

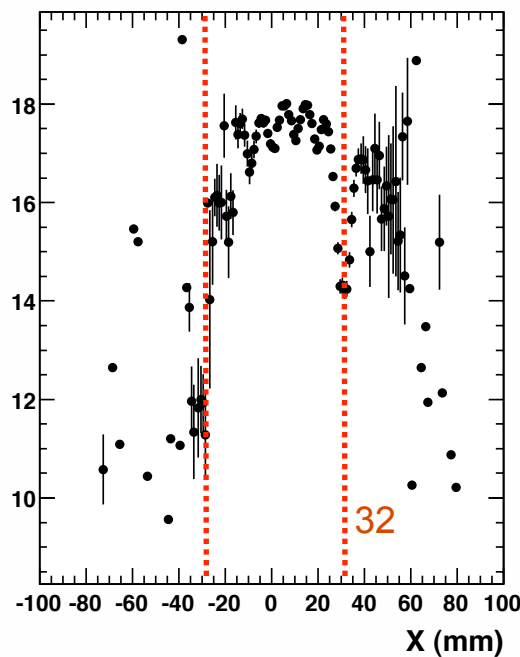
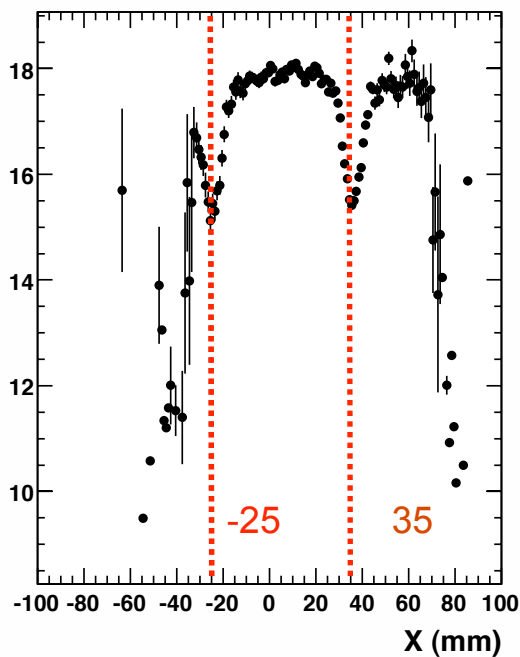
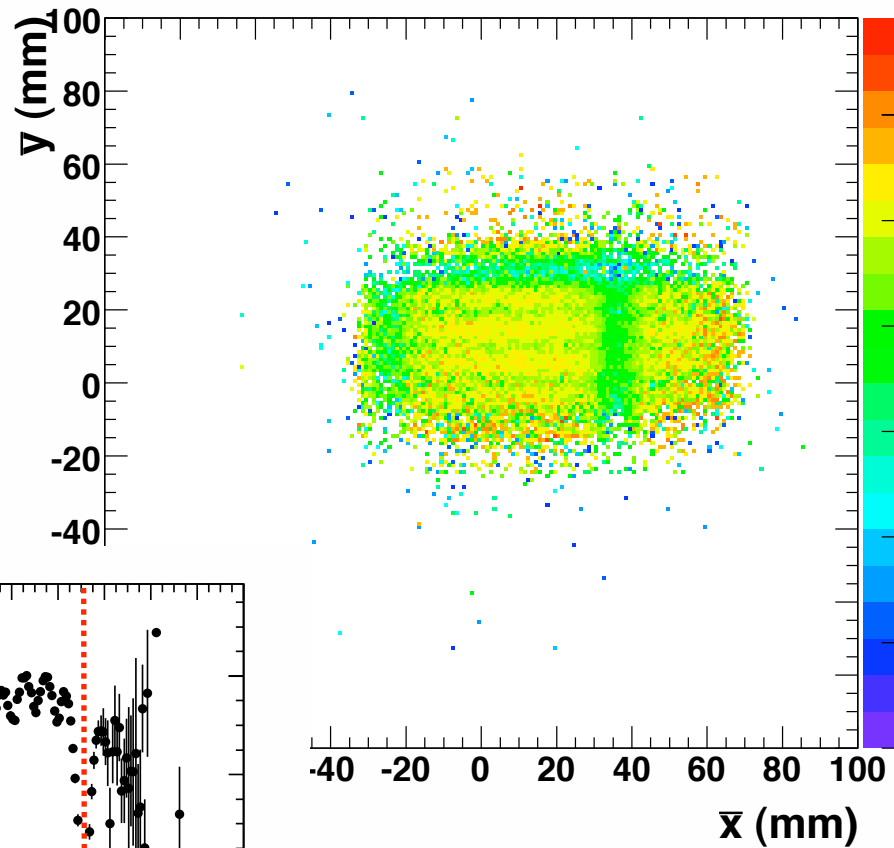
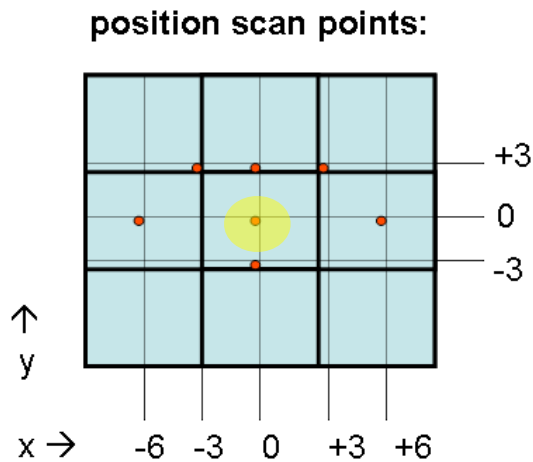
**CALICE**  
Calorimeter for **ILC**

*First look at the  
2007 Electron Data*

Cristina Cârloganu



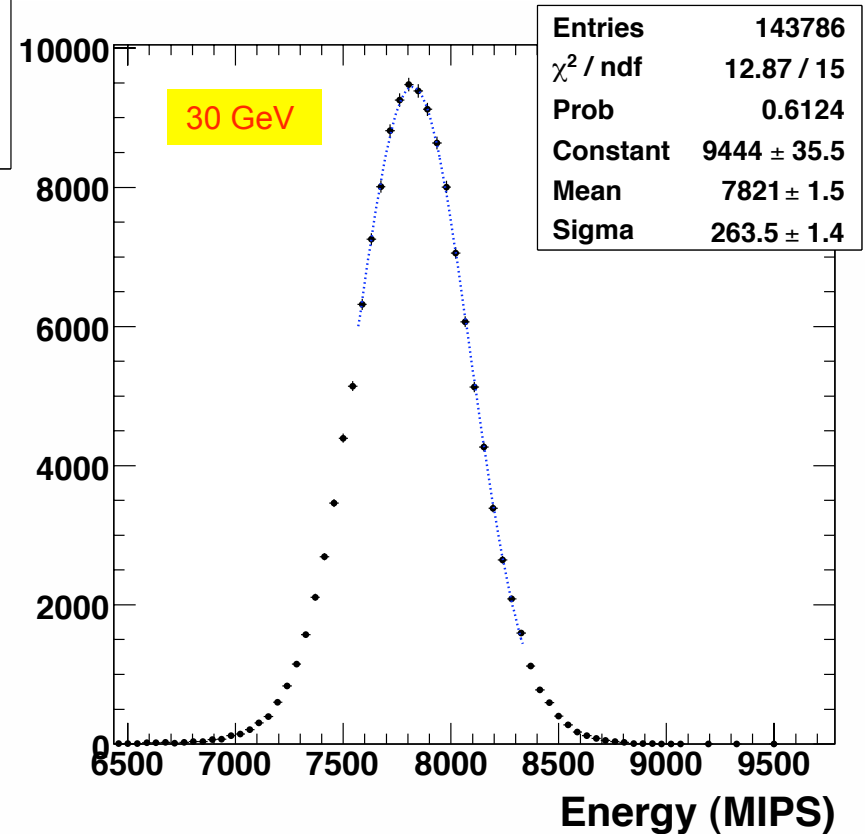
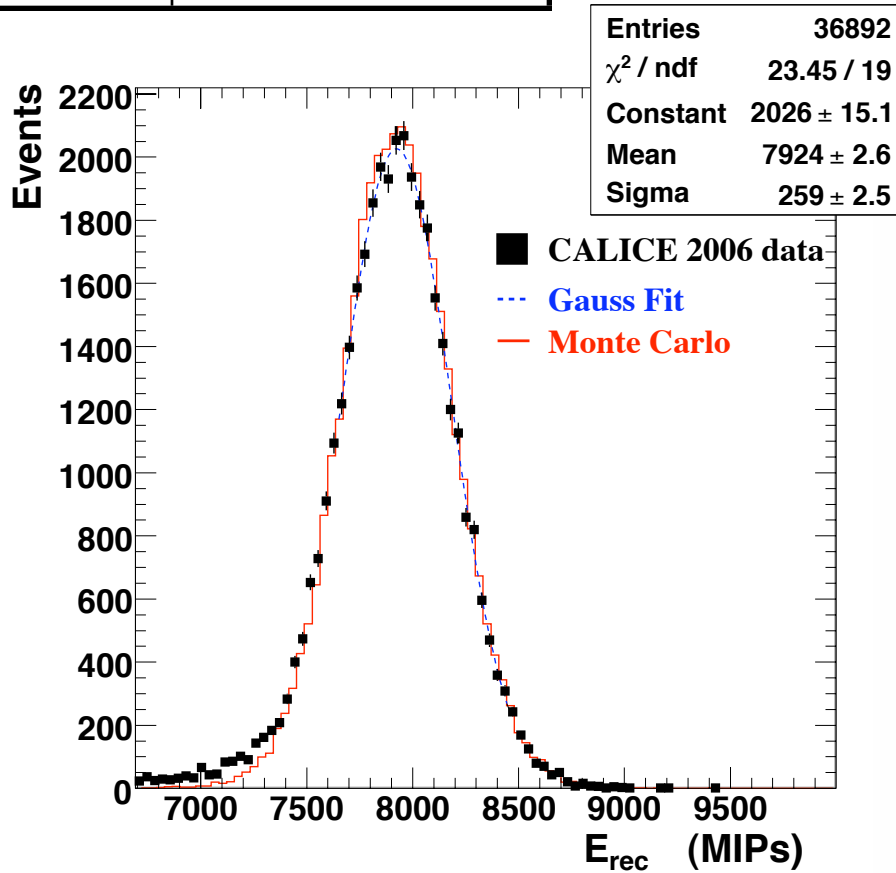
Clermont Ferrand

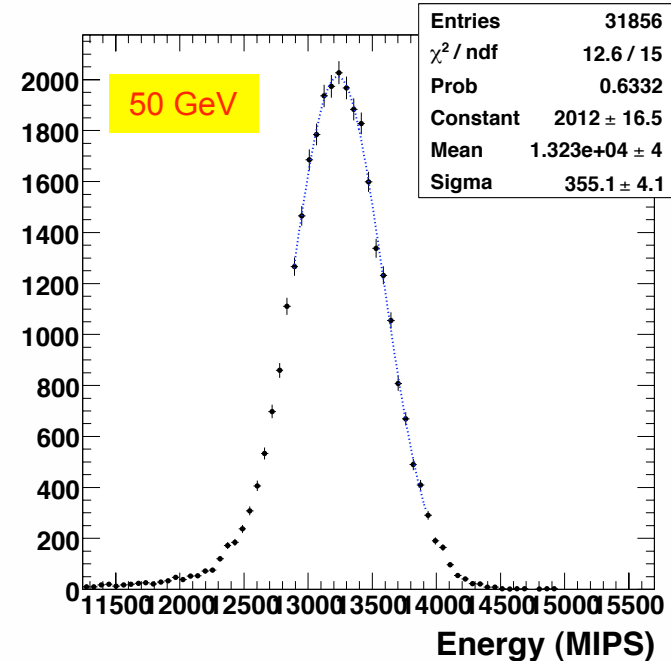
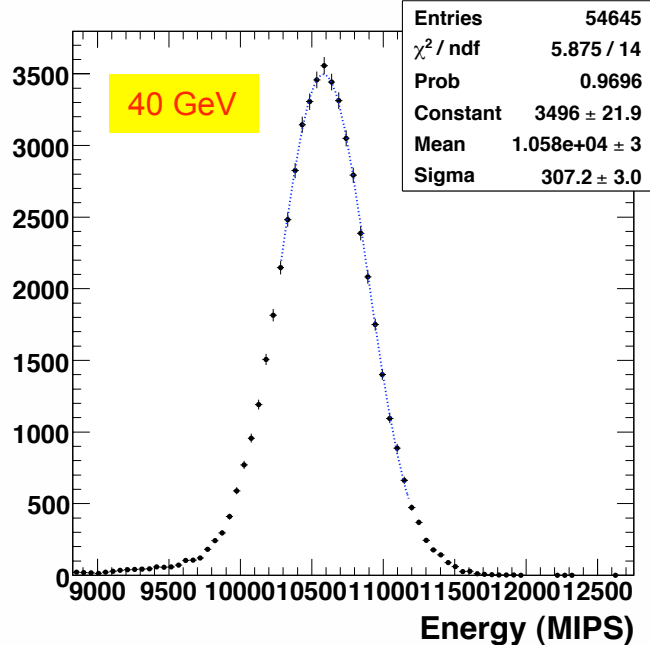
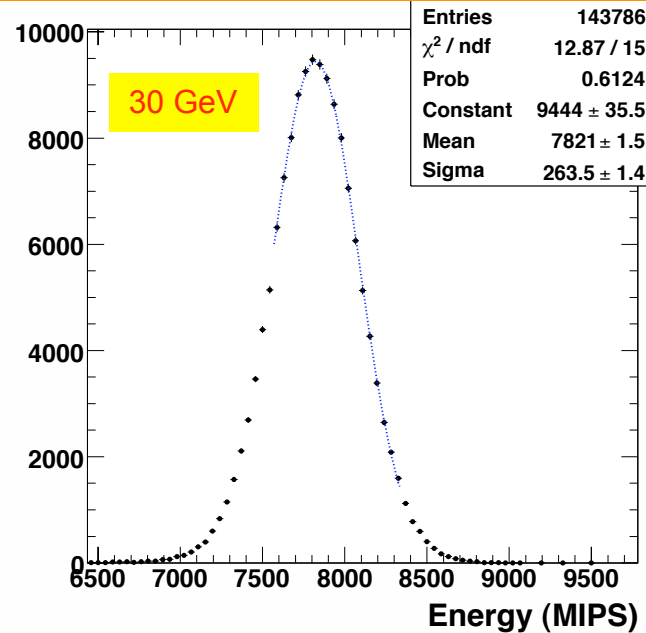
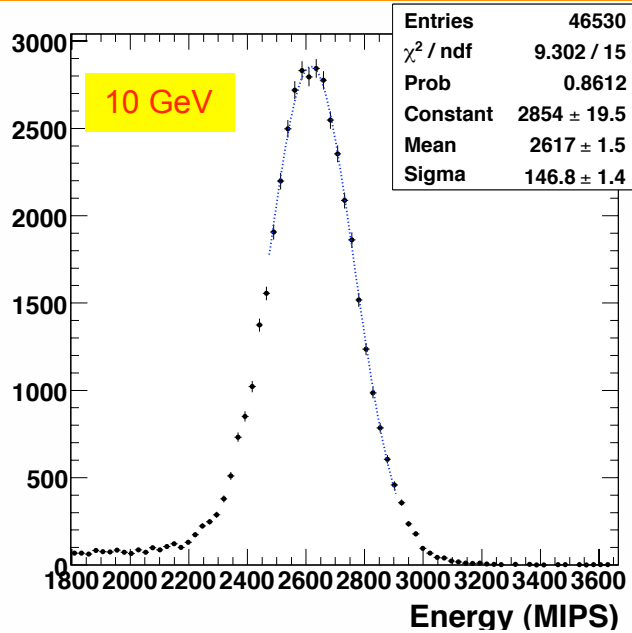


Run 330268, 20GeV

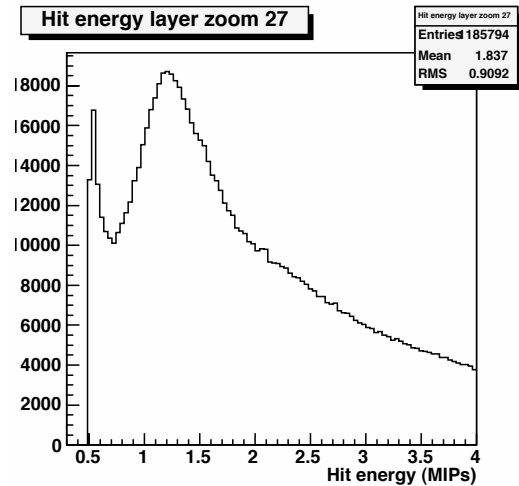
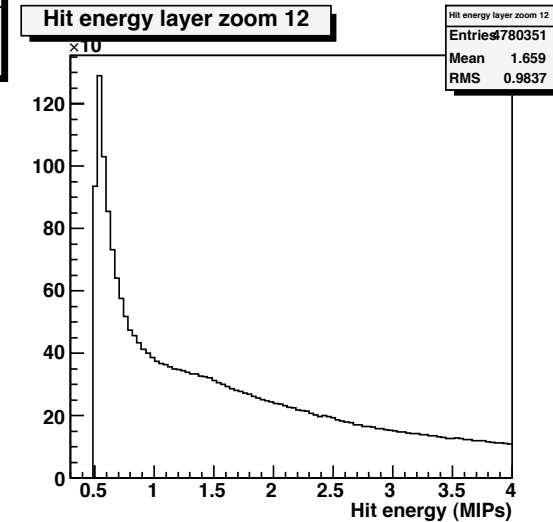
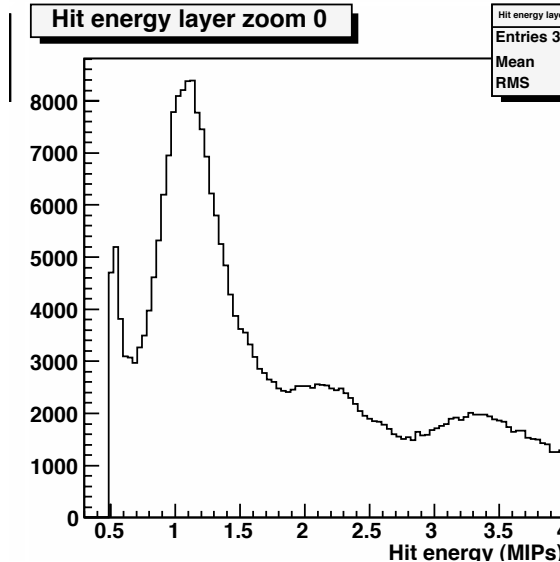
10 GeV	330664
20 GeV	330658 330215 330218
30 GeV	331265
40 GeV	330224 330429
50 GeV	330228

- no alignment problems seen
- less energy loss upstream ECAL than in 2006
- less lateral leakage than in 2006





10 GeV	330664
20 GeV	330658 330215 330218
30 GeV	331265
40 GeV	330224 330429
50 GeV	330228



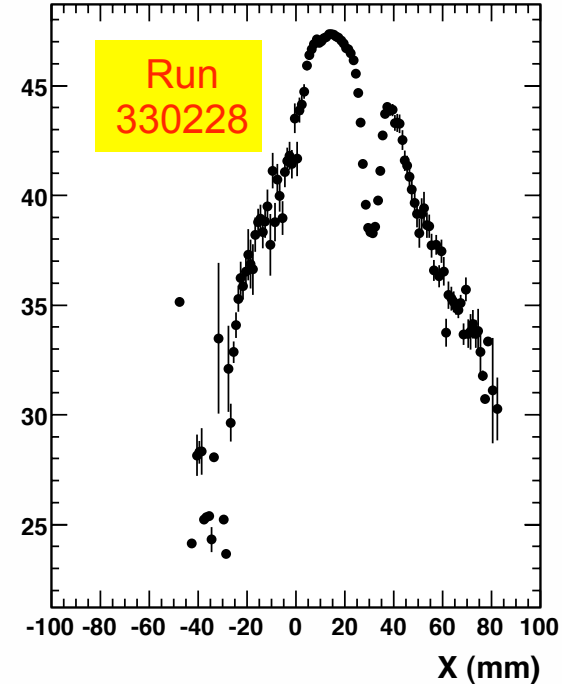
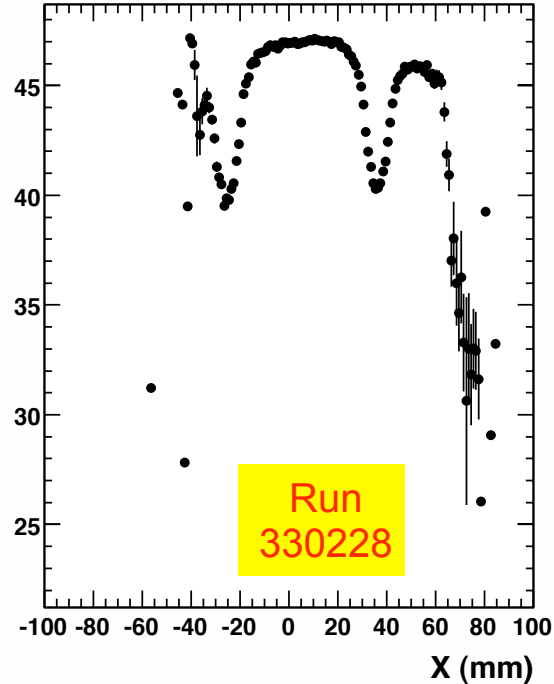
- no alignment problems seen
- less energy loss upstream ECAL than in 2006
- less lateral leakage than in 2006
- missing lower slabs in the first stack
- some noisy layers

10 GeV	330664
20 GeV	330658 330215 330218
30 GeV	331265
40 GeV	330224 330429
50 GeV	330228

- no alignment problems seen
- less energy loss upstream ECAL than in 2006
- less lateral leakage than in 2006
  
- missing lower slabs in the first stack
- some noisy layers
- very narrow  $y$  profile of the beam in some runs
- hold values not checked in DB
- nominal mean momentum of the run missing in the reco files
- beam momentum spread not calculated ...

10 GeV	330664
20 GeV	330658 330215 330218
30 GeV	331265
40 GeV	330224 330429
50 GeV	330228

- no alignment problems seen
- less energy loss upstream ECAL than in 2006
- less lateral leakage than in 2006



- missing lower slabs in the first stack
- some noisy layers
- very narrow  $y$  profile of the beam in some runs
- hold values not checked in DB
- nominal mean momentum of the run missing in the reco files
- beam momentum spread not calculated ...

10 GeV	330664
20 GeV	330658 330215 330218
30 GeV	331265
40 GeV	330224 330429
50 GeV	330228

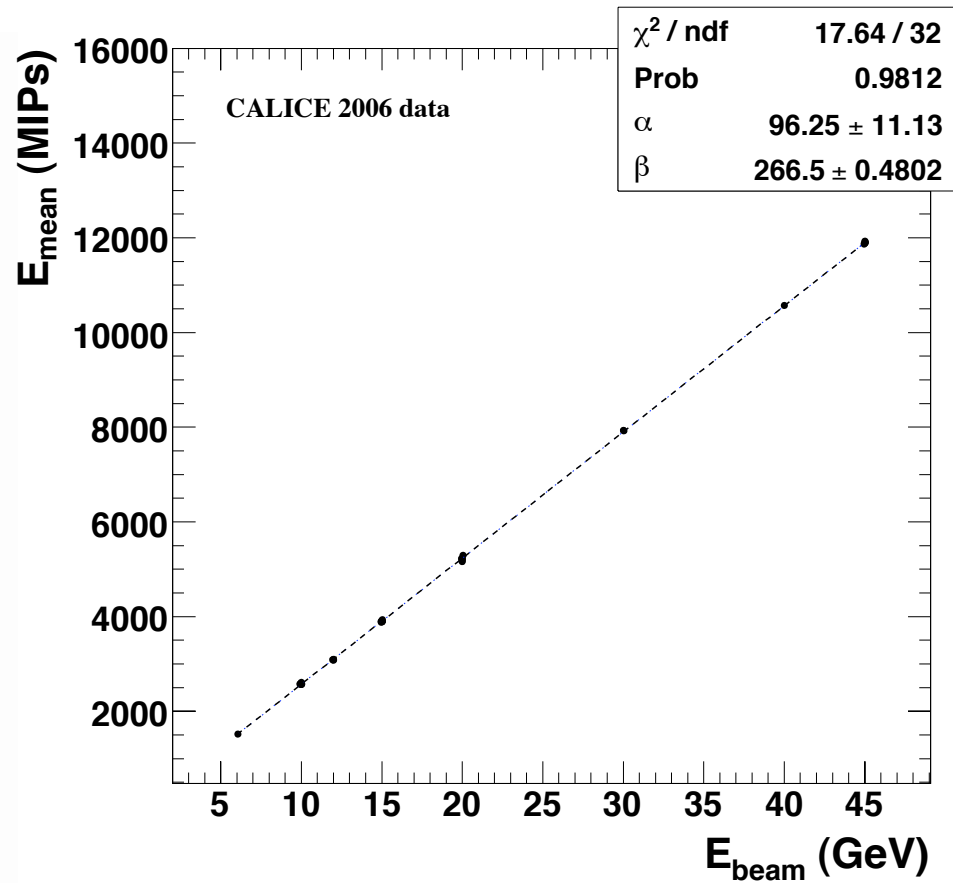
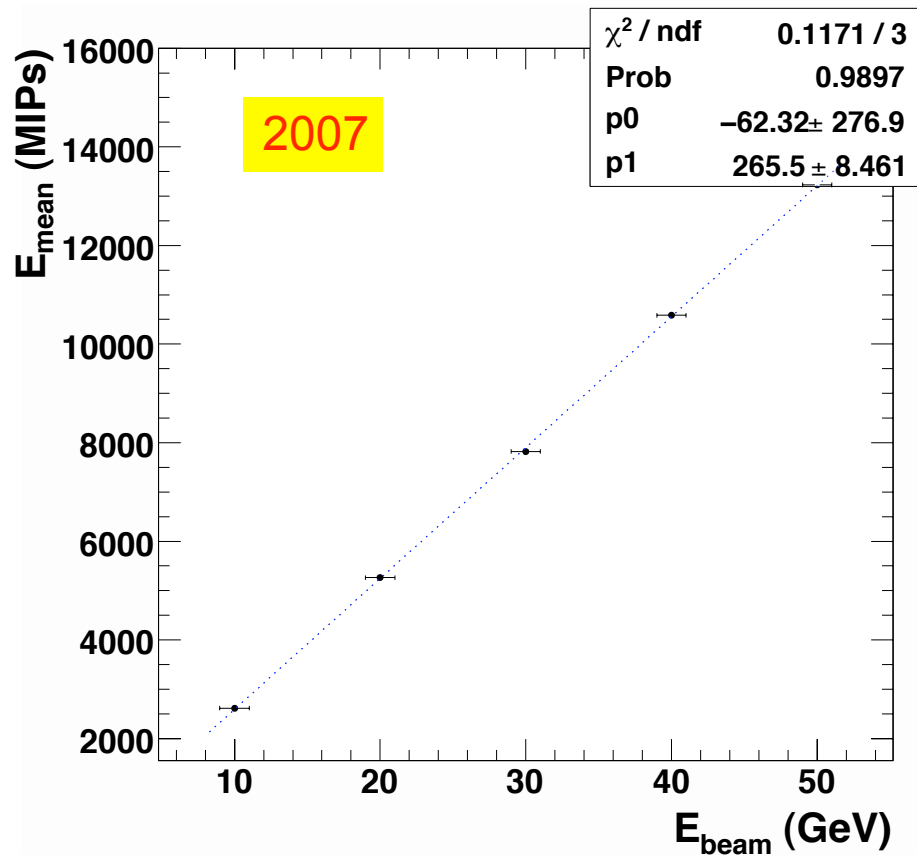
- no alignment problems seen
- less energy loss upstream ECAL than in 2006
- less lateral leakage than in 2006
  
- missing lower slabs in the first stack
- some noisy layers
- very narrow  $y$  profile of the beam in some runs
- hold values not checked in DB
- nominal mean momentum of the run missing in the reco files
- beam momentum spread not calculated ...

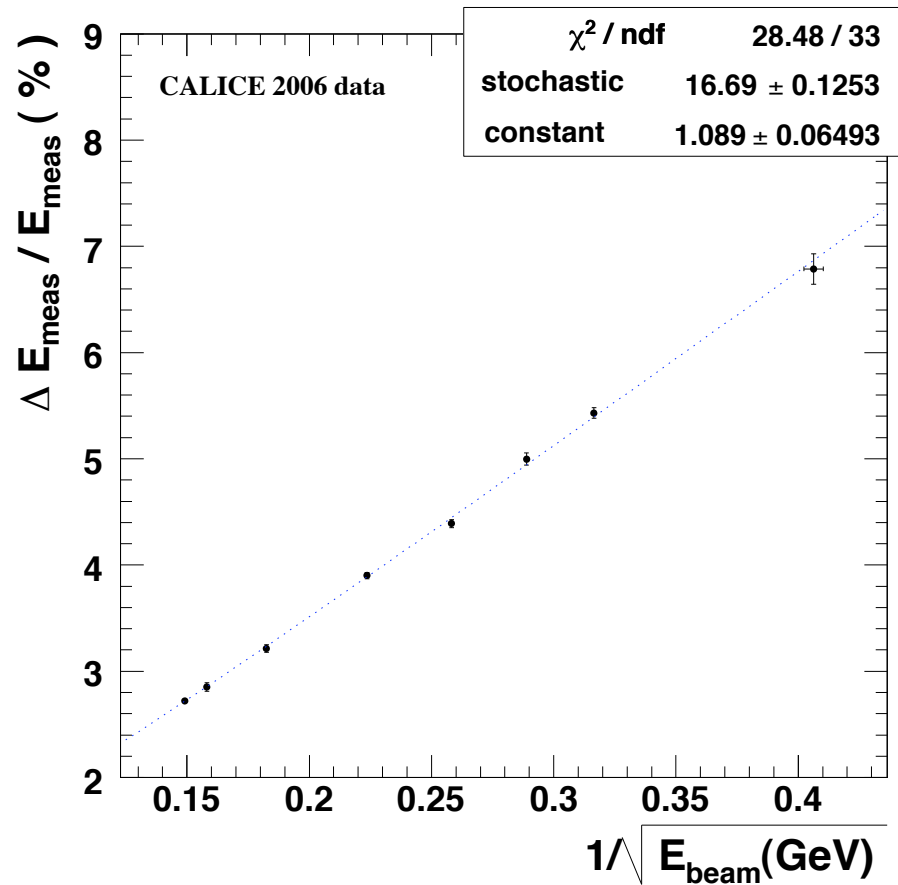
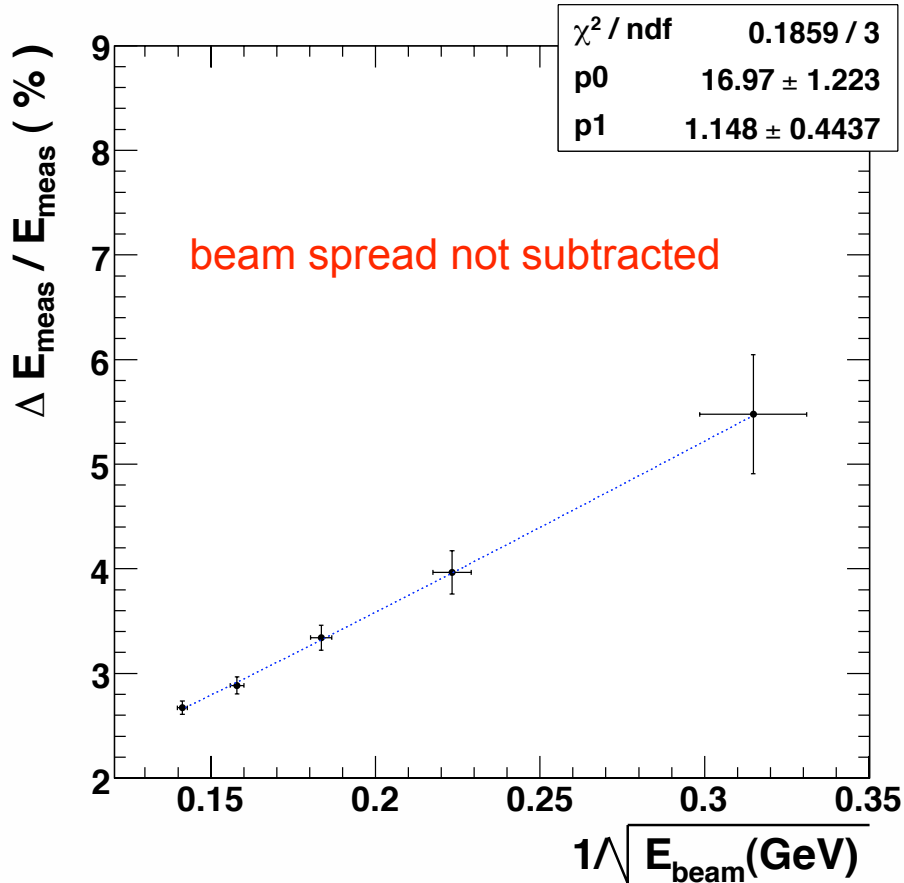


10 GeV	330664
20 GeV	330658 330215 330218
30 GeV	331265
40 GeV	330224 330429
50 GeV	330228

- no alignment problems seen
- less energy loss upstream ECAL than in 2006
- less lateral leakage than in 2006
  
- missing lower slabs in the first stack
- some noisy layers
- very narrow  $y$  profile of the beam in some runs
- hold values not checked in DB
- nominal mean momentum of the run missing in the reco files
- beam momentum spread not calculated ...

$$\frac{\Delta E_{\text{beam}}}{E_{\text{beam}}} = \frac{0.12}{E_{\text{beam}}(\text{GeV})} \oplus 0.1\% \oplus 1 / E_{\text{beam}}(\text{GeV})$$





2007 data in *rough* agreement with 2006 data (linearity, resolution)

TO DO's:

- read out the collimator settings to calculate beam mean value and spread
- try to estimate the energy fluctuations due to the trigger jitter
- look in detail into the MC simulation ...