ap_90MeV_loose_eleP eleP_0 **Entries** 1110 140 Mean 0.03073 **RMS** 0.1272 χ^2 / ndf 88.97 / 32 120 113.6 ± 5.7 Constant -0.005387 ± 0.001067 Mean 100 Sigma 0.03221 ± 0.00121 80 60 40 20 0.6 8.0

ap_90MeV_L1L1_eleP eleP_1 45 **Entries** 366 Mean 0.03732 40 **RMS** 0.1452 χ^2 / ndf 31.5 / 25 35 34.92 ± 3.01 Constant Mean -0.008989 ± 0.002125 30 Sigma 0.03313 ± 0.00216 25 20 15 10 5 0.6 8.0

ap_90MeV_L1L2_eleP eleP_2 3 **Entries** 12 -0.01184Mean 0.03464 **RMS** 2.5 χ^2 / ndf 1.734 / 5 Constant 2.296 ± 1.177 -0.01868 ± 0.00863 Mean 2 Sigma 0.02405 ± 0.01262 1.5 0.5 -0.20.2 0.6 0.4 8.0

ap_90MeV_L2L2_eleP eleP_3 3 **Entries** 11 0.0269 Mean 0.03157 **RMS** 2.5 χ^2 / ndf 0.8698 / 5 Constant 2.105 ± 1.374 0.0338 ± 0.0116 Mean 2 Sigma 0.03362 ± 0.02110 1.5 0.5 -0.20.2 0.6 0.4 8.0

ap_90MeV_L1L1_loose_eleP eleP_4 **Entries** 705 80 Mean 0.04354 **RMS** 0.1487 70 χ^2 / ndf 65.58 / 28 66.73 ± 4.63 Constant 60 Mean -0.006941 ± 0.001510 Sigma 0.03298 ± 0.00186 50 40 30 20 10 -0.2 0.6 8.0

ap_90MeV_L1L2_loose_eleP eleP_5 22 **Entries** 146 20 Mean 0.02288 **RMS** 0.1031 18 χ^2 / ndf 23.93 / 18 14.06 ± 1.99 Constant 16 Mean -0.002563 ± 0.003308 14 Sigma 0.03253 ± 0.00392 12 10 8 6 4 2 -0.20.2 0.6 0.4 8.0

ap_90MeV_L2L2_loose_eleP eleP_6 25 **Entries** 135 Mean -0.002635**RMS** 0.03853 χ^2 / ndf 23.22 / 18 20 18.87 ± 2.66 Constant Mean -0.003025 ± 0.002433 Sigma 0.02368 ± 0.00250 15 10 5 0.2 0.6 0.4 8.0

ap_90MeV_L1L2_loose_extrap_eleP eleP_7 **Entries** 85 Mean 0.0005183 12 **RMS** 0.0554 χ^2 / ndf 20.35 / 14 10 8.475 ± 2.102 Constant Mean -0.005678 ± 0.004571 Sigma 0.03042 ± 0.00757 8 6 4 2 -0.4 -0.20.2 0.4 0.6 8.0

ap_90MeV_L2L2_loose_extrap_eleP eleP 8 **Entries** 106 18 Mean -0.00207216 **RMS** 0.03437 χ^2 / ndf 15.32 / 16 14 Constant 14.59 ± 2.19 Mean -0.002049 ± 0.002725 12 Sigma 0.02485 ± 0.00270 10 8 6 4 2 -0.20.2 0.4 0.6 8.0