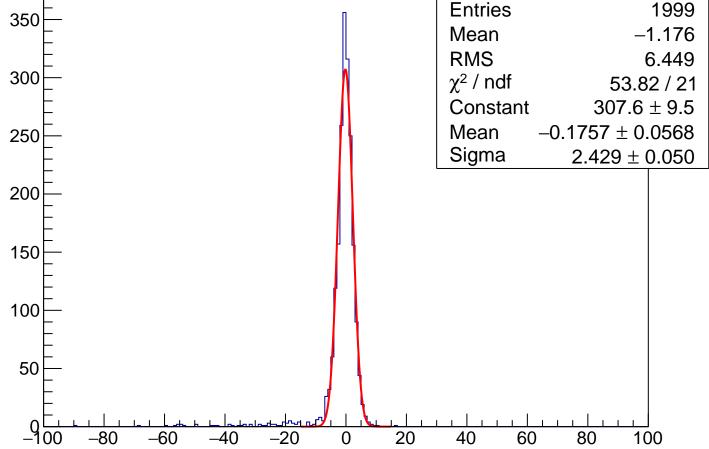
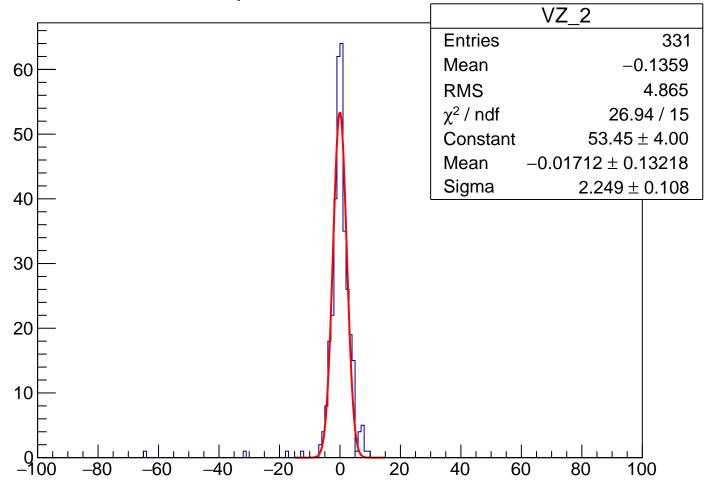
ap\_50MeV\_looseVZ  $VZ_0$ **Entries** 4732 700 Mean -1.779**RMS** 9.049 600  $\chi^2$  / ndf 176.4 / 25 Constant  $625.3 \pm 13.1$ Mean  $-0.1375 \pm 0.0422$ 500 Sigma  $2.75 \pm 0.04$ 400 300 200 100 -100 -100 -20 -80 -6020 40 60 80 100

ap\_50MeV\_L1L1VZ  $VZ_1$ **Entries** Mean **RMS**  $\chi^2$  / ndf Constant Mean Sigma



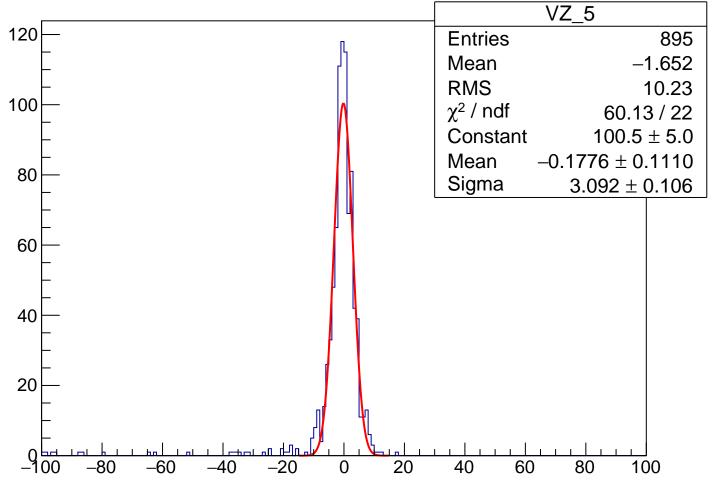
ap\_50MeV\_L1L2VZ



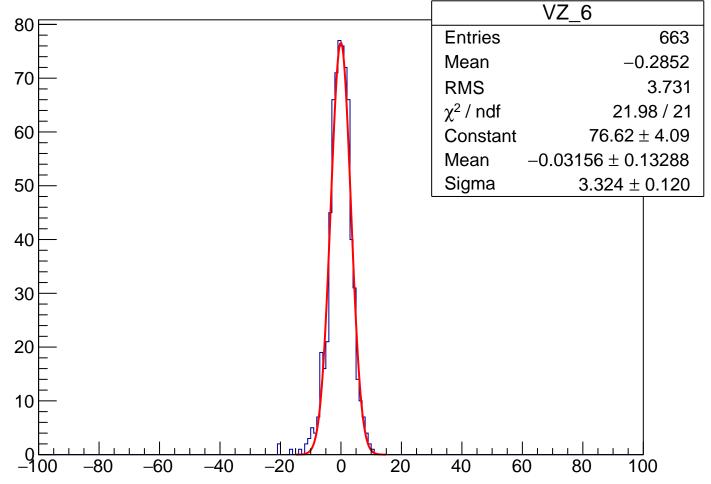
ap\_50MeV\_L2L2VZ VZ\_3 45 **Entries** 326 Mean -0.108540 **RMS** 3.023  $\chi^2$  / ndf 18.99 / 16 35 Constant  $44.14 \pm 3.34$  $-0.1377 \pm 0.1604$ Mean 30 Sigma  $2.78 \pm 0.14$ 25 20 15 10 5 -100 -20 -80 -6020 40 60 80 100 -40

ap\_50MeV\_L1L1\_looseVZ VZ\_4 **Entries** 2586 400 Mean -2.525**RMS** 10.17 350  $\chi^2$  / ndf 89.29 / 23 Constant  $371.6 \pm 10.3$ 300 Mean  $-0.1791 \pm 0.0530$ Sigma  $2.488 \pm 0.046$ 250 200 150 100 50 -100 -100 -80 -2020 40 60 80 100 -60

ap\_50MeV\_L1L2\_looseVZ



ap\_50MeV\_L2L2\_looseVZ



ap\_50MeV\_L1L2\_loose\_extrapVZ VZ 7 **Entries** 515 80 Mean 0.01177 **RMS** 4.957 70  $\chi^2$  / ndf 41.53 / 17 Constant  $67.68 \pm 4.33$ 60 Mean  $0.2397 \pm 0.1297$ Sigma  $2.753 \pm 0.125$ 50 40 30 20 10 -100 -80 -2020 40 60 80 100 -60

