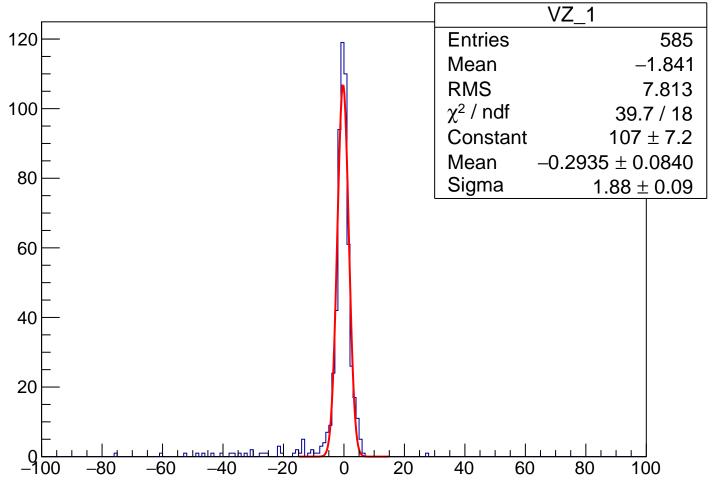
ap\_80MeV\_looseVZ  $VZ_0$ 1573 **Entries** 300 -1.935Mean 8.963 **RMS**  $\chi^2$  / ndf 109.7 / 22 250  $257.9 \pm 10.5$ Constant  $-0.166 \pm 0.057$ Mean Sigma  $2.109 \pm 0.064$ 200 150 100 50 -100 -20 -80 20 40 60 80 100 -60

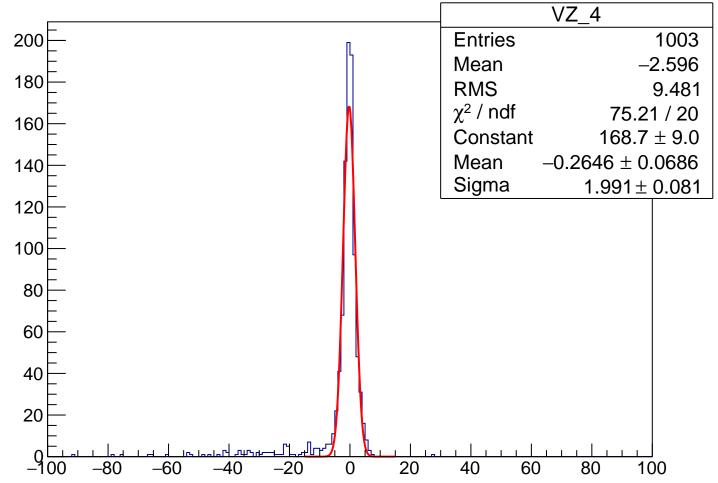
ap\_80MeV\_L1L1VZ



ap\_80MeV\_L1L2VZ  $VZ_2$ **Entries** 37 12 Mean 0.2073 **RMS** 2.286  $\chi^2$  / ndf 10 10.6 / 8 Constant  $6.598 \pm 2.900$  $-0.2055 \pm 0.3230$ Mean 8 Sigma  $1.609 \pm 0.667$ 6 4 2 -100 -20 20 -80 -60 40 60 80 100 -40

ap\_80MeV\_L2L2VZ VZ\_3 **Entries** 23 6 0.09791 Mean **RMS** 1.764  $\chi^2$  / ndf 5 0.3409/3Constant  $5.439 \pm 1.510$ Mean  $0.7568 \pm 0.8247$ 4 Sigma  $2.587 \pm 0.728$ 3 2 -100 -20 -80 -60 20 40 60 80 100 -40

ap\_80MeV\_L1L1\_looseVZ



ap\_80MeV\_L1L2\_looseVZ VZ\_5 **Entries** 238 45 Mean -1.509**RMS** 10.79 40  $\chi^2$  / ndf 19.61 / 15 Constant  $34.43 \pm 3.47$ 35  $0.0848 \pm 0.1696$ Mean Sigma  $2.406 \pm 0.179$ 30 25 20 15 10 5 -100 -100 -20 -80 20 40 60 80 100 -60-40

ap\_80MeV\_L2L2\_looseVZ VZ\_6 140 **Entries** 25 -0.1639Mean **RMS** 2.56  $\chi^2$  / ndf 9.775 / 12 20 Constant  $25.57 \pm 2.86$  $-0.246 \pm 0.180$ Mean Sigma  $2.034 \pm 0.143$ 15 10 5 -100 -20 -80 -60 20 40 60 80 100 -40

ap\_80MeV\_L1L2\_loose\_extrapVZ  $\overline{VZ}_7$ 143 35 **Entries** Mean -0.3789**RMS** 6.17 30  $\chi^2$  / ndf 14.4 / 12 Constant  $24.66 \pm 3.31$ 25 Mean  $0.2533 \pm 0.1874$ Sigma  $2.037 \pm 0.210$ 20 15 10 5 -100 -80 -2020 40 60 80 100 -60**-40** 

