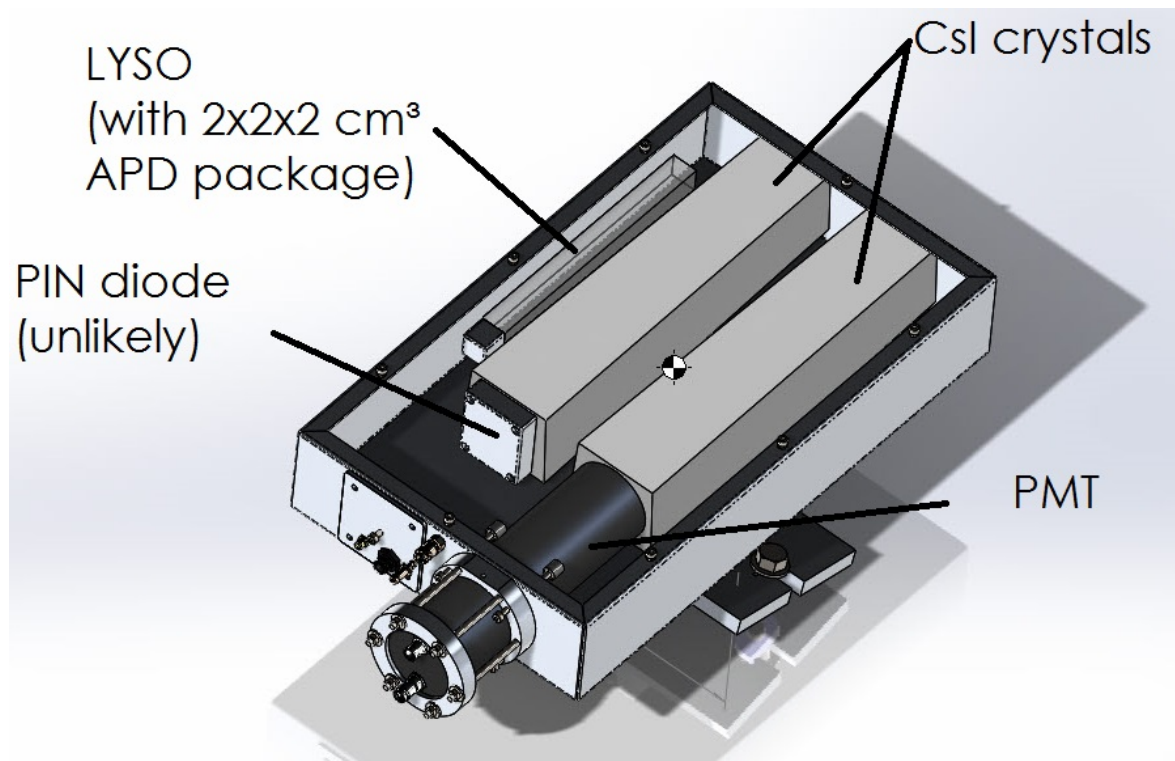


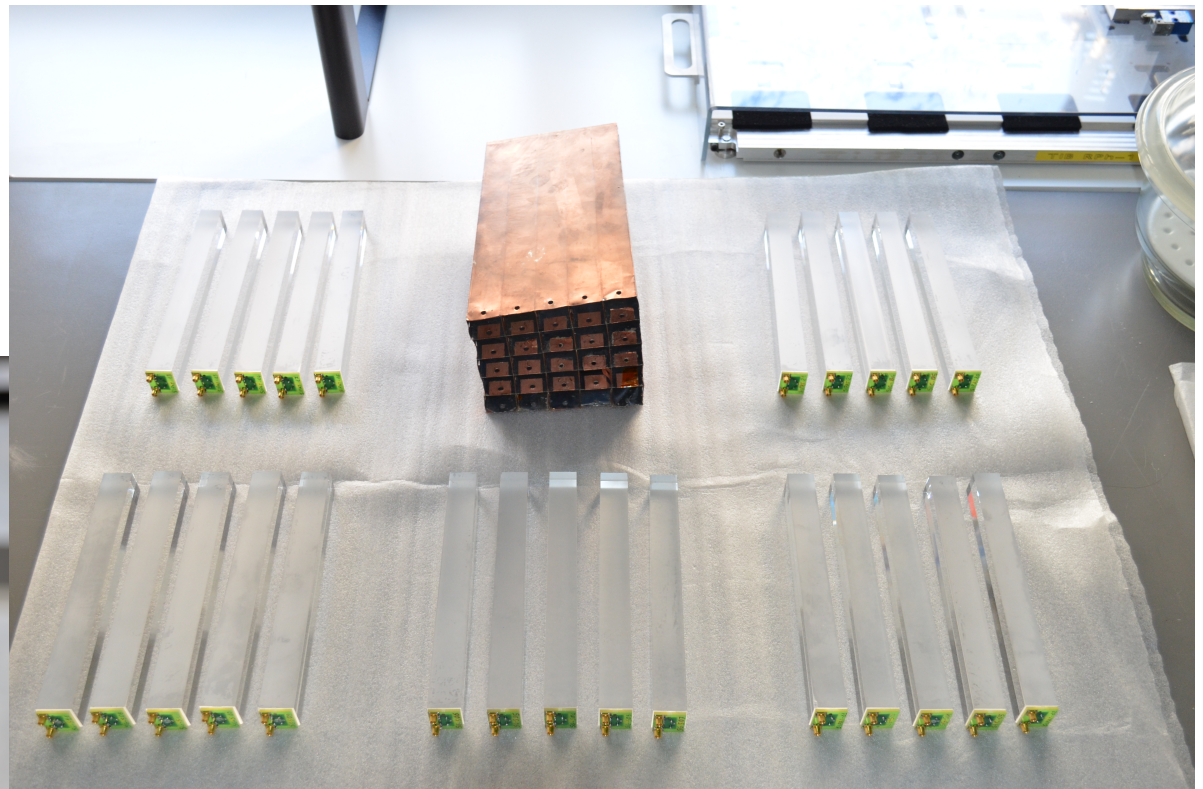
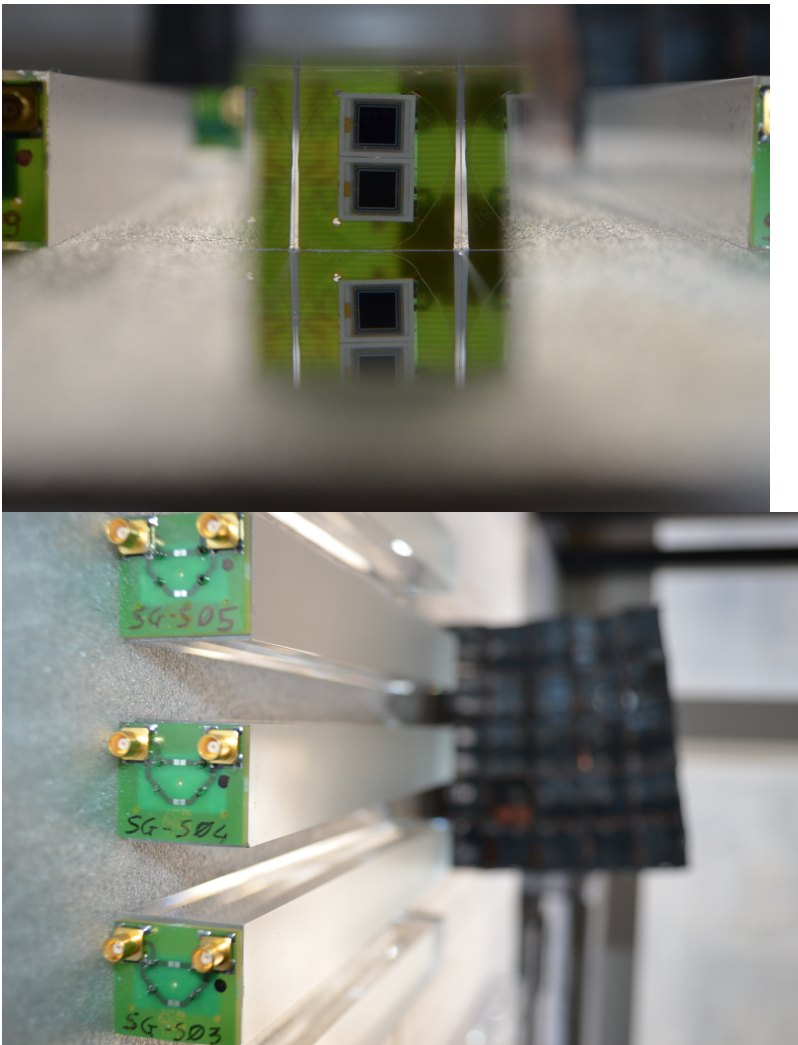
Adding LYSO to BEAST

Additional validation of the MC background simulation



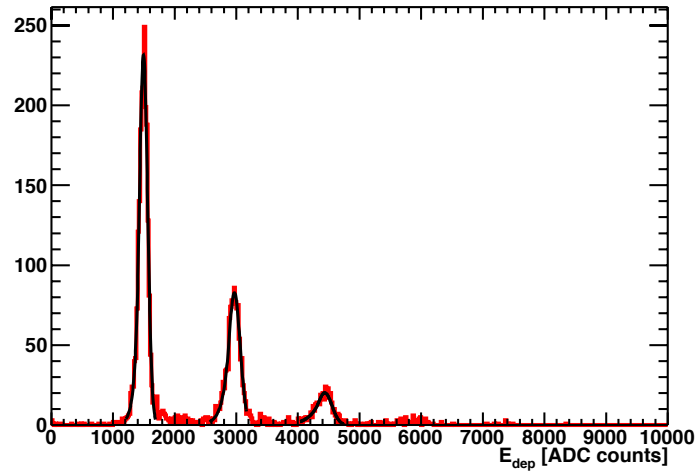
LYSO crystals

LYSO crystals studied for the SuperB FWD calorimeter $2 \times 2 \times 20 \text{ cm}^3$ with APD readout

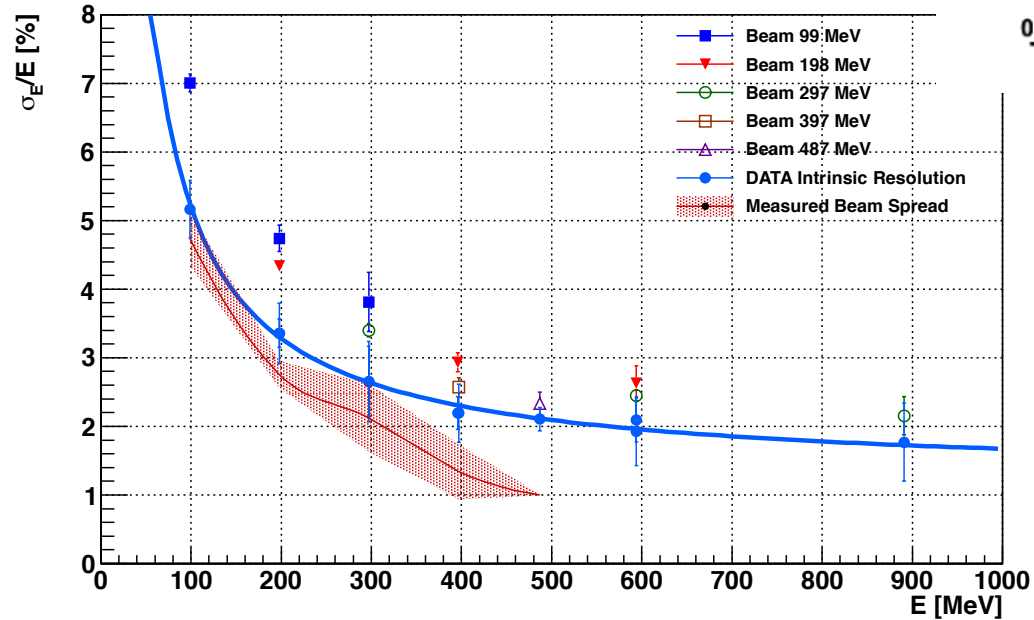
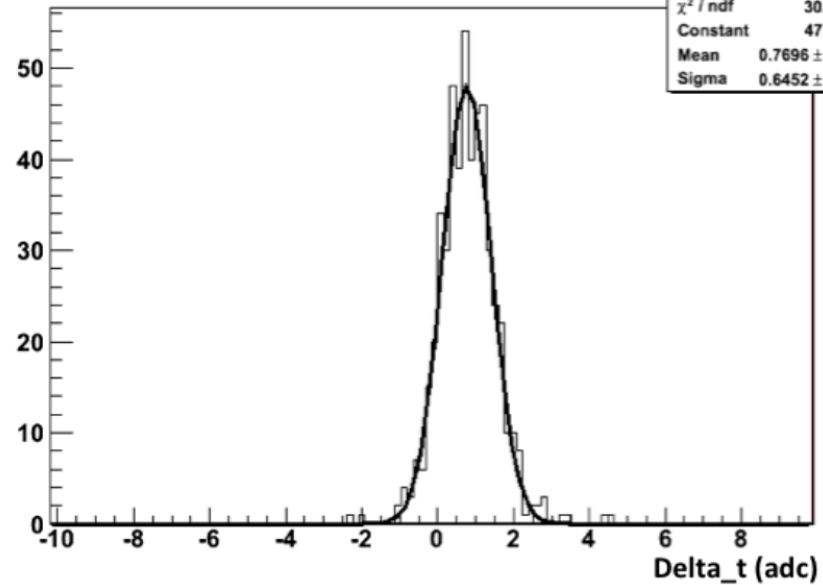


LYSO performance

e total energy



hptimex08



$$\sigma_{ris}^{crystallo8} = \frac{\sigma_{gaus}}{\sqrt{2}} \cdot 4 \cdot \frac{ns}{conteggi \ di \ ADC} = (1.84 \pm 0.06) ns$$