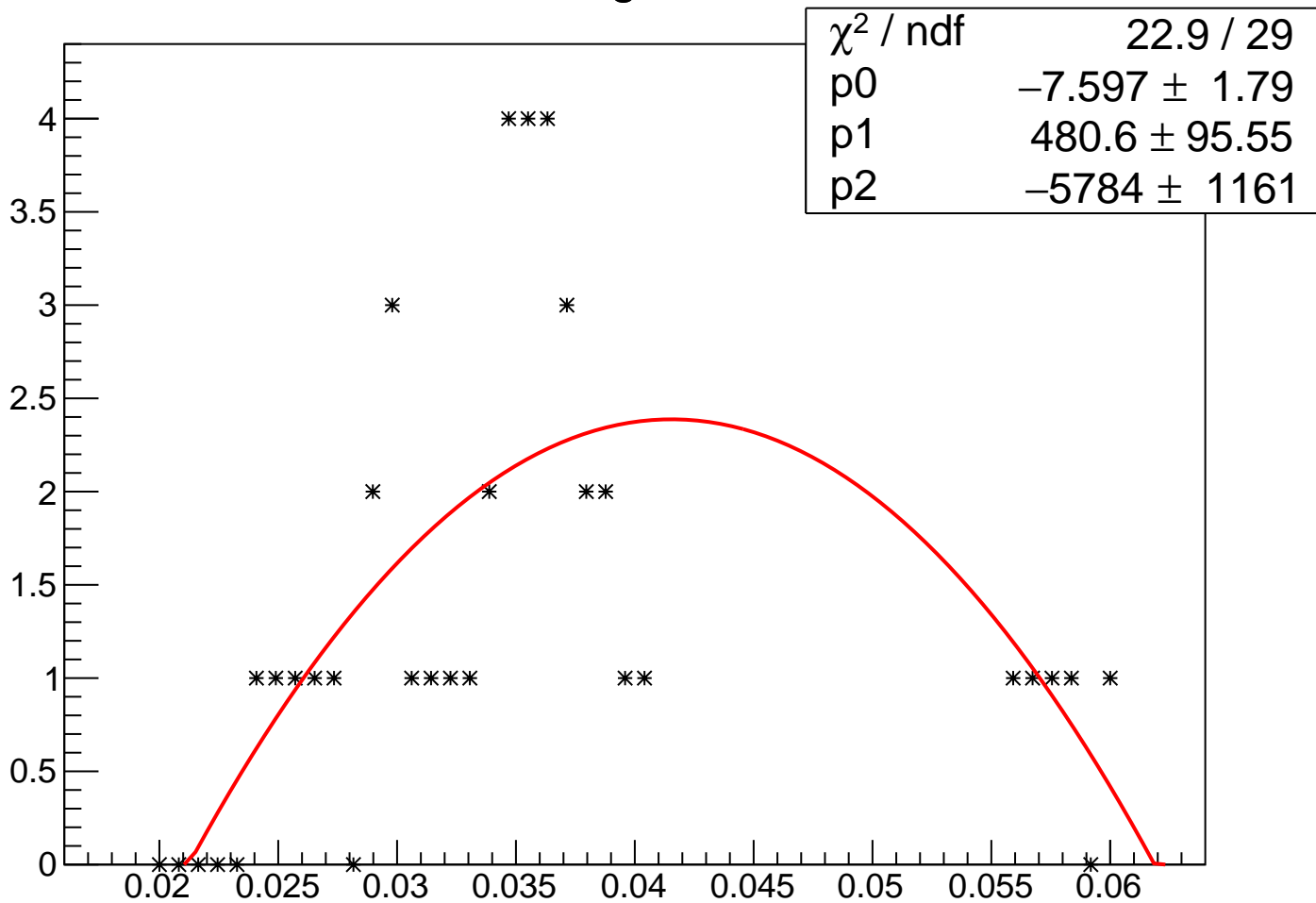
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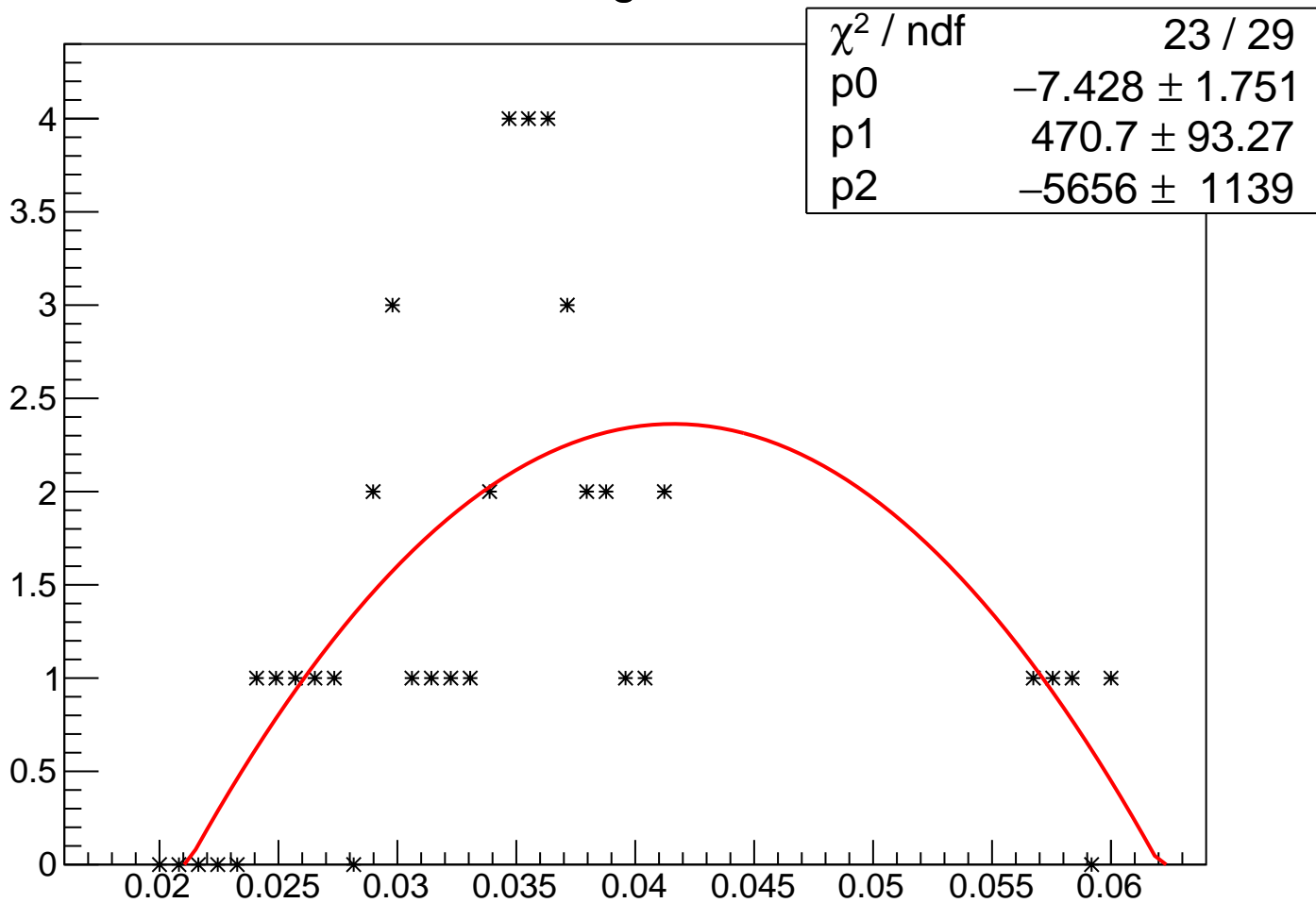
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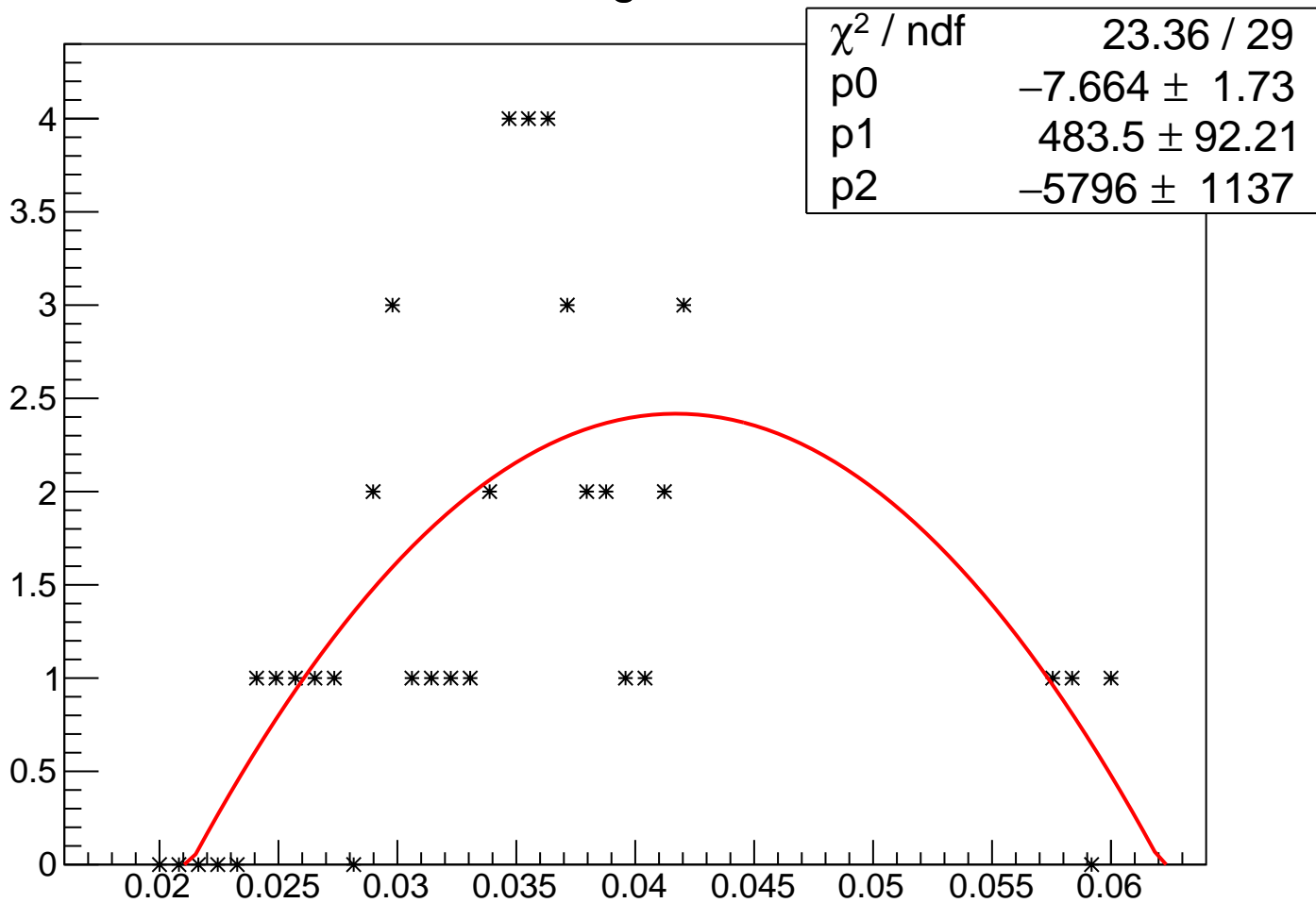
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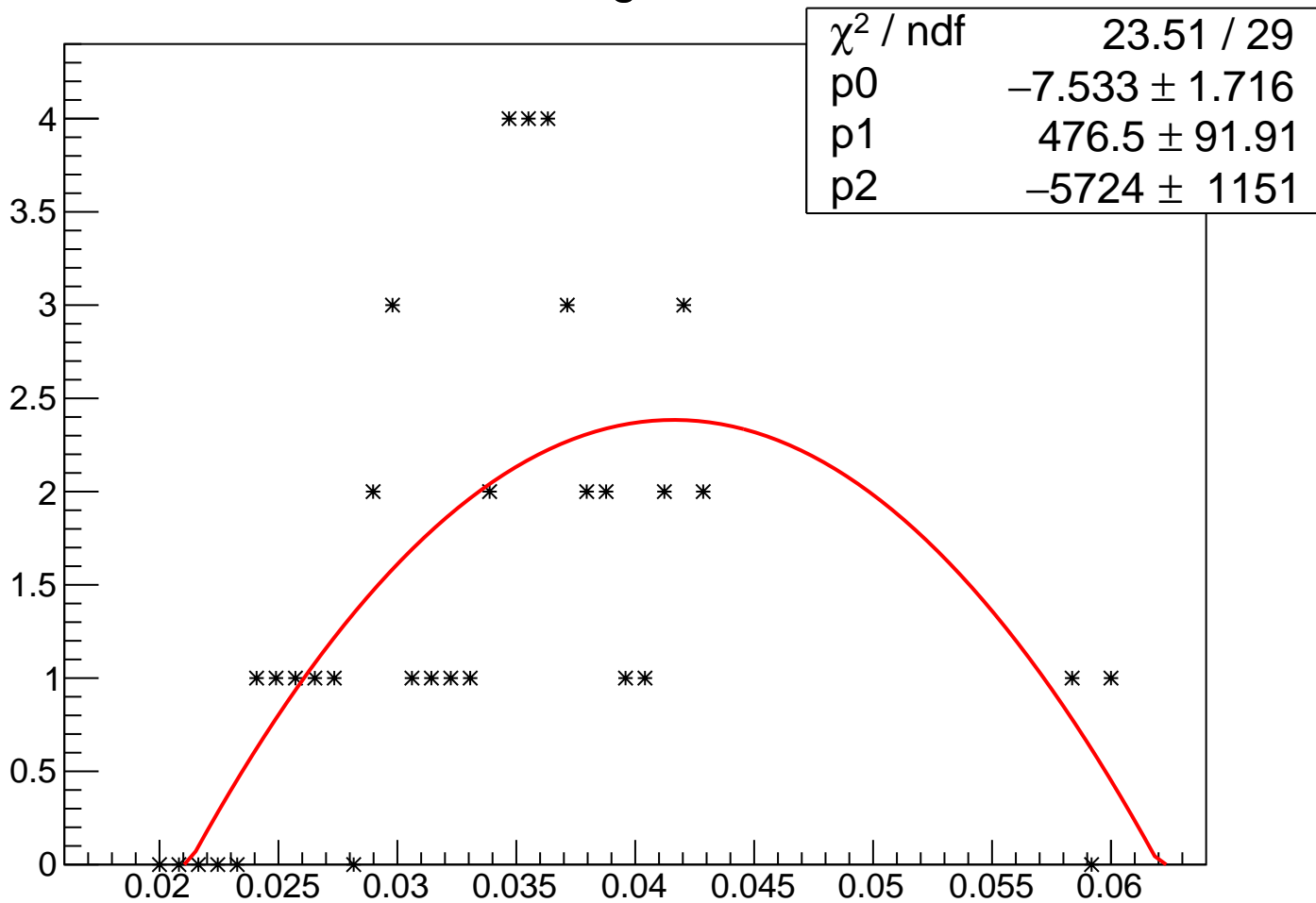
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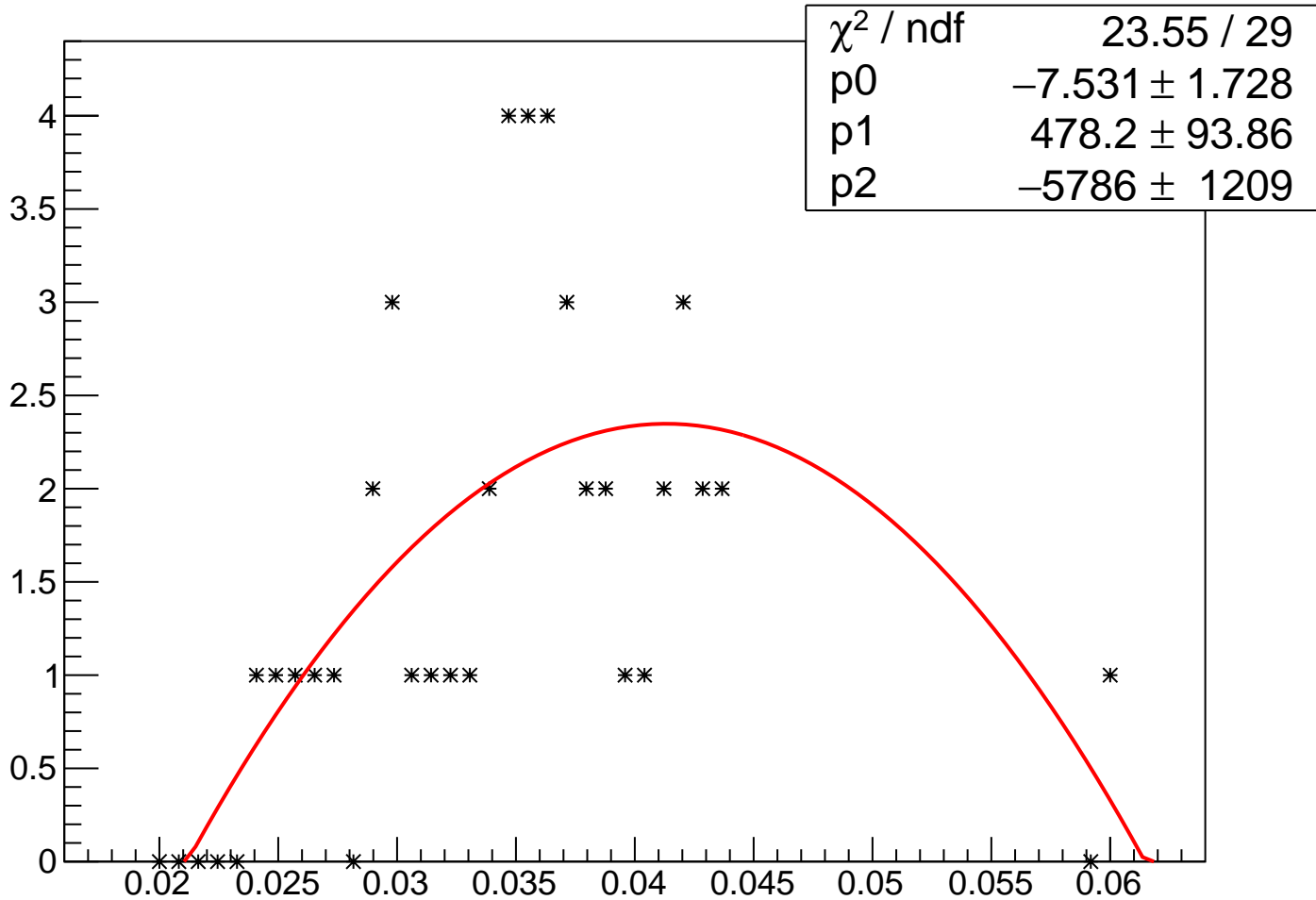
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