

Calorimeter:
[see below]

$$\frac{\sigma_E}{E} \sim \frac{1}{\sqrt{E}}$$

e.g. ATLAS:

$$\frac{\sigma_E}{E} \approx \frac{0.1}{\sqrt{E}}$$

i.e. $\sigma_E/E = 1\%$ @ 100 GeV

Gas detector:
[see above]

$$\frac{\sigma_p}{p} \sim p$$

e.g. ATLAS:

$$\frac{\sigma_p}{p} \approx 5 \cdot 10^{-4} \cdot p_t$$

i.e. $\sigma_p/p = 5\%$ @ 100 GeV