

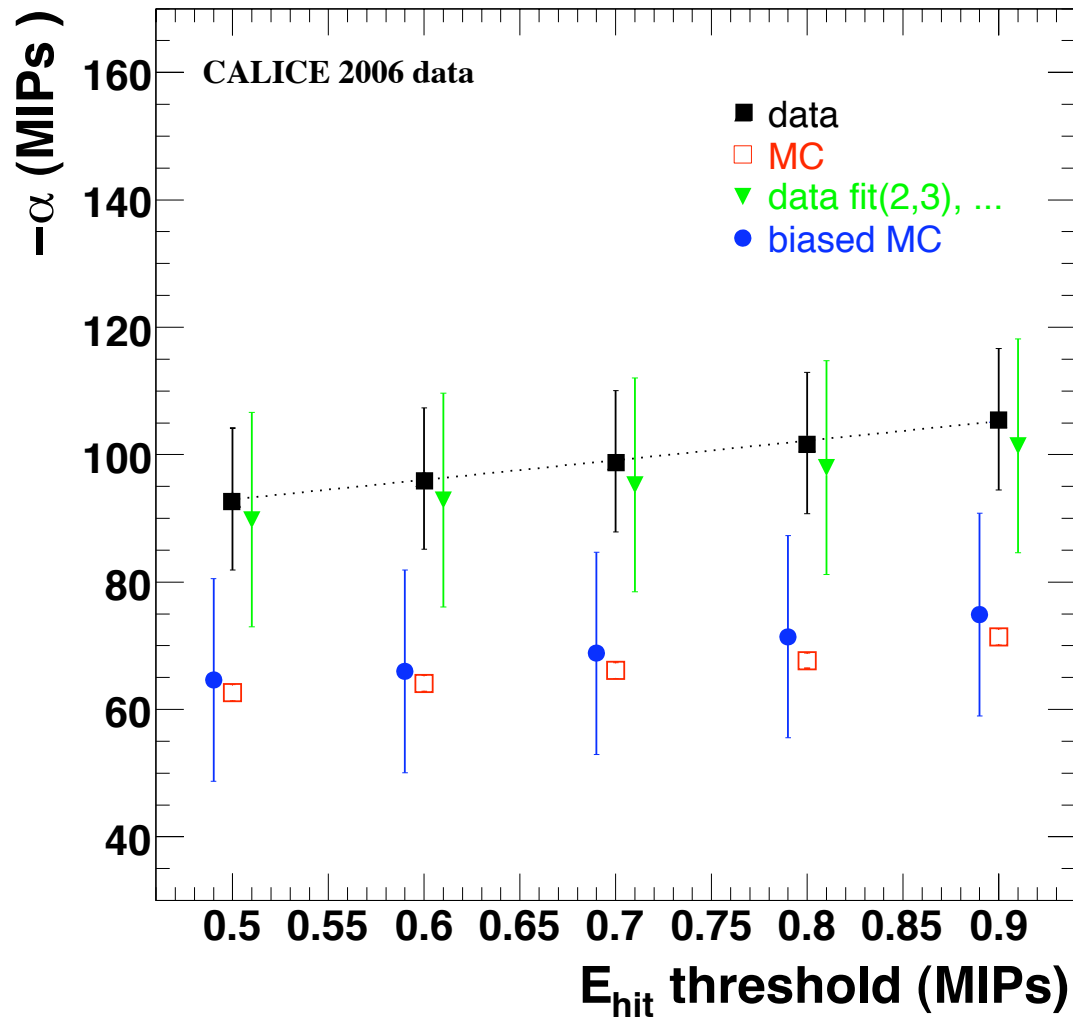
CALICE
Calorimeter for **ILC**

*Stability of the Electron
Analysis to G10
Definition in Mokka*



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$$E_{\text{mean}} (\text{MIPs}) = -\alpha + E_{\text{beam}} * \beta$$

and

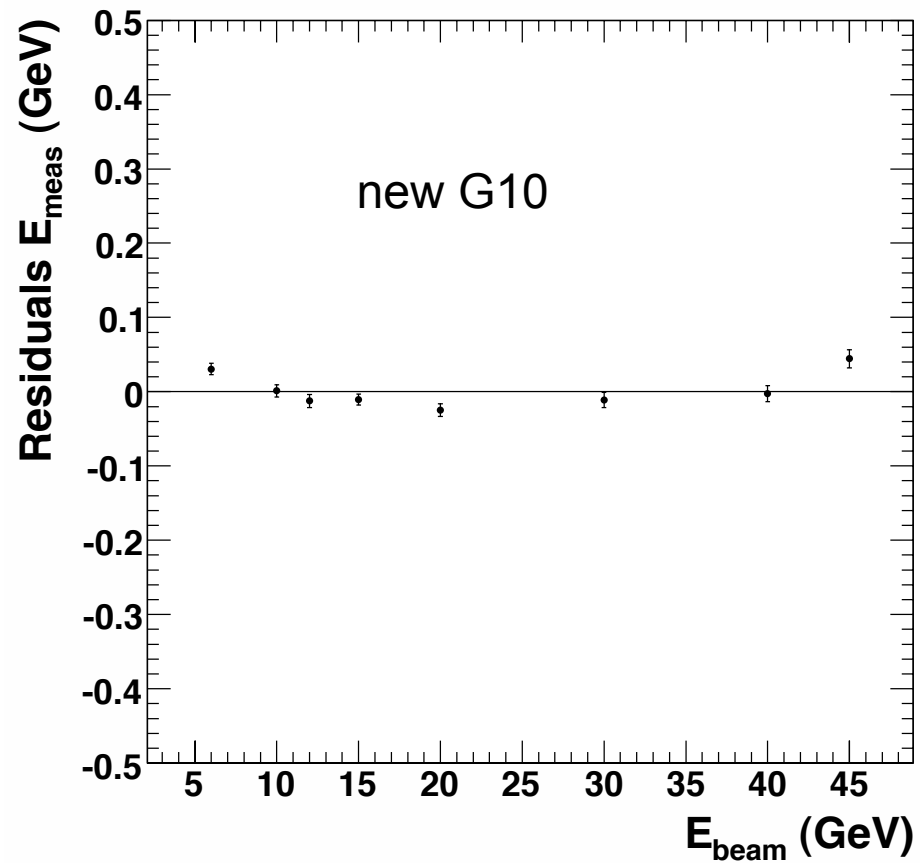
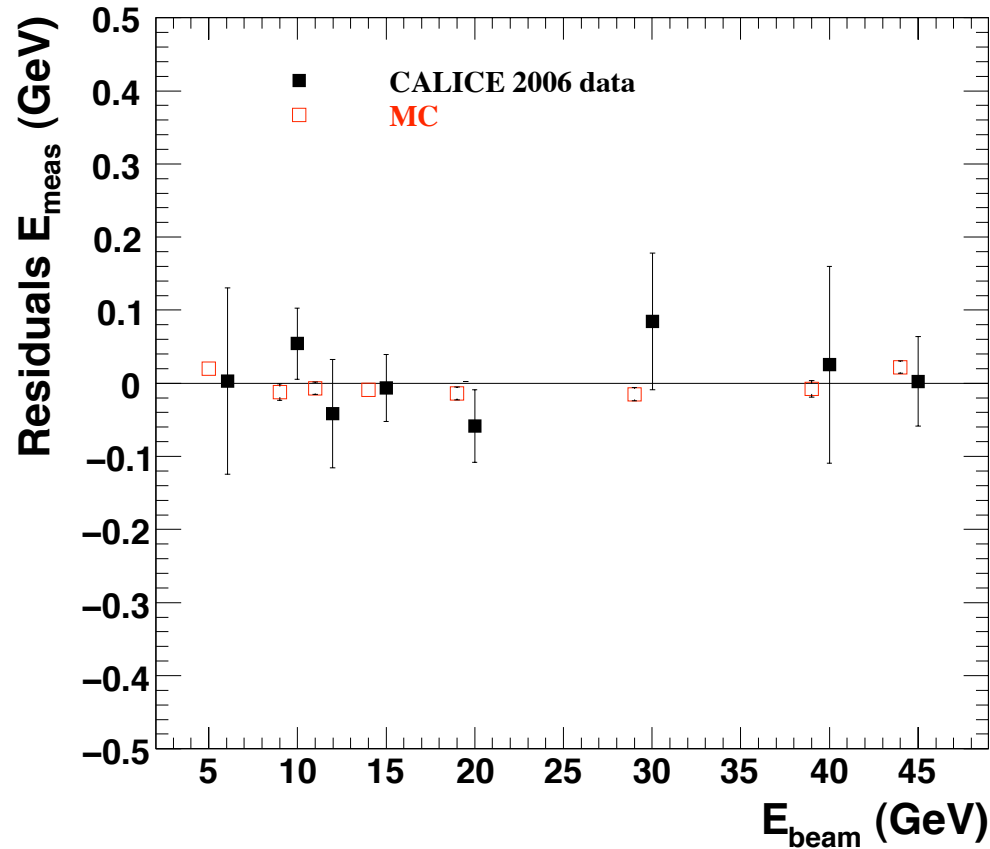
$$E_{\text{meas}} = E_{\text{mean}} + \alpha$$

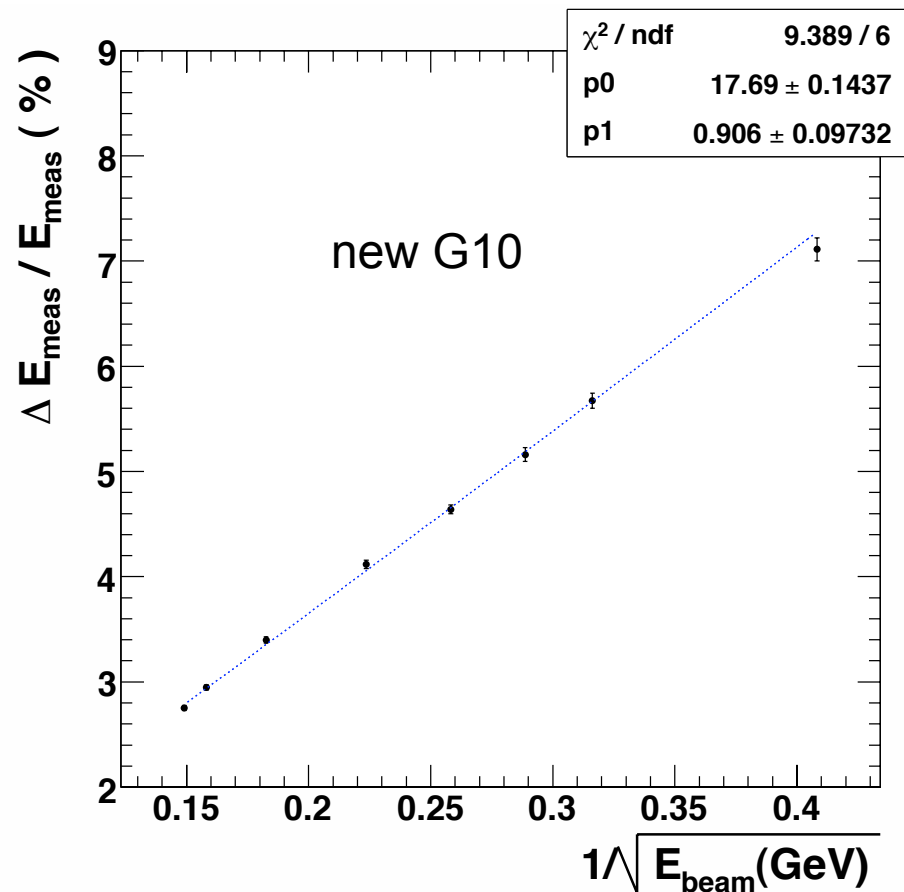
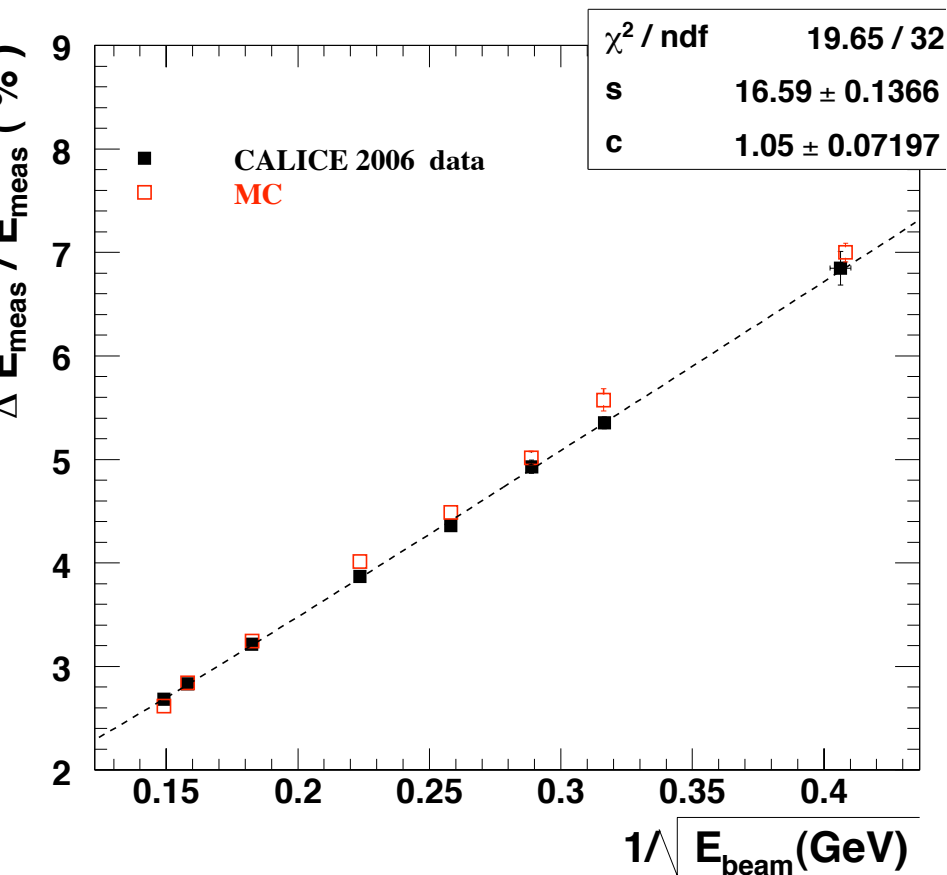
new offset:

-70.48 @ 0.6 MIPs

-68.06 @ 0.5 MIPs

-73.56 @ 0.9 MIPs





$$\frac{\Delta E}{E} (\%) = \frac{17.3 \pm 0.1}{\sqrt{E} (\text{GeV})} \oplus (0.5 \pm 0.1)$$

old Mokka

$$\frac{\Delta E}{E} (\%) = \frac{17.7 \pm 0.1}{\sqrt{E} (\text{GeV})} \oplus (0.9 \pm 0.1)$$