BCal Calibration

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Formula in Blake's Thesis:

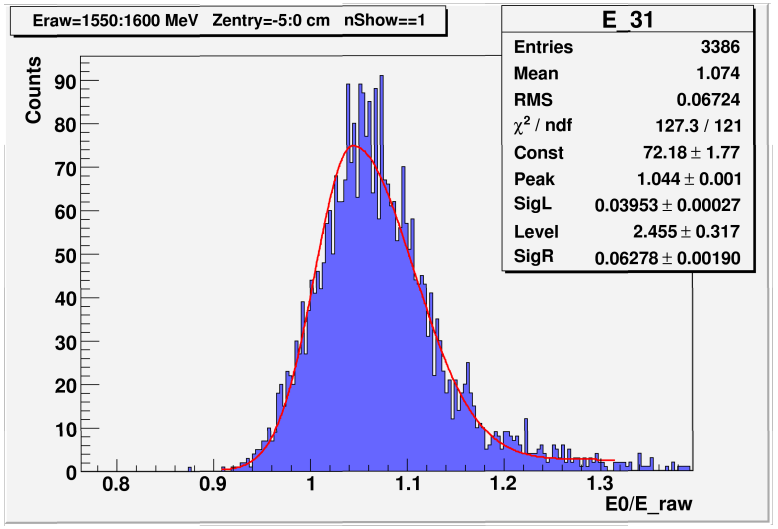
$$E_{corr} / E_{gamma} = A(z) (E_{gamma})^{e(z)} + B(z)/E_{gamma}$$

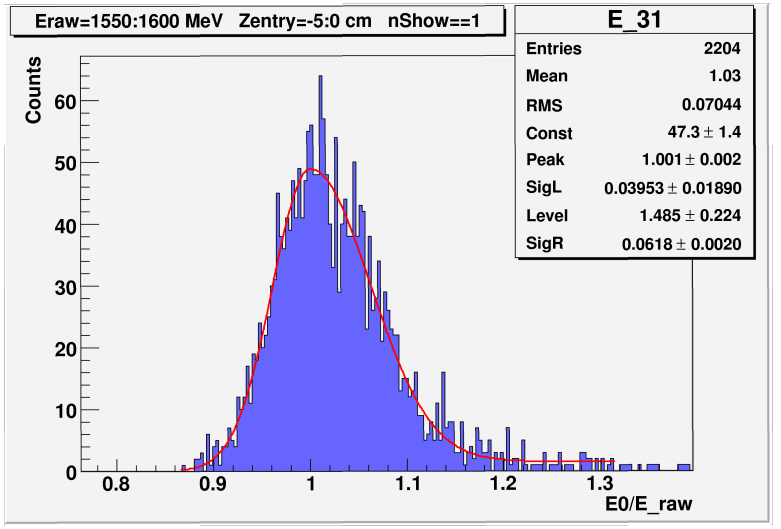
We used similar function:

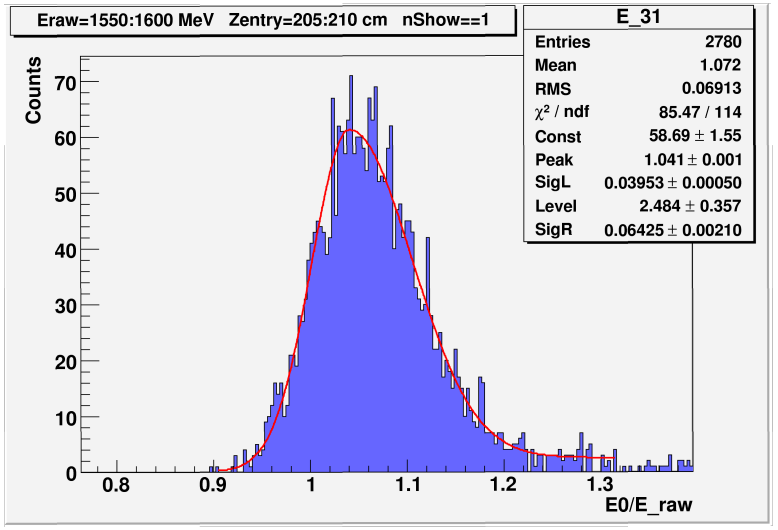
$$E_{gen} / E_{raw} = A(z) (E_{raw})^{e(z)} + B(z)/E_{raw}$$

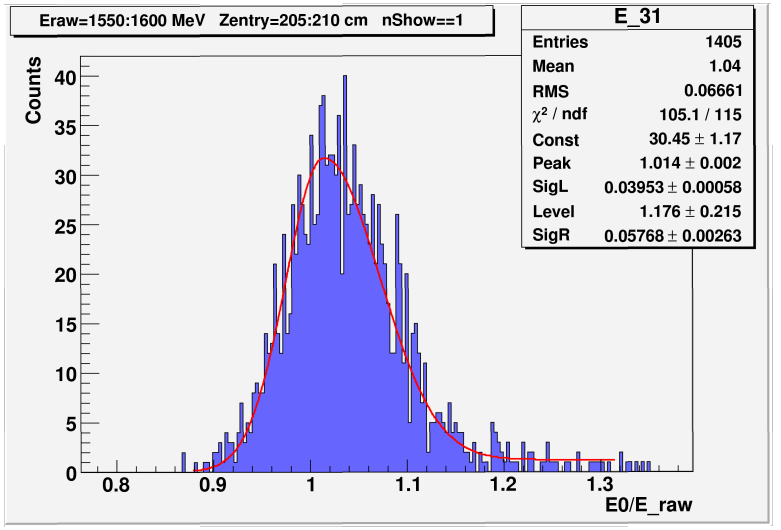
We used “KLOE” clasterization for the fine and course segmentation.

Event-by-Event "E_gen / E_raw" Ratio Spectra





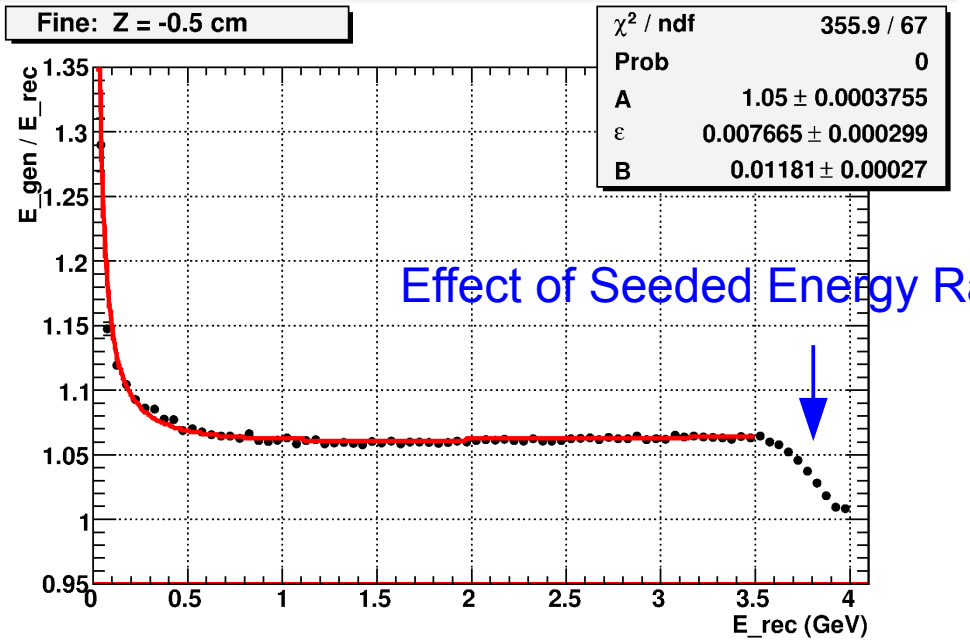




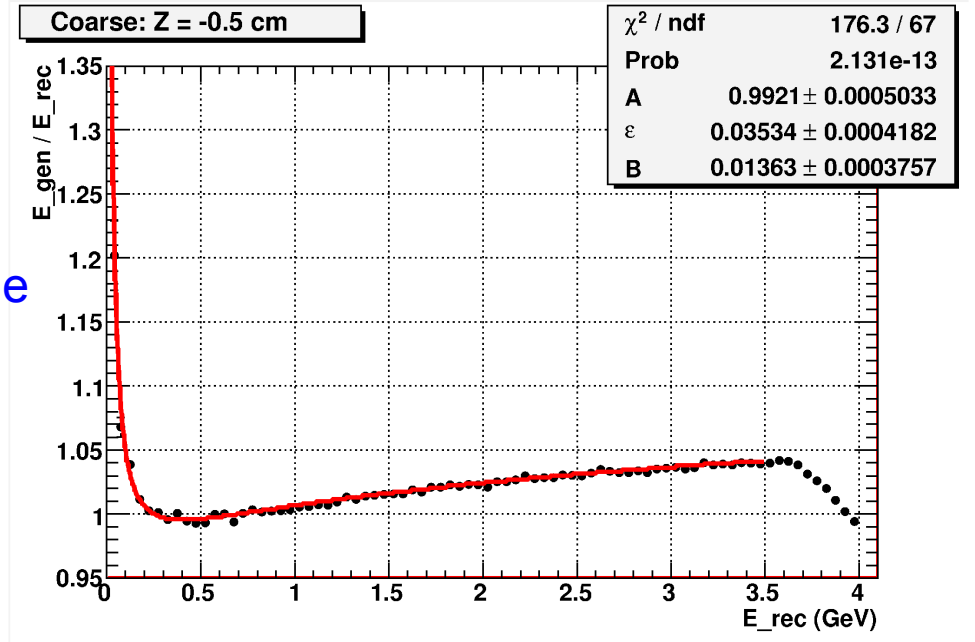
Fine

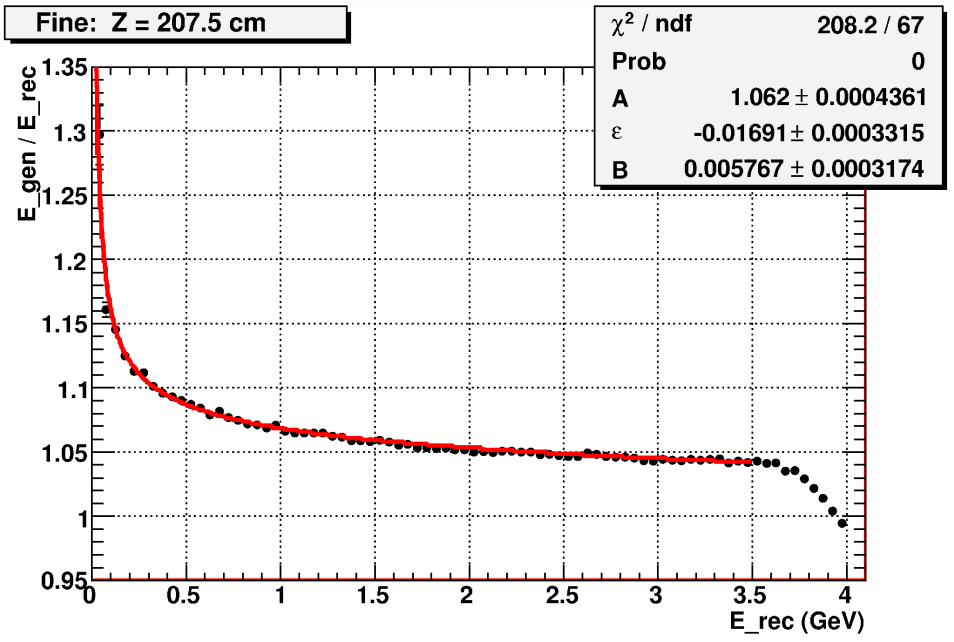
Coarse

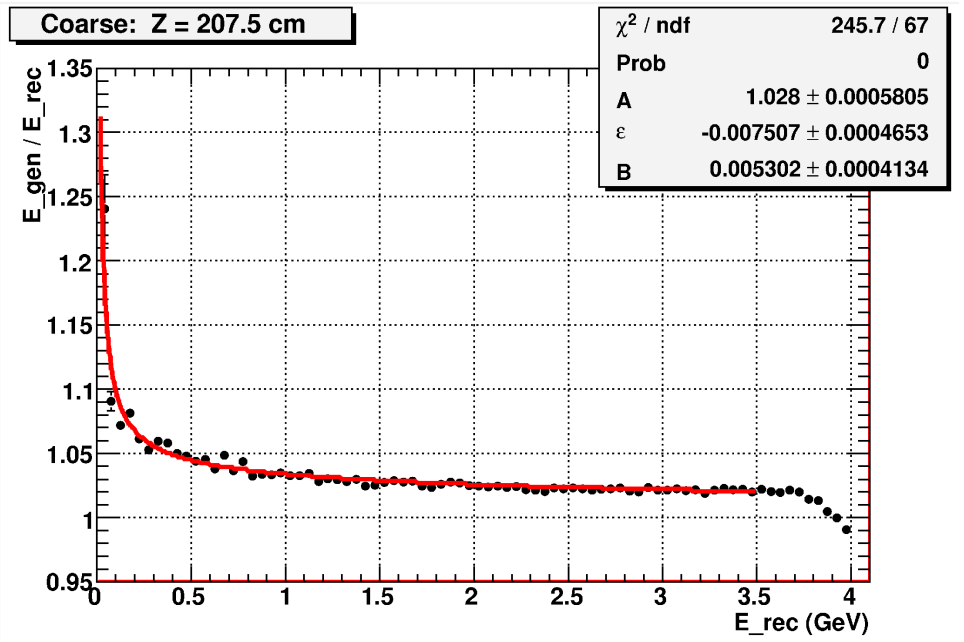
Fit to the Ratio(E_raw) for Each of Z-Bins



Effect of Seeded Energy Range







Fit to Parameters(Z) with 13-free-pars Function