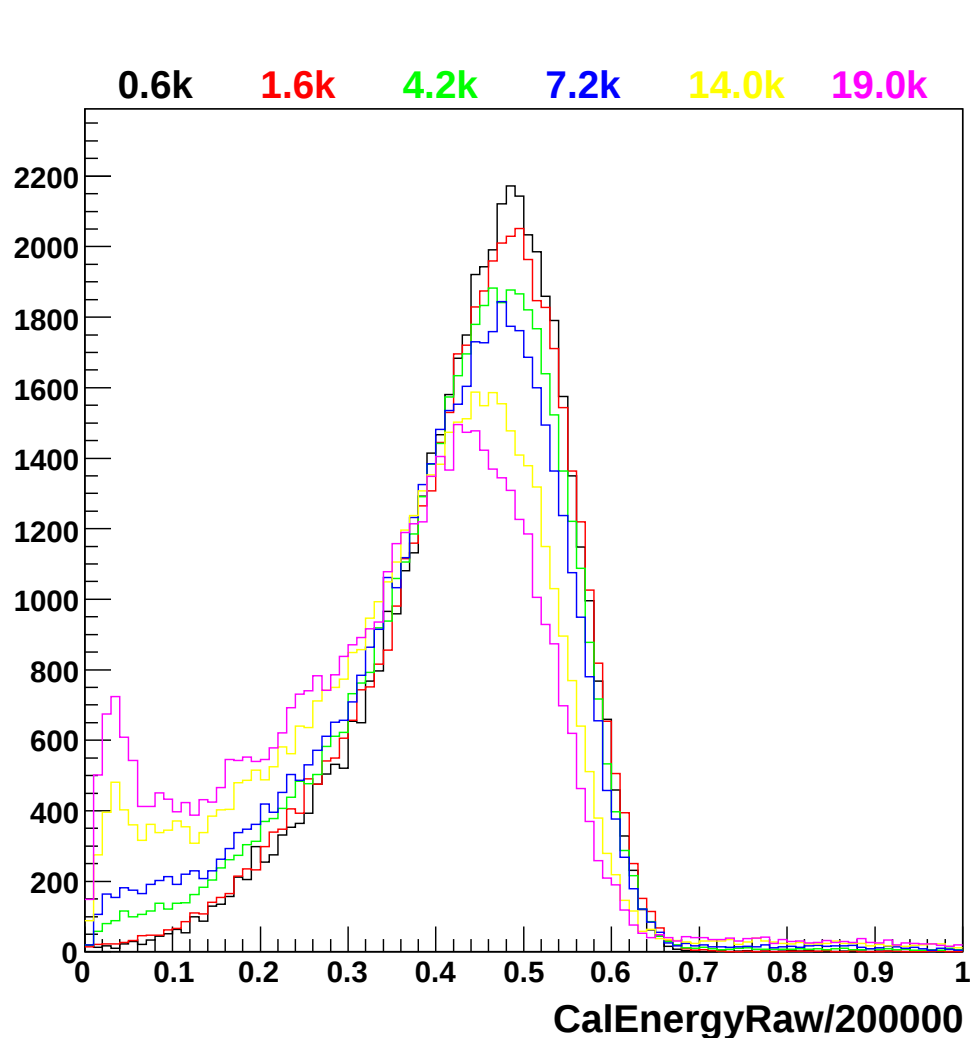


Pedestal drift effect

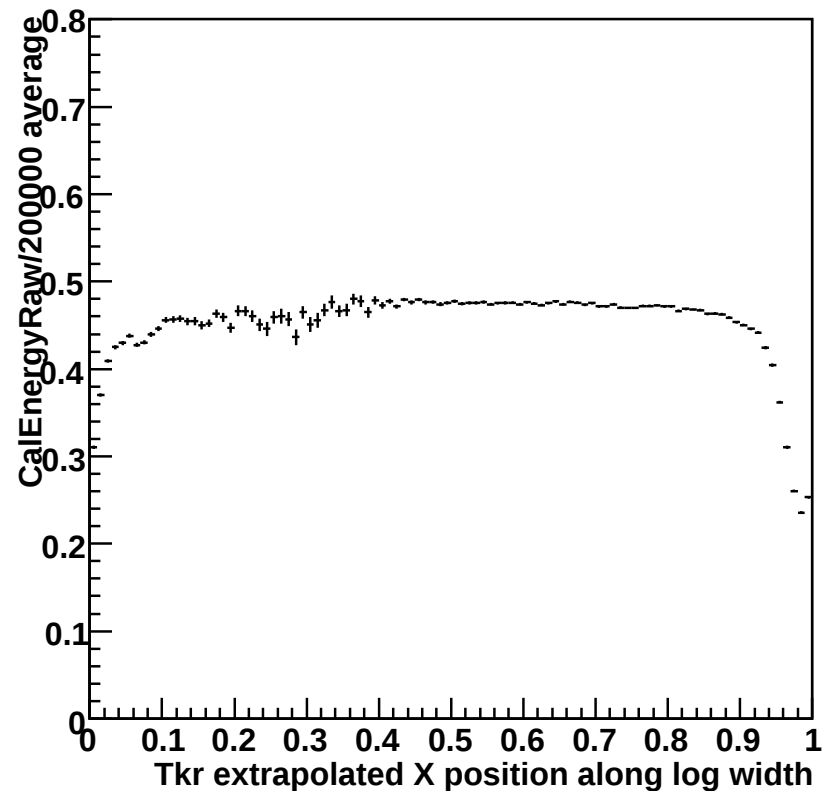
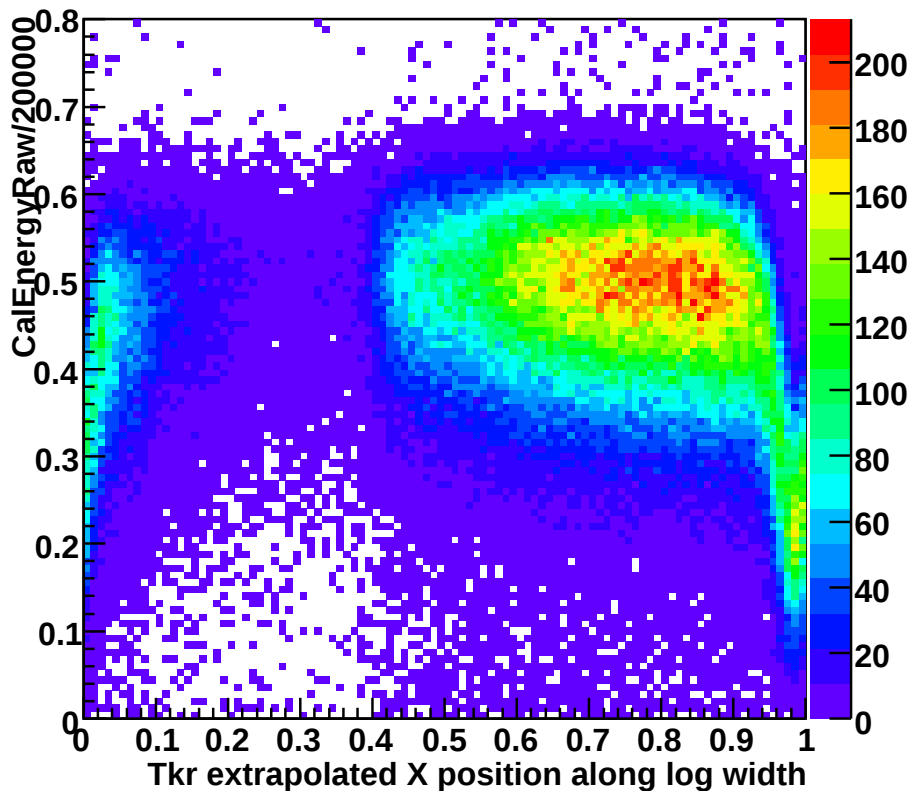
100 GeV electrons runs at different trigger rate (runs 1782 to 1787)
⇒ the maximum trigger rate was set to ~ 200 Hz during a spill



Inter-log effect

200 GeV electrons in the center of the towers at 0 deg

⇒ Be careful when comparing energy histograms between data and simulations !

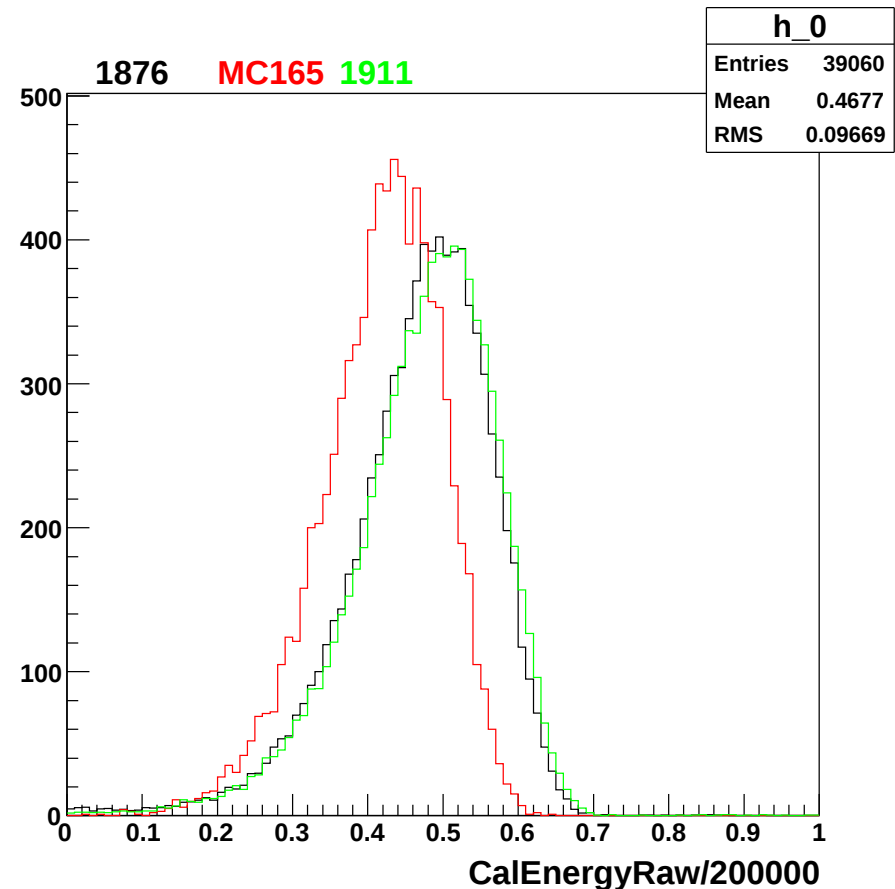
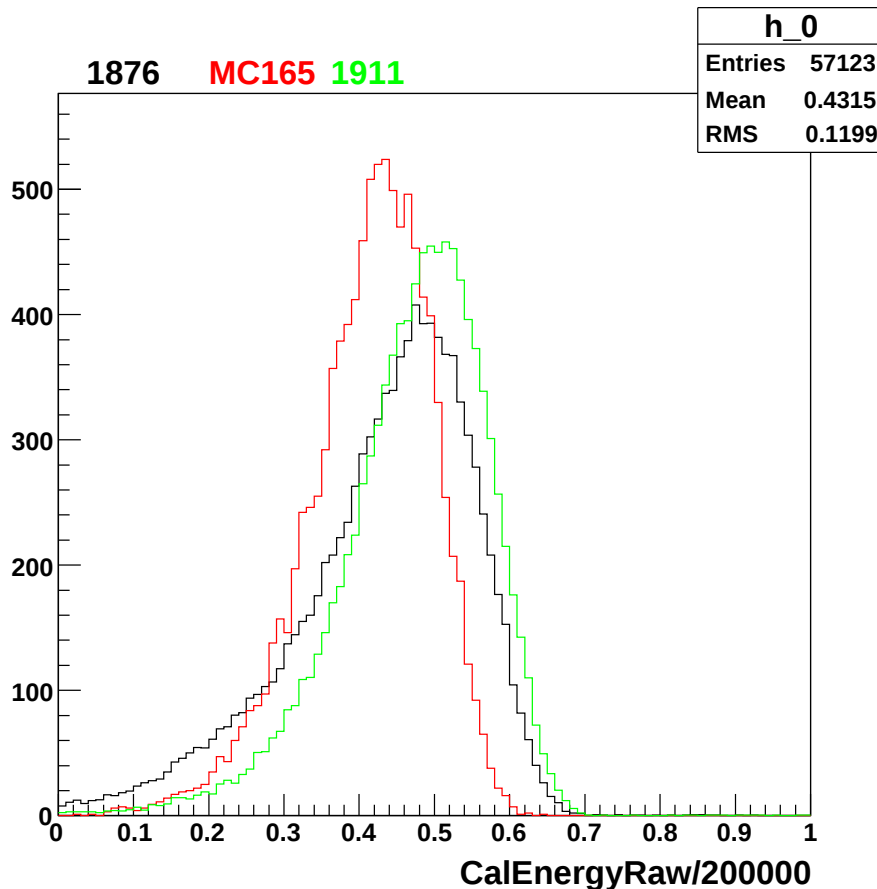


CalEnergyRaw Data/MC

200 GeV electrons in the center of the towers at 0 deg

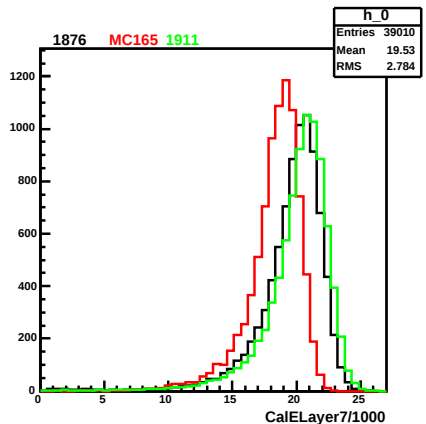
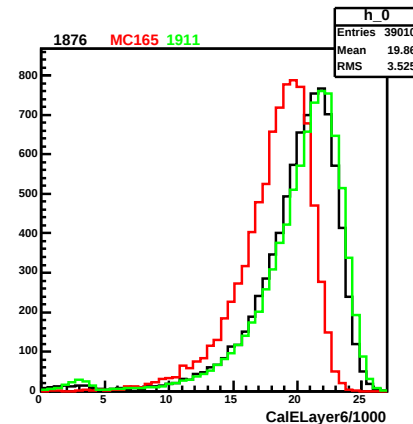
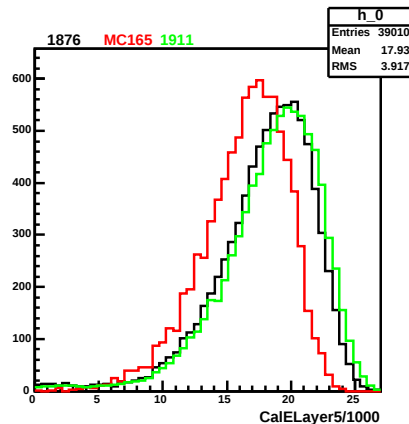
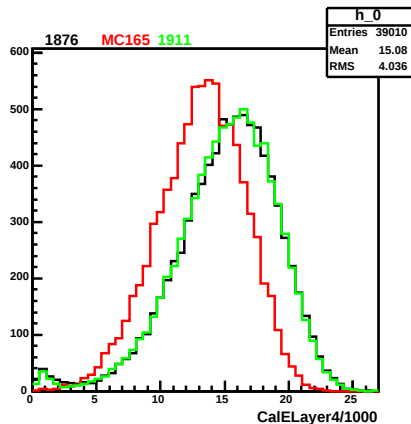
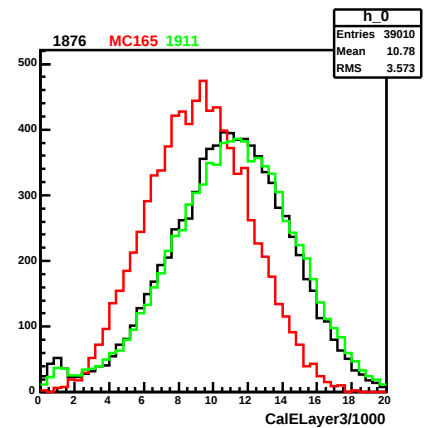
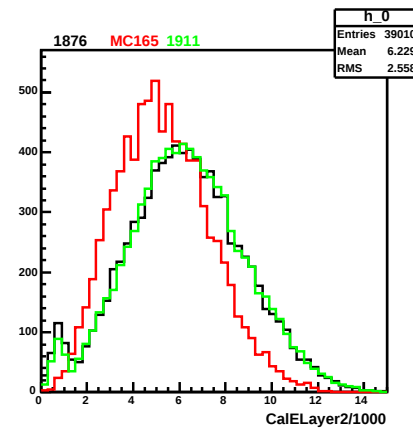
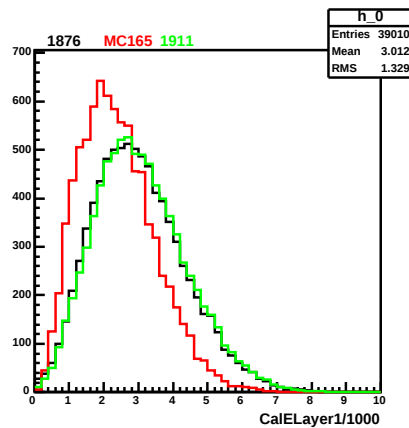
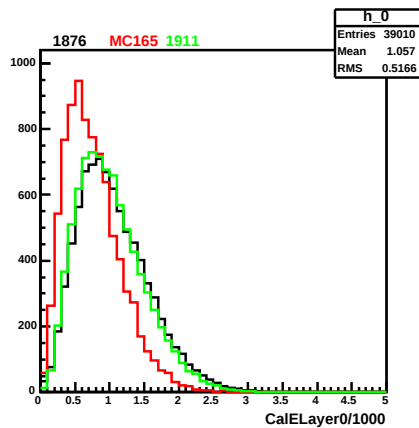
Left : no interlog rejection. Right : interlog rejection.

⇒ The data runs difference disappears but still 10% less energy in the simulation



CalELayer Data/MC

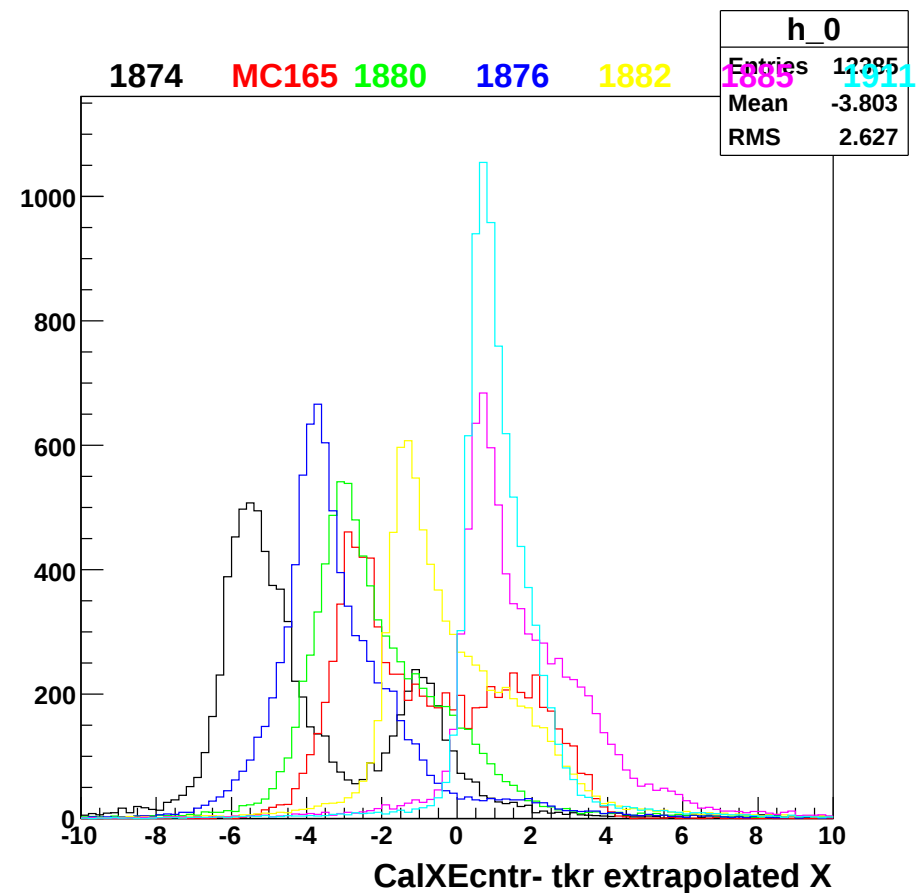
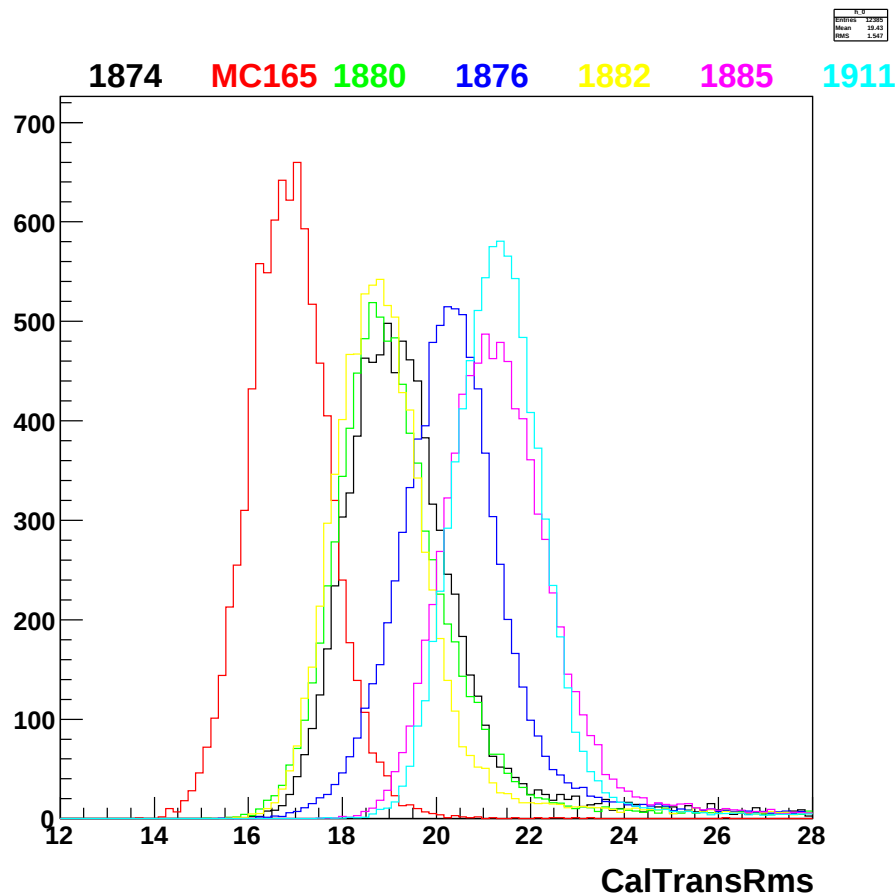
200 GeV electrons in the center of the towers at 0 deg
⇒ about 10% less energy in the simulation in all layers



Shower measurement Data/MC

Wrong energy calibration should/could be related to wrong position measurement in the cal

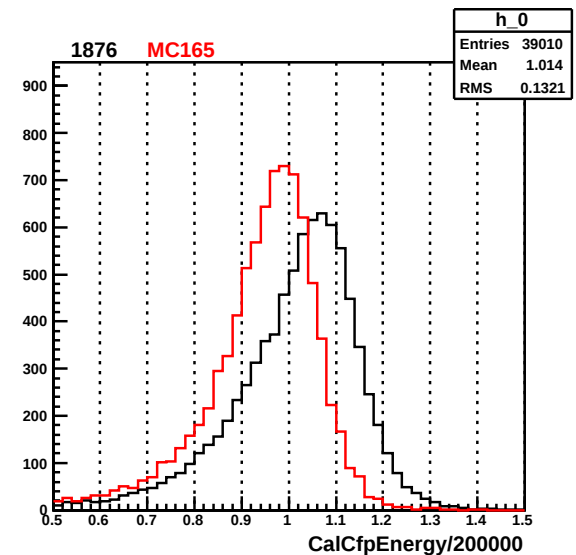
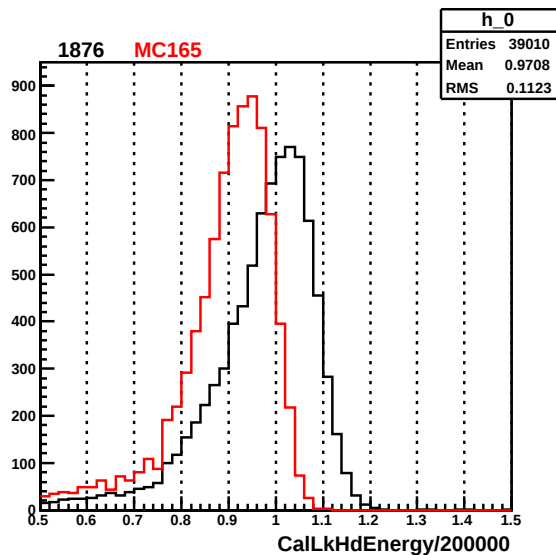
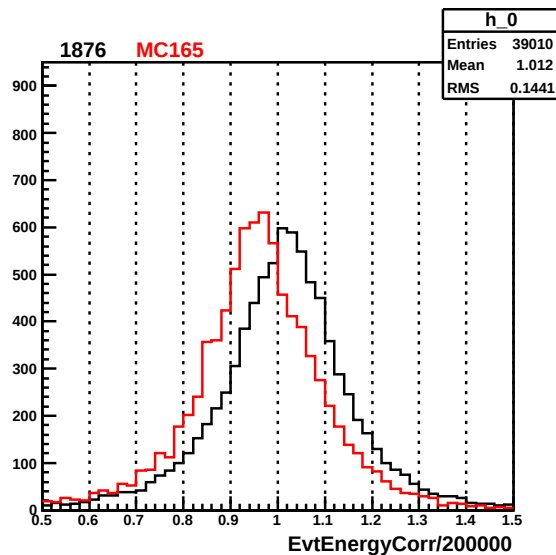
⇒ Hoping that LE2HE cross-talk will cure all this !



Energy reconstruction algorithms

200 GeV electrons in the center of tower 3 at 0 deg

⇒ Keep in mind that we have a 10% calibration problem !



Pion contamination at 50 GeV

MIP peak : 550 evts

interacting pions : 1200 evts

⇒ pion contamination < $(550+1200)/46000 = 4\%$

