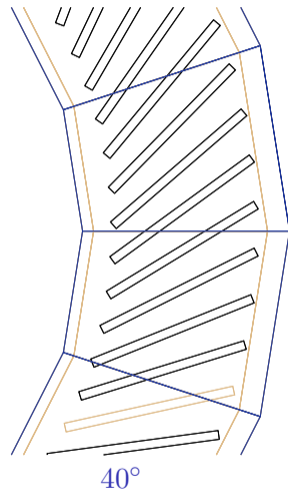
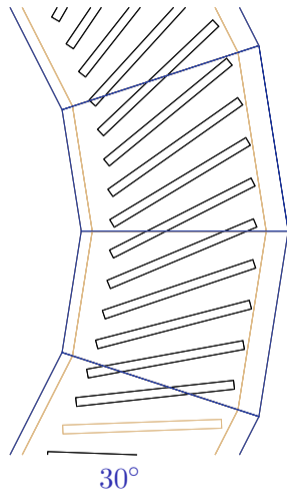
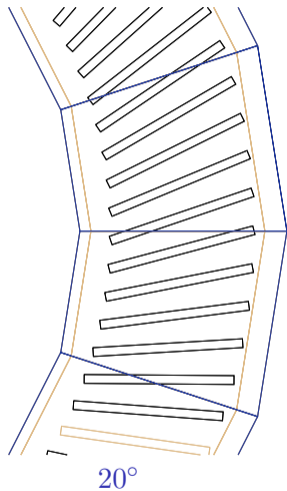


Different inclination angles

work in progress...
results for simulation that finished
(more to come)

Different inclination angles



pictures: zoom $\times 20$

20°

- ▶ 0.424 #X₀/cm
- ▶ 2 mm absorber
- ▶ 1 mm readout
- ▶ **1843 planes, 68 cm long**
- ▶ **3.15 – 5.5 mm lAr gap (74% ↑)**

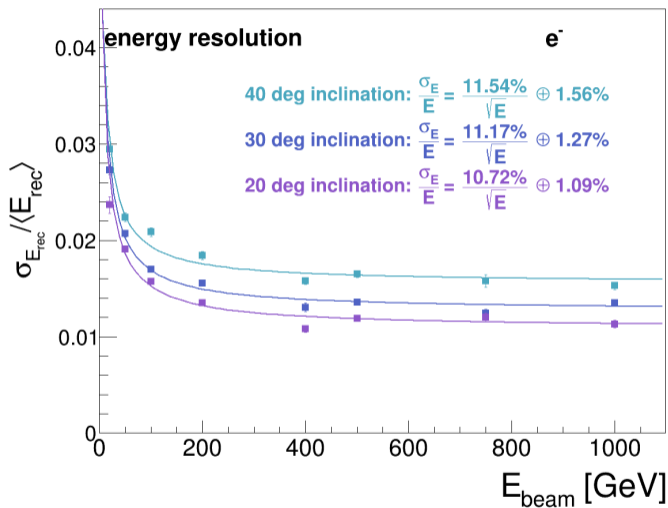
30°
(current baseline)

- ▶ 0.422 #X₀/cm
- ▶ 2 mm absorber
- ▶ 1 mm readout
- ▶ **1741 planes, 72 cm long**
- ▶ **3 – 5.6 mm lAr gap (86% ↑)**

40°

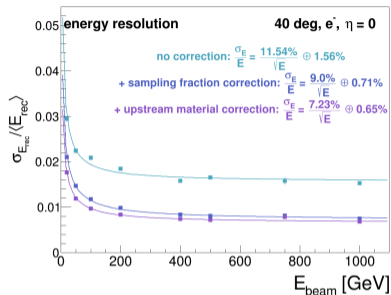
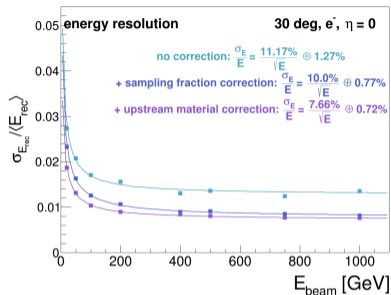
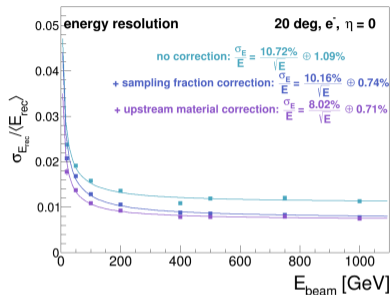
- ▶ 0.425 #X₀/cm
- ▶ 2 mm absorber
- ▶ 1 mm readout
- ▶ **1607 planes, 78 cm long**
- ▶ **2.75 – 5.8 mm lAr gap (112% ↑)**

Energy resolution: **no** corrections



no corrections for sampling fraction changing with radius
→ best geometry with smallest lAr gap increase (20deg)

Impact of the corrections



larger inclination angle

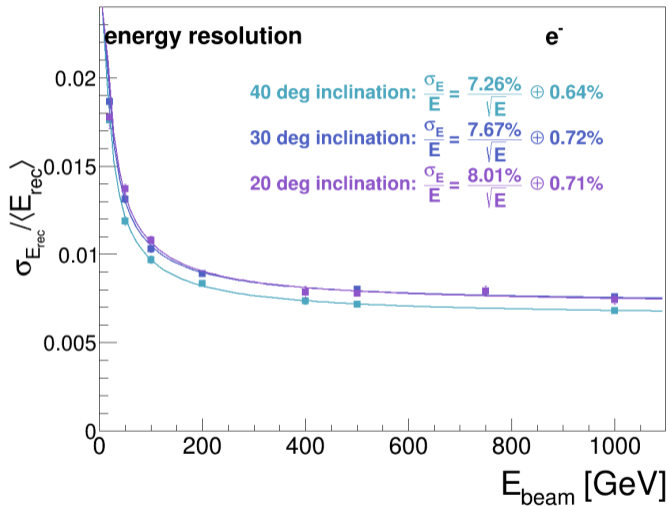


larger opening of lAr gap

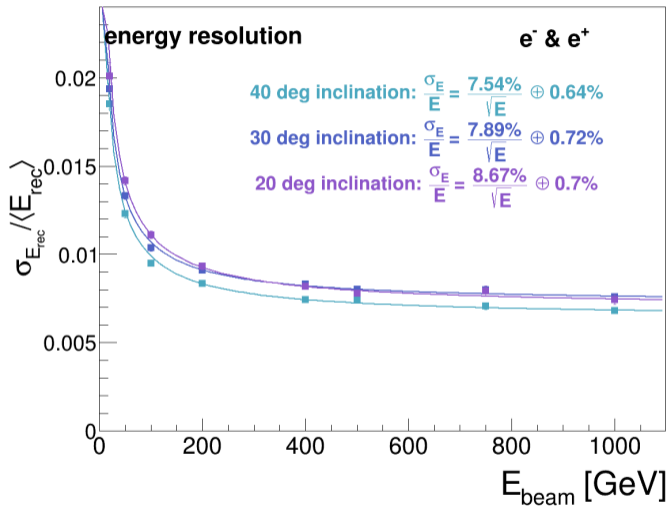


larger the impact of the sampling fraction correction

Energy resolution: after corrections



Energy resolution: after corrections - combined with positrons



small sample (1k) of positrons simulated up to 500 GeV