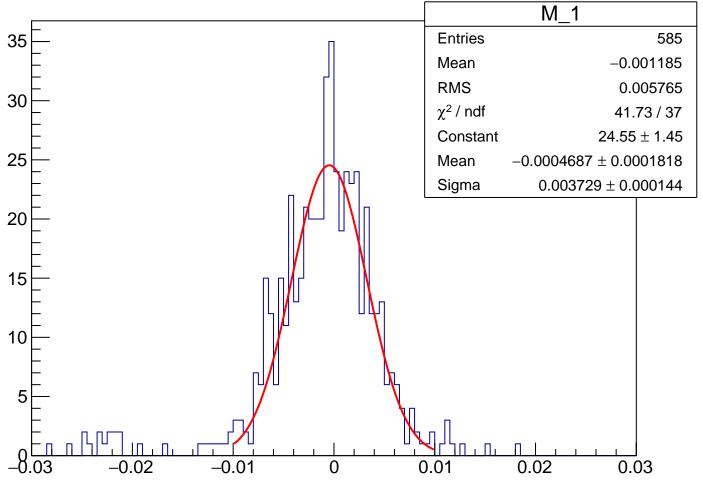
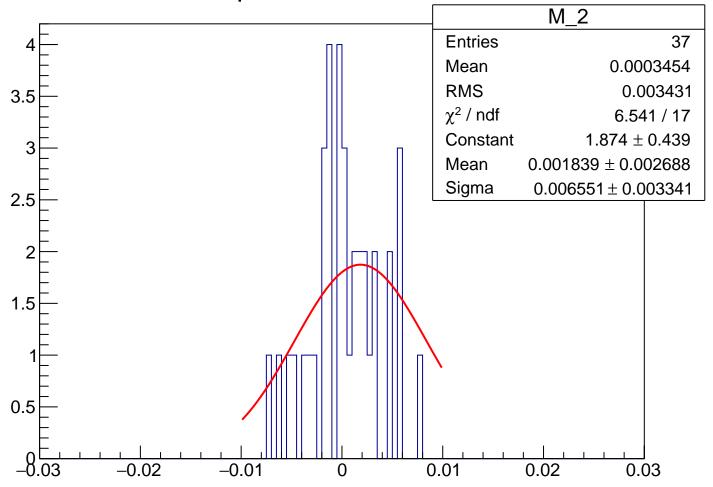


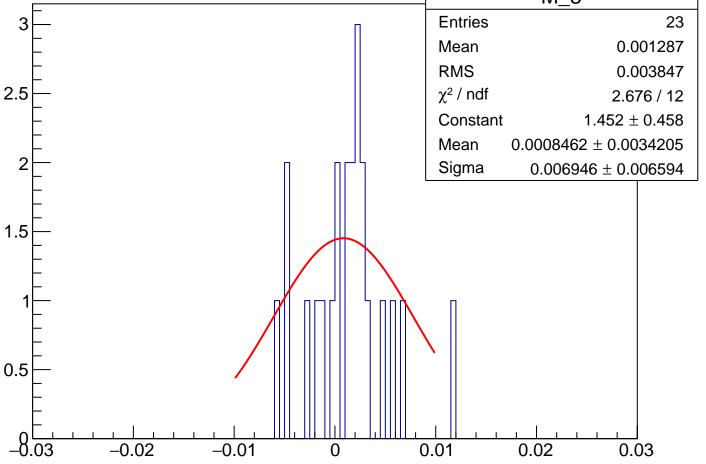
ap_80MeV_L1L1_M



ap_80MeV_L1L2_M



ap_80MeV_L2L2_M M_3 **Entries** 23 Mean 0.001287 **RMS** 0.003847 χ^2 / ndf 2.676 / 12 Constant 1.452 ± 0.458 Mean 0.0008462 ± 0.0034205 Sigma 0.006946 ± 0.006594



ap_80MeV_L1L1_loose_M M_4 **Entries** 1003 50 Mean -0.00144**RMS** 0.006066 χ^2 / ndf 40.58 / 37 40 Constant 44.38 ± 2.00 -0.0005678 ± 0.0001356 Mean Sigma 0.003564 ± 0.000104 30 20 10 -0.02-0.01 0.02 0.01 0.03

ap_80MeV_L1L2_loose_M M_5 20 **Entries** 238 Mean -0.000867418 **RMS** 0.004902 χ^2 / ndf 35.51 / 33 16 12.72 ± 1.51 Constant -0.0005634 ± 0.0002169 Mean 14 Sigma 0.002875 ± 0.000275 12 10 8 6 4 2 -0.03 -0.02-0.01 0.02 0.01 0.03

ap_80MeV_L2L2_loose_M M_6 **Entries** 140 16 Mean 0.001067 **RMS** 0.003253 14 χ^2 / ndf 25.89 / 26 Constant 7.606 ± 1.095 12 Mean 0.0007809 ± 0.0003150 Sigma 0.003072 ± 0.000393 10 8 6 4 2 _0.03 -0.02-0.01 0.01 0.02 0.03

ap_80MeV_L1L2_loose_extrap_M M_7 **Entries** 143 Mean -0.000672**RMS** 0.004571 χ^2 / ndf 27.31 / 31 Constant 6.192 ± 0.947 Mean -0.0003493 ± 0.0003691 Sigma 0.003554 ± 0.000484

0.01

0.02

0.03

12

10

8

6

4

2

_0.03

-0.02

-0.01

ap_80MeV_L2L2_loose_extrap_M M_8 **Entries** 100 Mean 0.001307 10 **RMS** 0.003051 χ^2 / ndf 25.77 / 23 Constant 4.67 ± 0.93 8 Mean 0.001051 ± 0.000469 Sigma 0.003412 ± 0.000750 6 4 2 _0.03 -0.02-0.01 0.01 0.02 0.03