



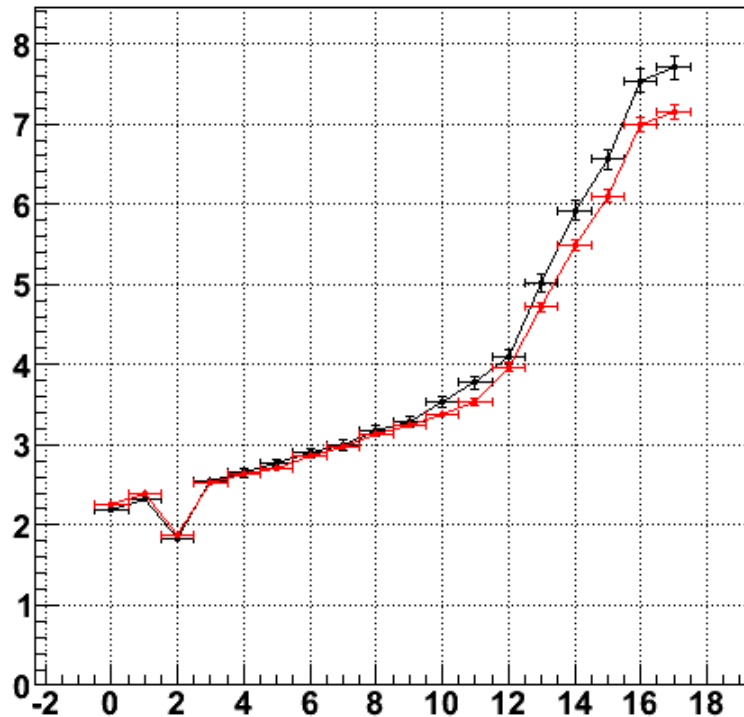
Shower development in the tracker for electrons from 1 to 10 GeV

- The 1 and 2.5 GeV runs data/MC discrepancy is different from the one higher energy electron runs
- Looking at the situation in the tracker if we see the same difference
- Svac variable :
 $\text{TkrNumClusters}[2][i][0] + \text{TkrNumClusters}[2][i][1]$
- Cuts : my ~usual cuts and requiring that :
 - $\text{Tkr1Z0} > 590$
 - $\text{CalZDir} > 0.99$ (I think that CalZDir tags additional activity)

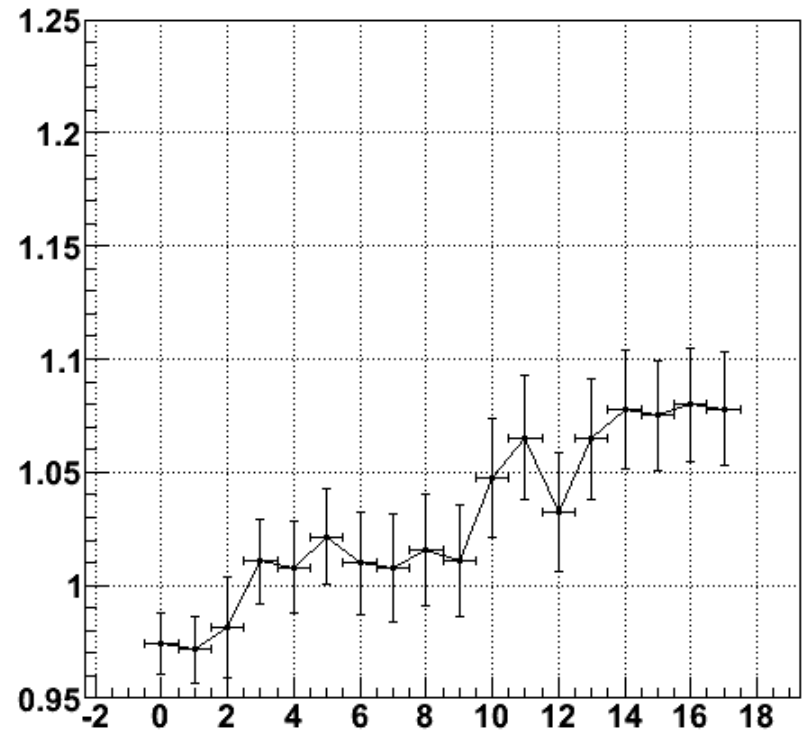
1 GeV on-axis electrons

CalELayer0 : ~ +8%

Number of clusters in tower 2

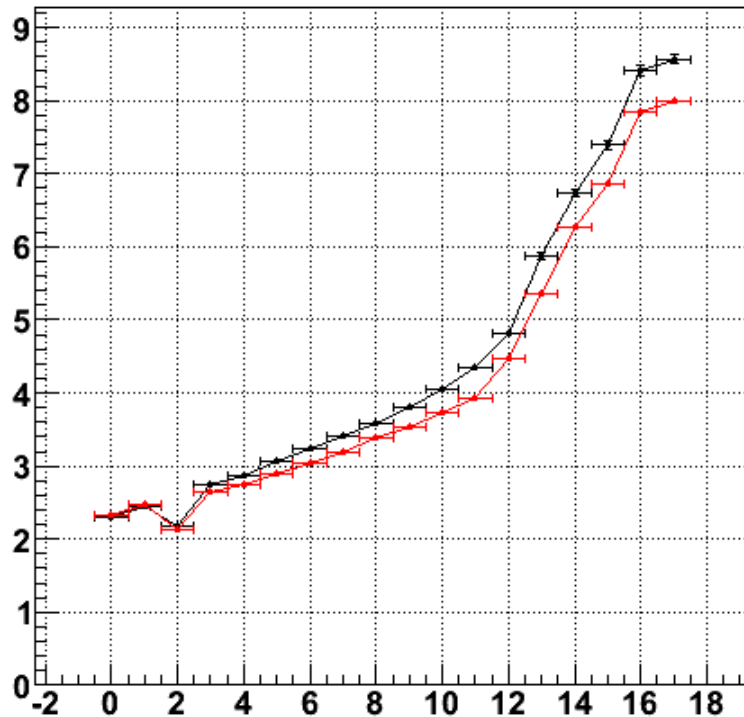


Data/MC number of clusters in tower 2

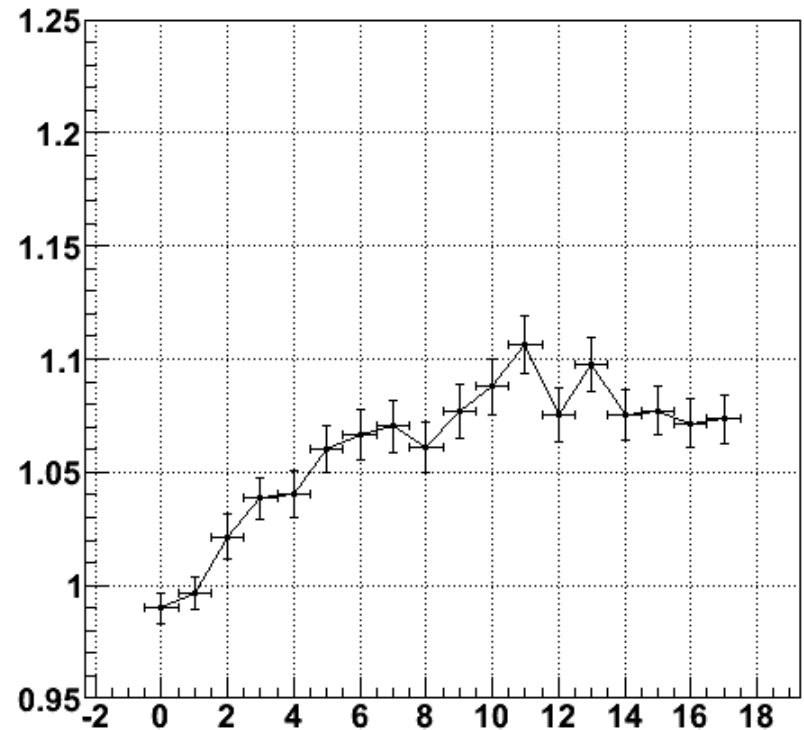


1 GeV on-axis electrons w/o CalZDir cut

Number of clusters in tower 2



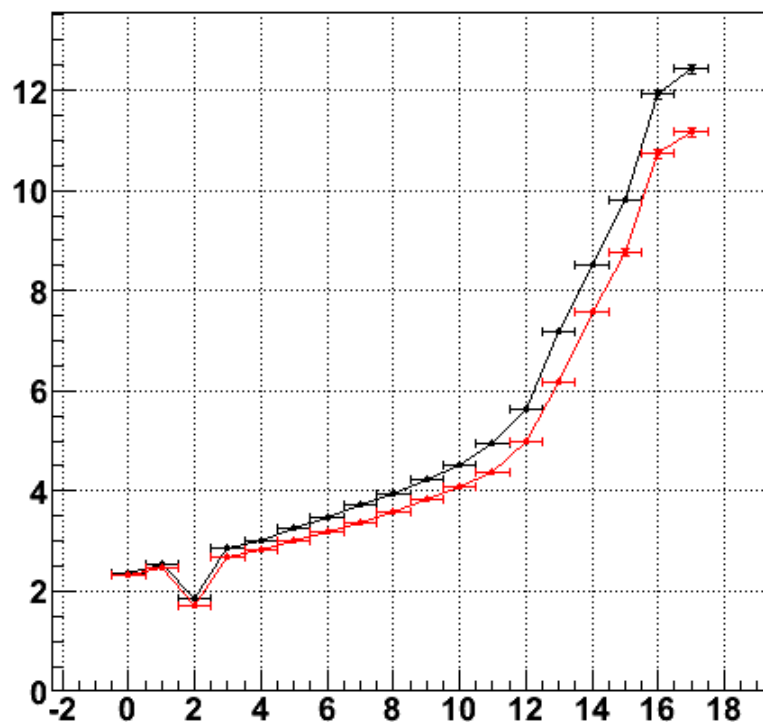
Data/MC number of clusters in tower 2



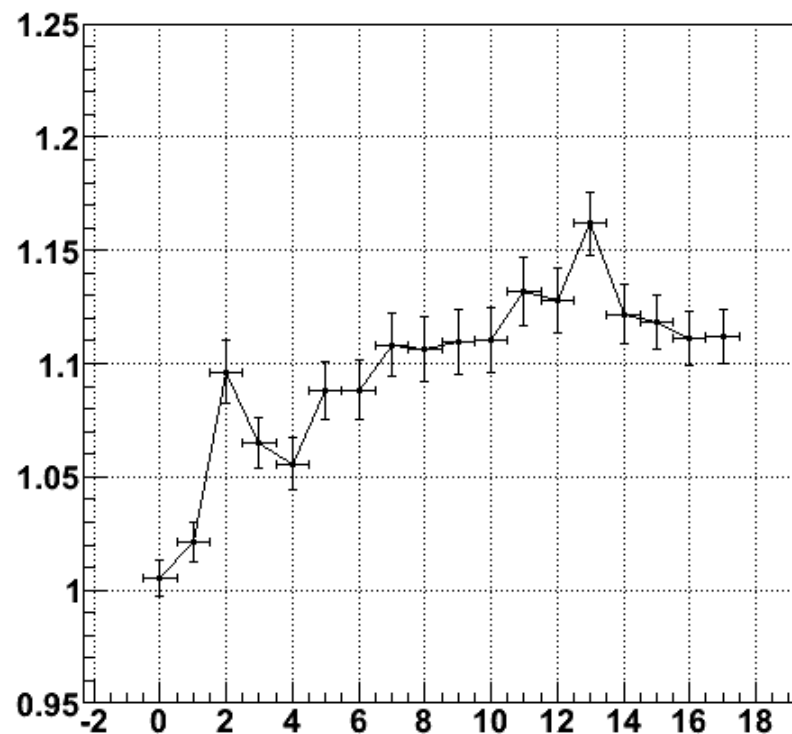
2.5 GeV on-axis electrons

CalELayer0 : ~ +8%

Number of clusters in tower 2

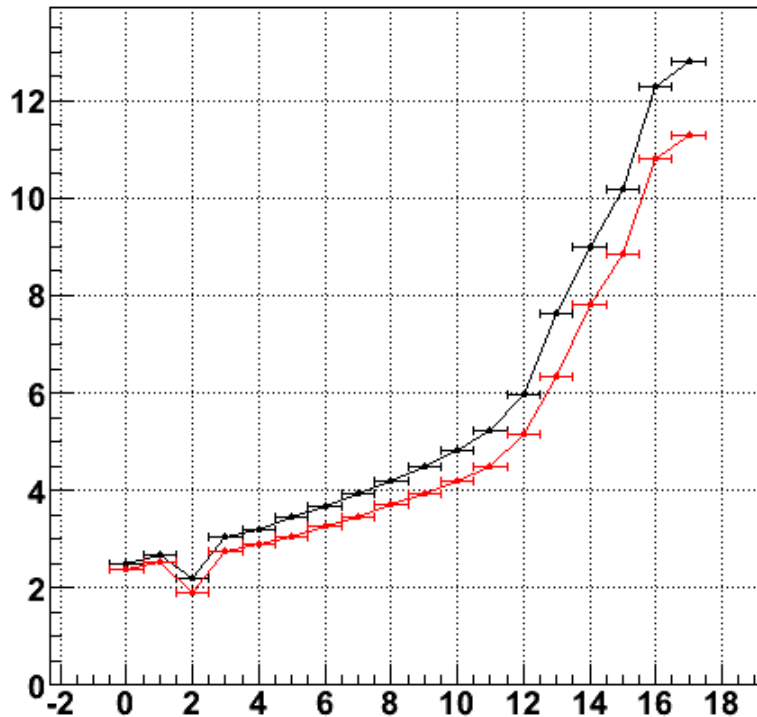


Data/MC number of clusters in tower 2

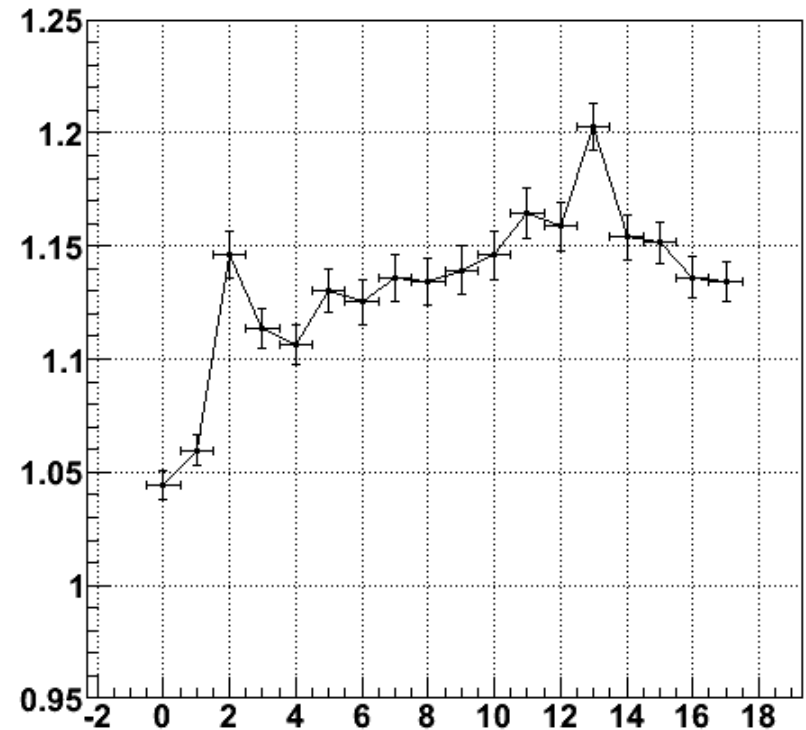


2.5 GeV on-axis electrons wo CalZDir cut

Number of clusters in tower 2

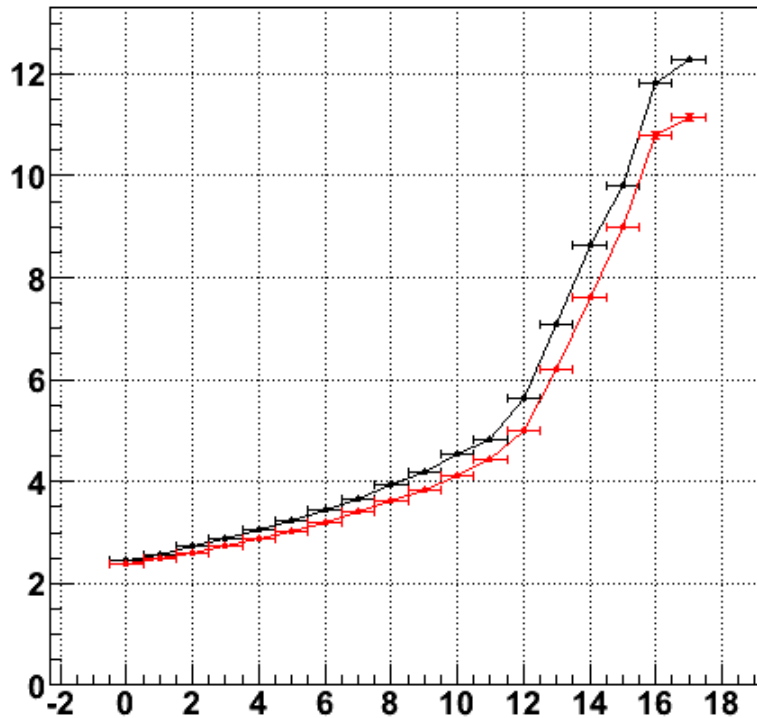


Data/MC number of clusters in tower 2

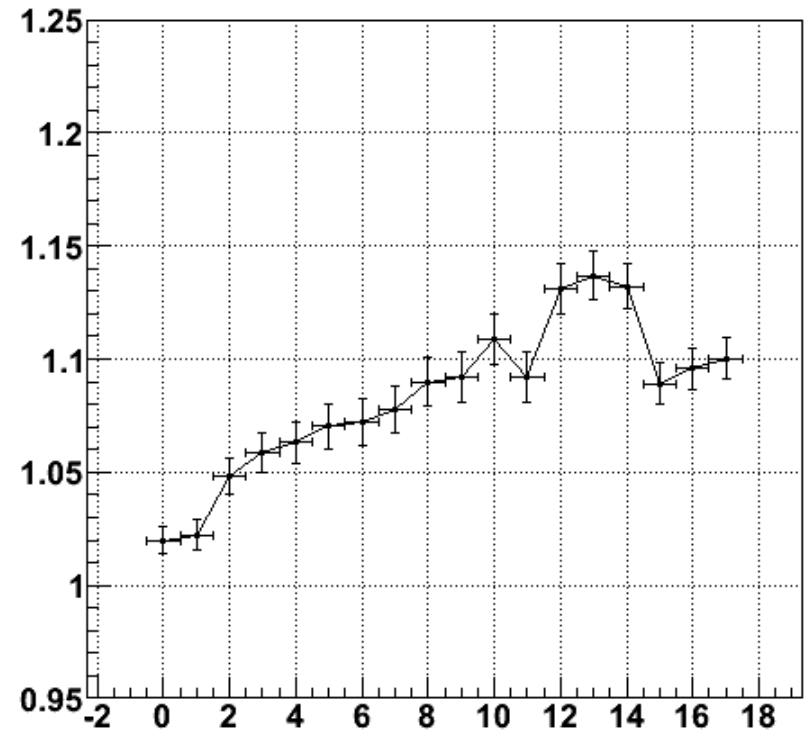


2.5 GeV on-axis electrons (tower 3)

Number of clusters in tower 3



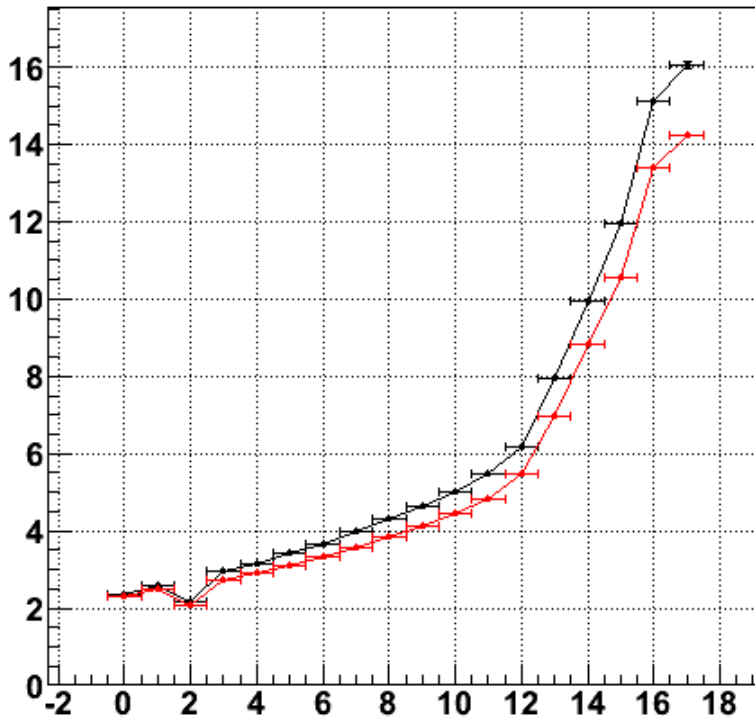
Data/MC number of clusters in tower 3



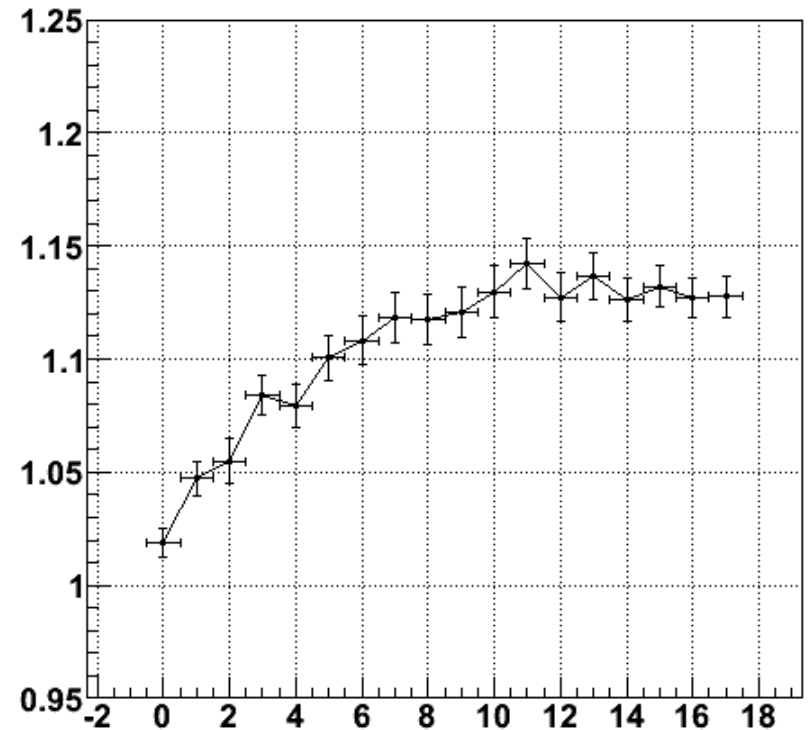
5 GeV on-axis electrons

CalELayer0 : ~ +16%

Number of clusters in tower 2



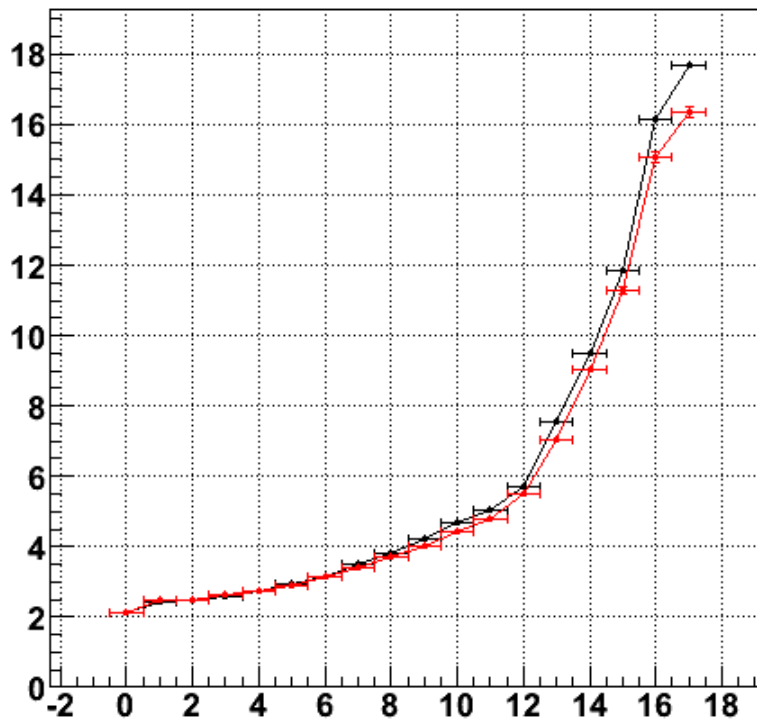
Data/MC number of clusters in tower 2



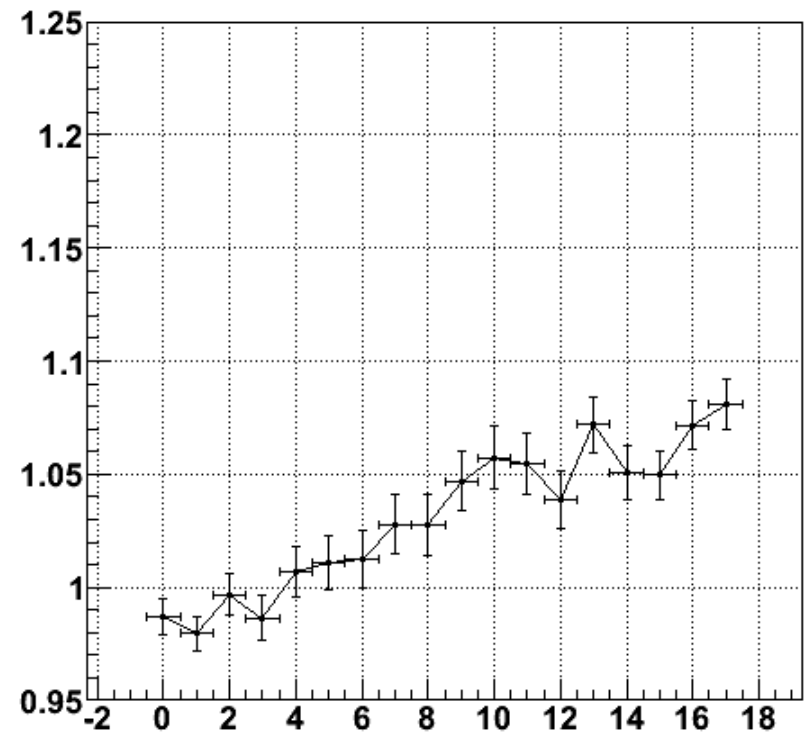
10 GeV on-axis electrons

CalELayer0 : ~ +16%

Number of clusters in tower 2

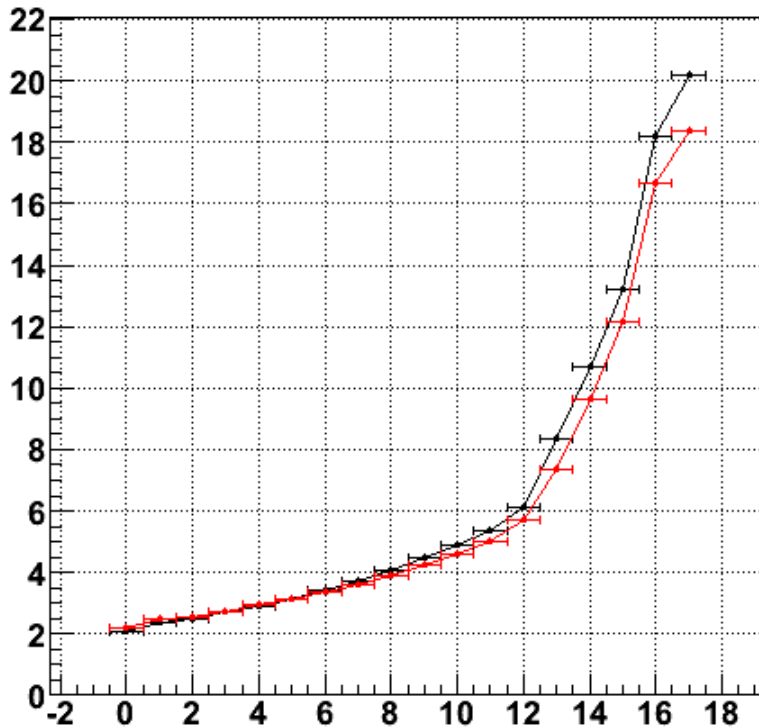


Data/MC number of clusters in tower 2



20 GeV on-axis electrons

Number of clusters in tower 2



Data/MC number of clusters in tower 2

