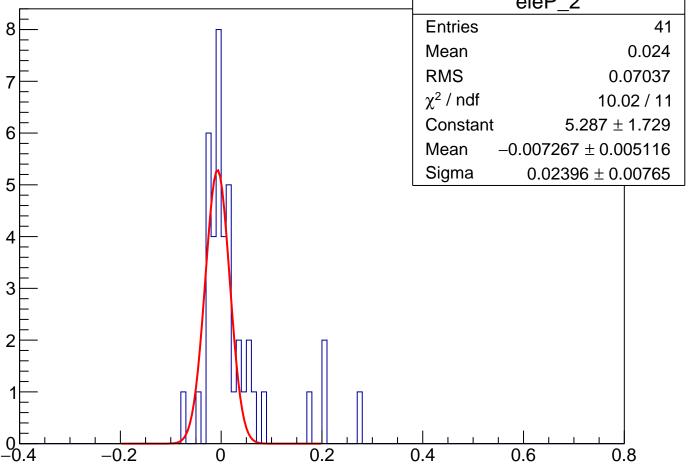
ap_22MeV_loose_eleP eleP_0 **Entries** 1236 80 Mean 0.2555 **RMS** 0.2198 70 χ^2 / ndf 128 / 29 Constant 64.66 ± 4.74 60 Mean -0.0002649 ± 0.0012246 Sigma 0.02339 ± 0.00123 50 40 30 20 10 -0.2 0.2 0.4 0.6 8.0

ap_22MeV_L1L1_eleP eleP_1 **Entries** 467 Mean 0.2748 25 **RMS** 0.2189 χ^2 / ndf 34.81 / 25 24.23 ± 2.84 Constant 20 Mean 0.001055 ± 0.001924 Sigma 0.0221 ± 0.0017 15 10 5 -0.20.2 0.6 8.0 0.4

ap_22MeV_L1L2_eleP eleP_2 **Entries** 41 Mean 0.024 **RMS** 0.07037 χ^2 / ndf 10.02 / 11 5.287 ± 1.729 Constant Mean -0.007267 ± 0.005116 Sigma 0.02396 ± 0.00765



ap_22MeV_L2L2_eleP eleP_3 **Entries** 5 20 -0.004258Mean 0.04469 **RMS** χ^2 / ndf 4.376 / 8 4 Constant 1.685 ± 0.641 -0.04061 ± 0.06412 Mean Sigma 0.1115 ± 0.0789 3 2 0.2 0.4 0.6 8.0

ap_22MeV_L1L1_loose_eleP eleP_4 40 **Entries** 791 Mean 0.2873 35 **RMS** 0.2145 χ^2 / ndf 84.45 / 27 30 31.34 ± 3.37 Constant Mean 0.001801 ± 0.001757 Sigma 0.02375 ± 0.00188 25 20 15 10 5 -0.4 -0.20.2 0.6 0.4 8.0

ap_22MeV_L1L2_loose_eleP eleP_5 24 **Entries** 341 22 Mean 0.2284 **RMS** 0.2118 20 χ^2 / ndf 45.21 / 24 18 Constant 21.8 ± 2.7 Mean 0.0006883 ± 0.0020166 16 Sigma 0.02083 ± 0.00165 14 12 10 8 6 4 2 -0.2

0.2

0.4

0.6

8.0

ap_22MeV_L2L2_loose_eleP eleP_6 **Entries** 45 10 Mean 0.005901 **RMS** 0.08394 χ^2 / ndf 8.489 / 10 8 5.627 ± 1.434 Constant Mean -0.005988 ± 0.005500 Sigma 0.02589 ± 0.00617 6 4 2 -0.4 0.2 0.6 0.4 8.0

ap_22MeV_L1L2_loose_extrap_eleP eleP_7 **Entries** 84 Mean 0.1011 **RMS** 0.1676 χ^2 / ndf 22.28 / 17 8.938 ± 2.021 Constant Mean -0.004769 ± 0.003628 Sigma 0.0213 ± 0.0041

0.4

0.6

8.0

14

12

10

8

6

4

2

-0.4

-0.2

ap_22MeV_L2L2_loose_extrap_eleP eleP_8 **Entries** 25 Mean -0.01126**RMS** 0.05028 χ^2 / ndf 6.382 / 10 2.111 ± 0.929 Constant Mean 0.002082 ± 0.019868 Sigma 0.04705 ± 0.04392

0.4

0.6

8.0

0.2

6

5

4

3

2