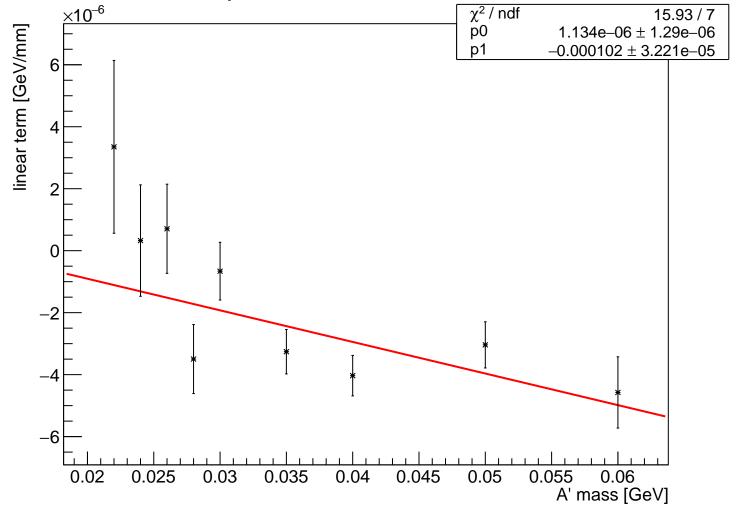


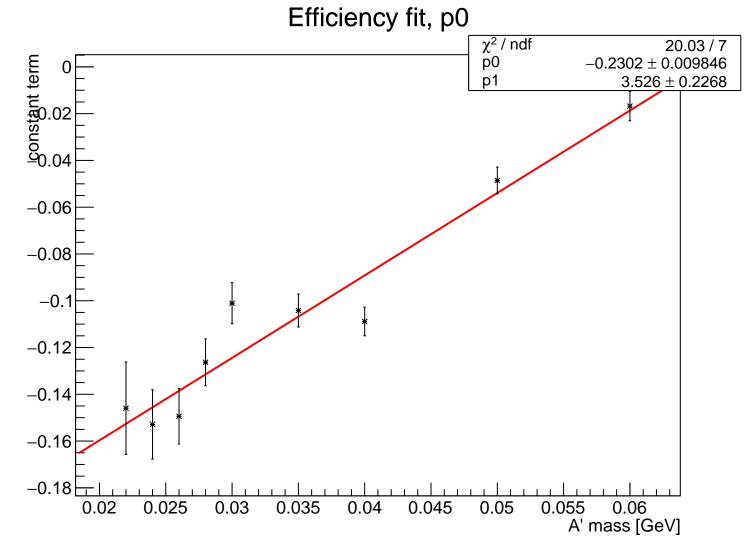
Mass resolution at z=0  $\chi^2$  / ndf 35.96 / 7 Constant terring GeVB p0  $0.0007153 \pm 1.697e-05$ p1  $0.03768 \pm 0.0004397$ 0.0024 0.0022 0.002 0.0018 0.0016 0.0014 0.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06

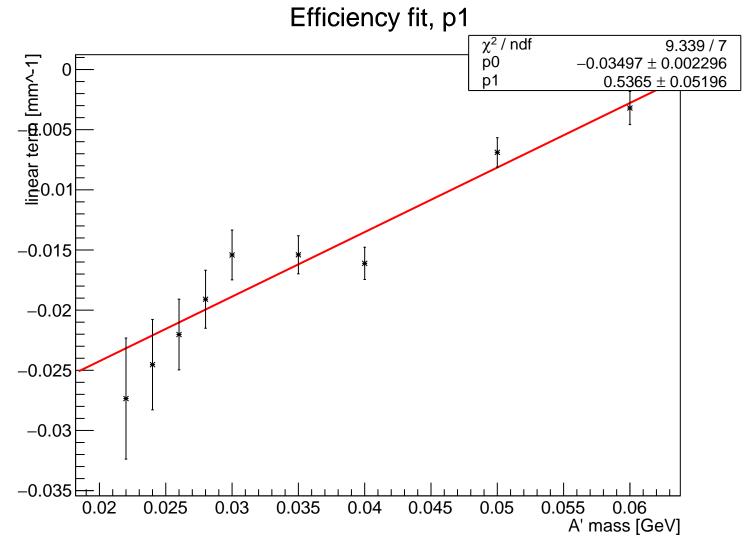
A' mass [GeV]

Mass resolution at z=0  $\chi^2 / ndf$ 35.96 / 7 p0  $0.0007153 \pm 1.697e-05$ p1  $0.03768 \pm 0.0004397$ 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, p2  $\chi^2$  / ndf 6.27 / 5 p0 quadratis term [mr8/-2] 00 10  $-0.003414 \pm 0.002849$ **p1**  $0.3049 \pm 0.2076$ p2  $-6.504 \pm 4.876$ рЗ  $39.44 \pm 36.98$ 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 ×10<sup>-3</sup>  $\chi^2$  / ndf 10.96 / 5 - cubic term [mm^-3] p0  $-0.0003077 \pm 5.34e-05$ **p1**  $0.01608 \pm 0.00377$ p2  $-0.312 \pm 0.08621$ рЗ  $2.121 \pm 0.6394$ -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]