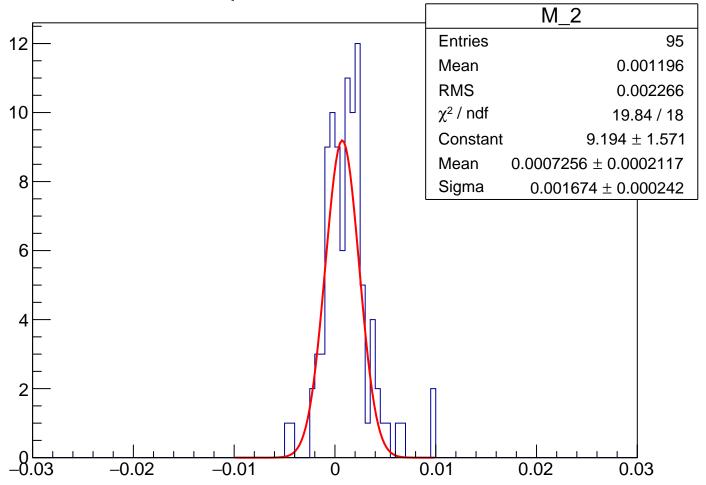
ap_24MeV_loose_M M_0 100 **Entries** 1671 Mean 0.005708 **RMS** 0.008334 χ^2 / ndf 80 168.9 / 33 Constant 85.31 ± 4.32 Mean 0.0007364 ± 0.0000841 Sigma 0.002304 ± 0.000091 60 40 20 _0.03 -0.02-0.010.01 0.02 0.03

ap_24MeV_L1L1_M M_1 50 **Entries** 650 Mean 0.005621 **RMS** 0.00863 χ^2 / ndf 81.79 / 32 40 Constant 40.85 ± 3.12 Mean 0.0002148 ± 0.0000939 Sigma 0.001734 ± 0.000095 30 20 10 _0.03 -0.02-0.01 0.01 0.02 0.03

ap_24MeV_L1L2_M



ap_24MeV_L2L2_M M_3 **Entries** 34 4 Mean 0.001751 **RMS** 0.002245 3.5 χ^2 / ndf 4.185 / 12 2.323 ± 0.541 Constant 3 Mean 0.001786 ± 0.001490 Sigma 0.004229 ± 0.002180 2.5 2 1.5 0.5 _0.03 -0.02-0.01 0.01 0.02 0.03

ap_24MeV_L1L1_loose_M M_4 **Entries** 1020 60 Mean 0.006801 **RMS** 0.008961 χ^2 / ndf 116.4 / 33 50 Constant 44.71 ± 3.44 Mean 0.000458 ± 0.000119 40 Sigma 0.002283 ± 0.000144 30 20 10 _0.03 -0.02-0.010.02 0.01 0.03

ap_24MeV_L1L2_loose_M M_5 **Entries** 472 Mean 0.00504 30 **RMS** 0.007515 χ^2 / ndf 78.21 / 31 25 Constant 28.39 ± 2.61 Mean 0.0008546 ± 0.0001292 Sigma 0.001952 ± 0.000136 20 15 10 5 _0.03 -0.02-0.01 0.01 0.02 0.03

ap_24MeV_L2L2_loose_M M_6 **Entries** 89 Mean 0.0008237 10 **RMS** 0.00238 χ^2 / ndf 13.45 / 17 Constant 6.715 ± 1.175 8 Mean 0.0008846 ± 0.0004310 Sigma 0.002443 ± 0.000461 6 4 2 -0.03 -0.02-0.010.01 0.02 0.03

ap_24MeV_L1L2_loose_extrap_M M_7 **Entries** 156 18 Mean 0.001521 16 **RMS** 0.002964 χ^2 / ndf 33.51 / 22 14 Constant 12.62 ± 2.16 Mean 0.0008929 ± 0.0002085 12 Sigma 0.001973 ± 0.000346 10 8 6 4 2 _0.03 -0.02-0.01 0.01 0.02 0.03

ap_24MeV_L2L2_loose_extrap_M M_8 **Entries** 41 Mean 0.001627 **RMS** 0.002476 χ^2 / ndf 7.441 / 14 2.491 ± 0.553 Constant Mean 0.001927 ± 0.001113 Sigma 0.003989 ± 0.001436

0.01

0.02

0.03

5

4

3

2

_0.03

-0.02

-0.01