

Mass resolution at z=0  $\chi^2$  / ndf 48.15 / 7 p0  $0.0006974 \pm 1.624e-05$ p1  $0.03777 \pm 0.0004258$ 0.0024 0.0022 0.002 0.0018 0.0016 0.0014 0.025 0.06

0.04

0.045

0.05

0.055

A' mass [GeV]

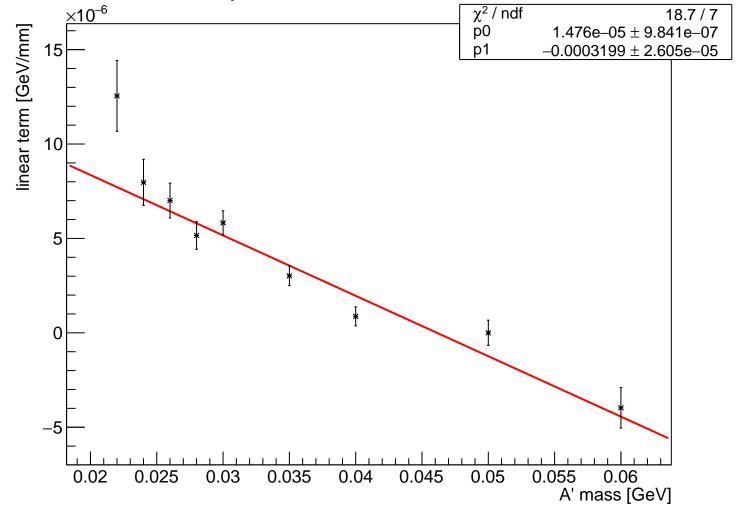
0.02

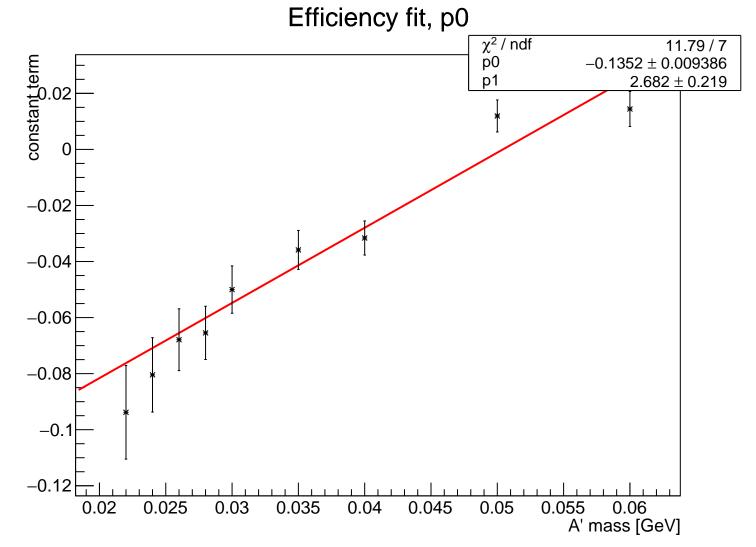
0.03

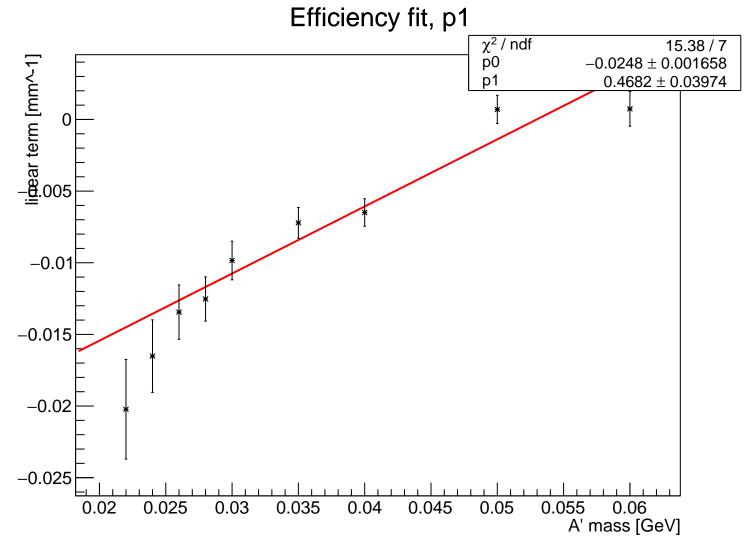
0.035

Mass resolution at z=0  $\chi^2$  / ndf 48.15 / 7 p0  $0.0006974 \pm 1.624e-05$ p1  $0.03777 \pm 0.0004258$ 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 <u>×10<sup>-3</sup></u>  $\chi^2$  / ndf 3.64 / 5 quadratic term [mm^-2] p0  $-0.003471 \pm 0.001153$ **p1**  $0.2725 \pm 0.08759$ p2  $-6.67 \pm 2.142$ рЗ  $49.58 \pm 16.85$ -0.2-0.3-0.4-0.50.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06

A' mass [GeV]

Efficiency fit, p3 ×10<sup>-6</sup>  $\chi^2$  / ndf 3.878 / 5 p0 cubic term [mm^-3]  $-6.687e-06 \pm 1.244e-05$ **p1**  $-0.0001589 \pm 0.000939$ p2  $0.01282 \pm 0.02288$ рЗ  $-0.1276 \pm 0.1798$ 2 0 -2 -4-6 0.02 0.025 0.03 0.035 0.04 0.045 0.05 0.055 0.06 A' mass [GeV]