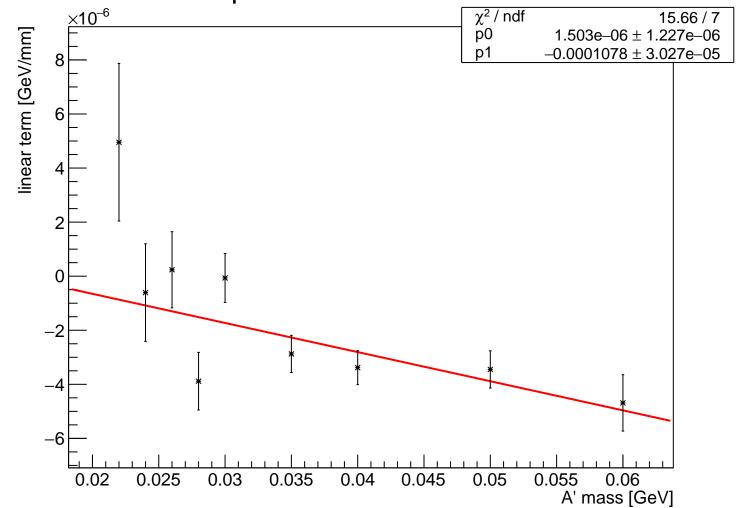


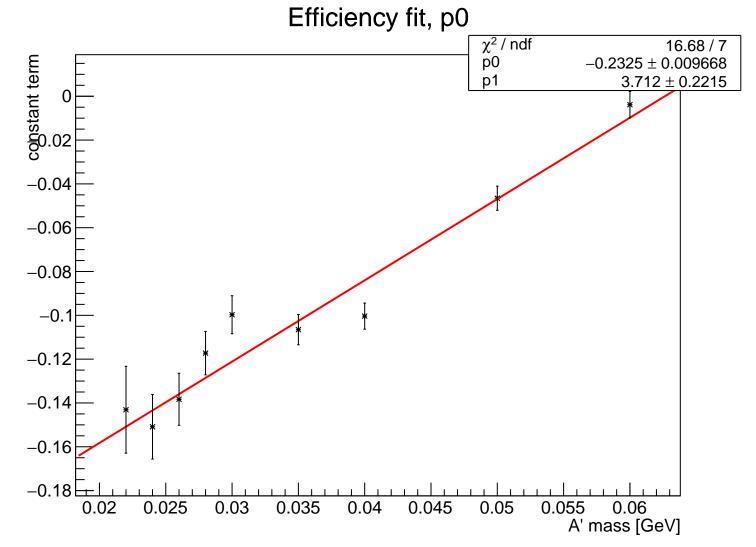
Mass resolution at z=0  $\chi^2 / ndf$ 38.25 / 7 600stant terra (Ge2) 6003 6003 6003 6003 6003 p0  $0.0007202 \pm 1.677e-05$ p1  $0.03815 \pm 0.0004305$ 0.0024 0.0022 0.002 0.0018 0.0016 0.0014 0.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06

A' mass [GeV]

Mass resolution at z=0  $\chi^2$  / ndf 38.25 / 7 600stage term [Geg0 6003 6003 6003 6003 p0  $0.0007202 \pm 1.677e-05$ p1  $0.03815 \pm 0.0004305$ 0.0024 0.0022 0.002 0.0018 0.0016 0.0014 0.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06 A' mass [GeV]

Slope of mass resolution vs. Z





Efficiency fit, p1  $\chi^2$  / ndf 7.546 / 7 lineapterm [mm^-1] p0  $-0.03518 \pm 0.002233$ p1  $0.5855 \pm 0.05019$ -0.01<sup>1</sup> -0.015-0.02-0.025-0.030.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06 A' mass [GeV]

Efficiency fit, p2  $\chi^2$  / ndf 3.503 / 5 p0 quadratic term [m80-2]  $-0.003206 \pm 0.002745$ **p1**  $0.289 \pm 0.1993$ p2  $-5.916 \pm 4.665$ рЗ  $33.8 \pm 35.29$ 0.0005 0 -0.00050.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06

A' mass [GeV]

Efficiency fit, p3 0 <u>×10</u><sup>-3</sup>  $\chi^2$  / ndf 8.409 / 5 | cubic term [mm^-3] | co | co p0  $-0.0003147 \pm 5.09e-05$ **p1**  $0.01656 \pm 0.003583$ p2  $-0{}_{\rm I}3259\pm0.08171$ рЗ  $2.242 \pm 0.6047$ -0.06-0.08-0.10.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06 A' mass [GeV]