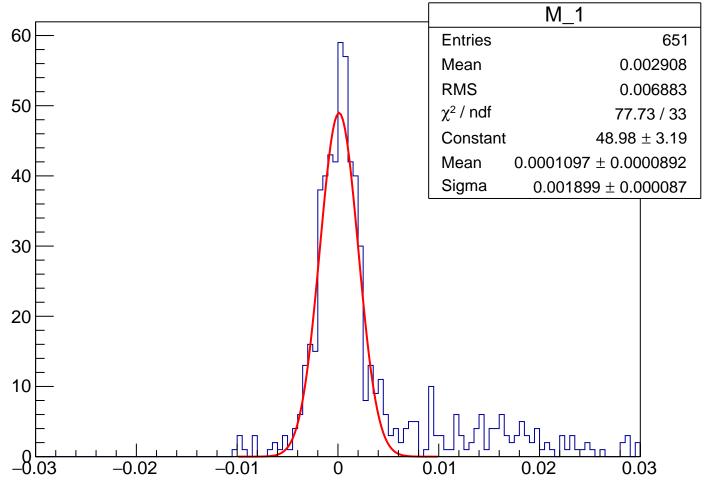
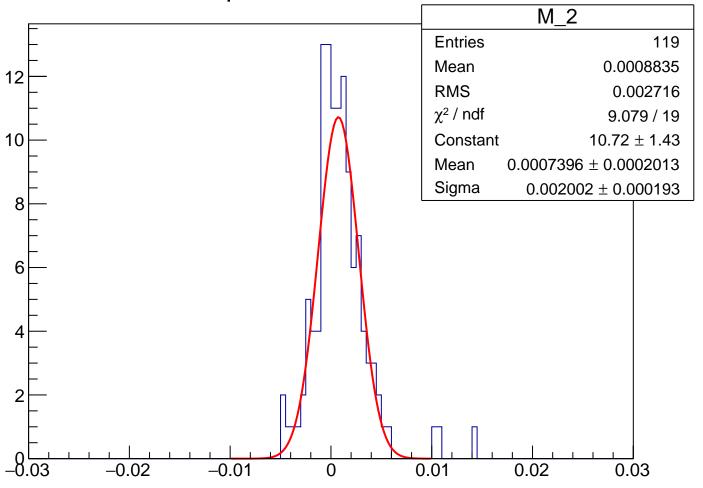
ap_28MeV_loose_M M_0 **Entries** 1644 140 Mean 0.002545 **RMS** 0.006589 120 χ^2 / ndf 123.1 / 36 Constant 109.1 ± 4.5 100 Mean 0.0001532 ± 0.0000659 Sigma 0.002343 ± 0.000070 80 60 40 20 _0.03 -0.020.03 -0.010.01 0.02

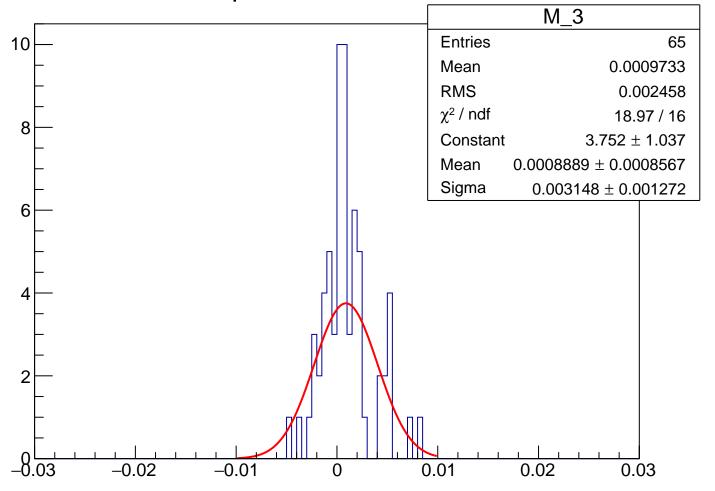
ap_28MeV_L1L1_M



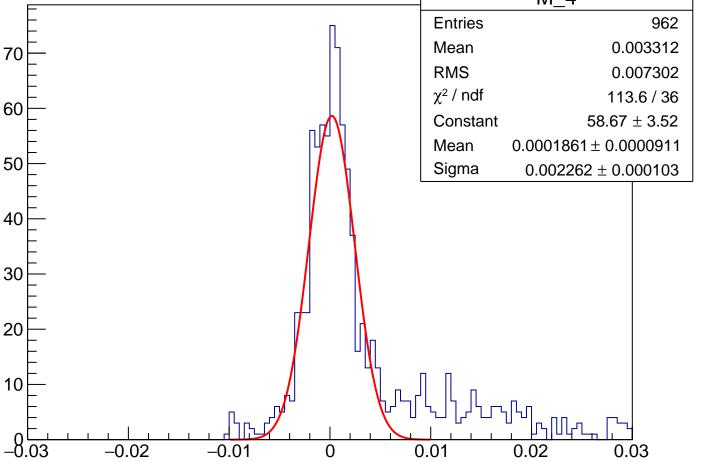
ap_28MeV_L1L2_M



ap_28MeV_L2L2_M



ap_28MeV_L1L1_loose_M M_4 **Entries** 962 Mean 0.003312 **RMS** 0.007302 χ^2 / ndf 113.6 / 36 Constant 58.67 ± 3.52 Mean 0.0001861 ± 0.0000911 Sigma 0.002262 ± 0.000103



ap_28MeV_L1L2_loose_M M_5 35 **Entries** 419 Mean 0.001937 **RMS** 0.006177 30 χ^2 / ndf 27.73 / 32 27.56 ± 2.13 Constant 25 Mean $-3.94e-05 \pm 1.42e-04$ Sigma 0.002474 ± 0.000141 20 15 10 5 _0.03 -0.02-0.010.03 0.01 0.02

ap_28MeV_L2L2_loose_M M_6 **Entries** 130 Mean 0.0005296 16 **RMS** 0.002383 χ^2 / ndf 27.07 / 20 14 Constant 11.44 ± 1.50 Mean 0.0001407 ± 0.0001805 12 Sigma 0.001801 ± 0.000162 10 8 6 4 2 _0.03 -0.02-0.01 0.01 0.02 0.03

ap_28MeV_L1L2_loose_extrap_M M_7 **Entries** 171 18 Mean 0.0006558 16 **RMS** 0.002869 χ^2 / ndf 13.72 / 23 14 Constant 14.16 ± 1.62 Mean 0.0006648 ± 0.0001813 12 Sigma 0.002188 ± 0.000188 10 8 6 4 2 _0.03 -0.02-0.010.01 0.02 0.03

ap_28MeV_L2L2_loose_extrap_M M_8 **Entries** 80 Mean 0.001142 10 **RMS** 0.002507 χ^2 / ndf 19.42 / 17 Constant 5.589 ± 1.203 8 Mean 0.0008791 ± 0.0003973 Sigma 0.002436 ± 0.000565 6 4 2 _0.03 -0.02-0.010.01 0.02 0.03