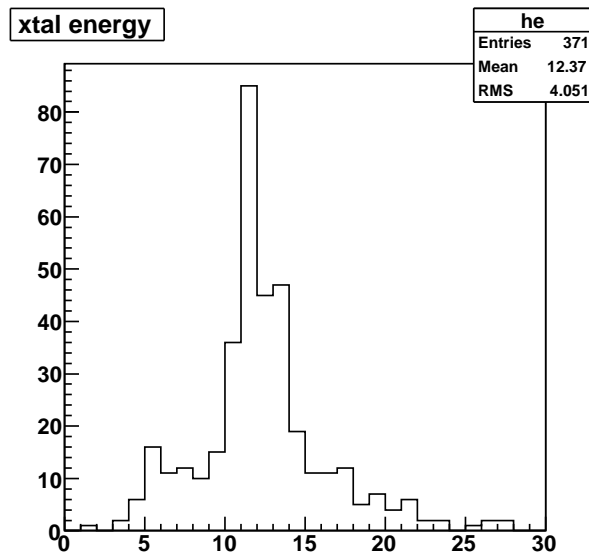
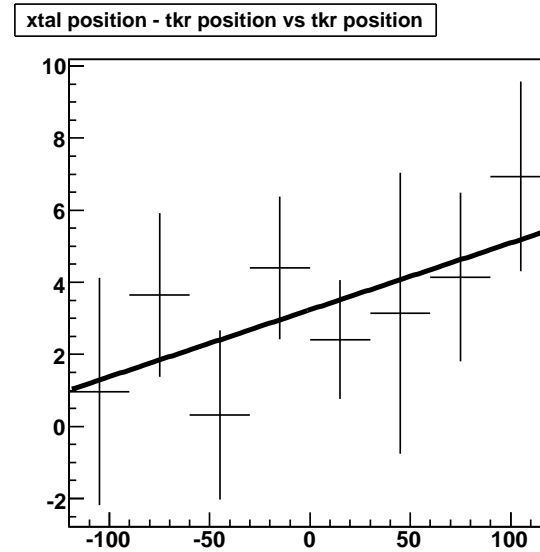
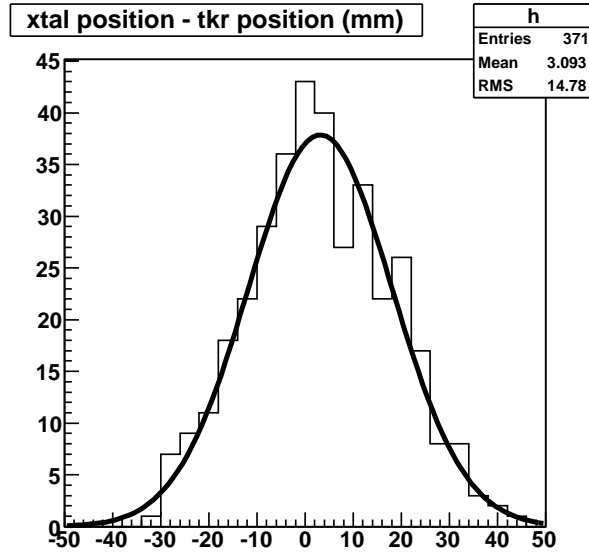


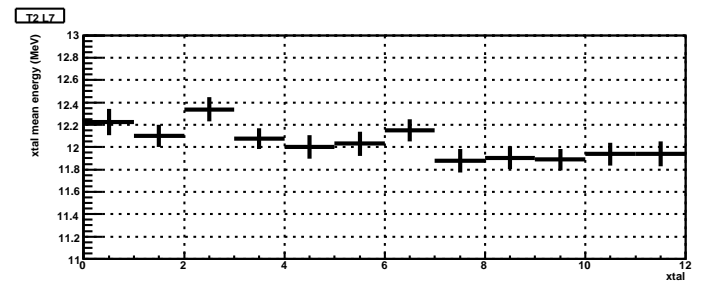
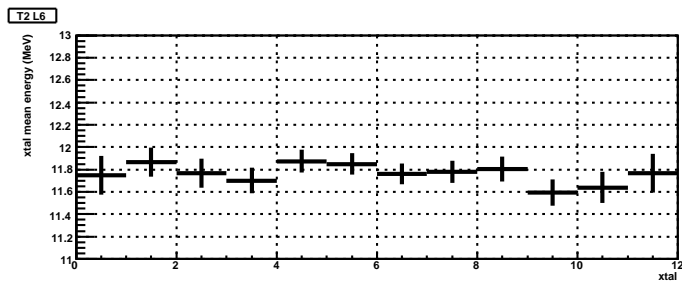
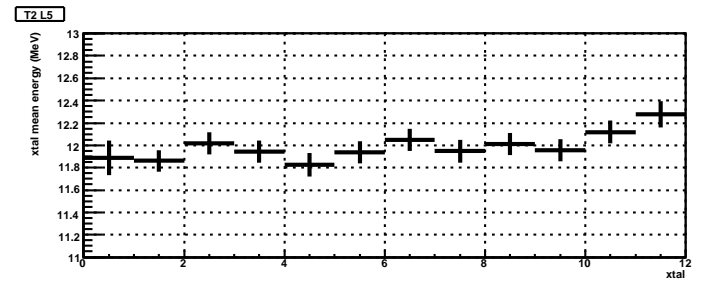
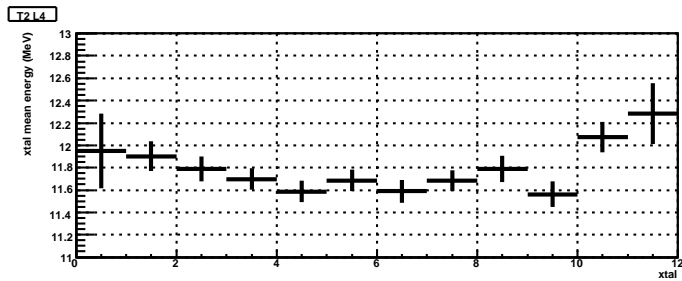
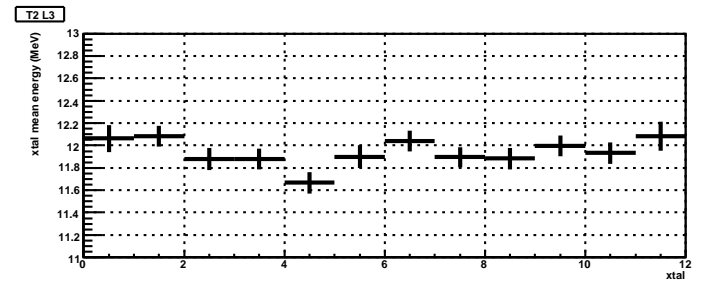
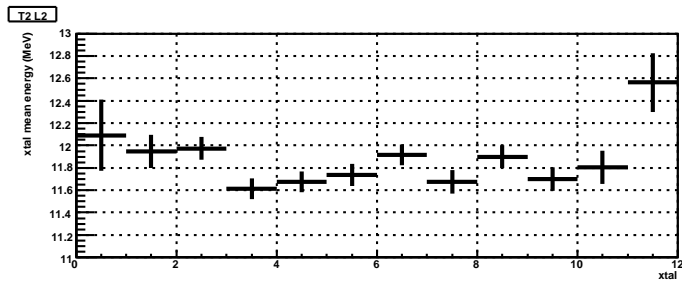
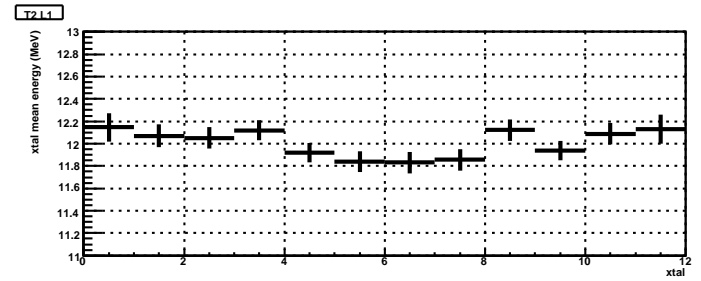
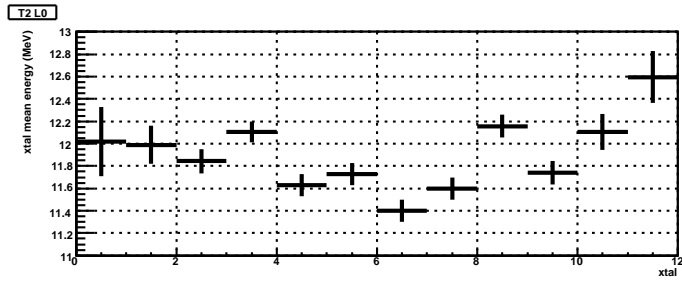
Muon calibration check

- try to check how precise is the position measurement
- only CU horizontal runs (700002462,2463)
- Tkr1ZDir<-0.9 and CalEnergyRaw cut

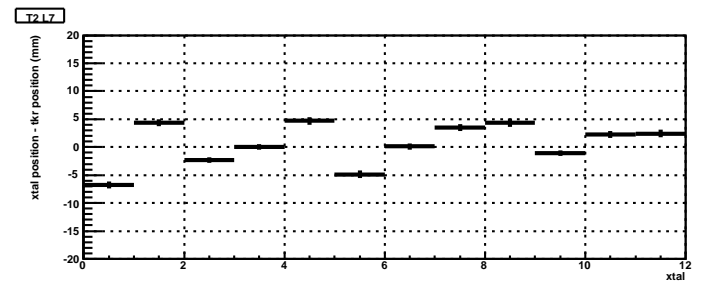
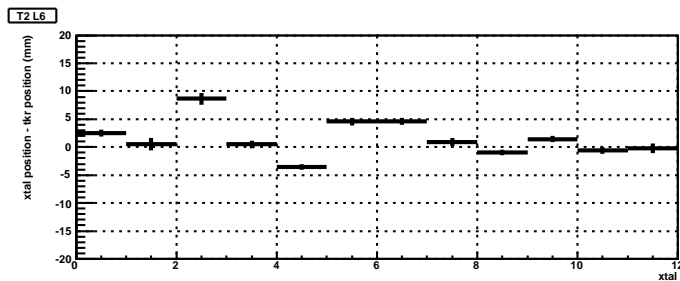
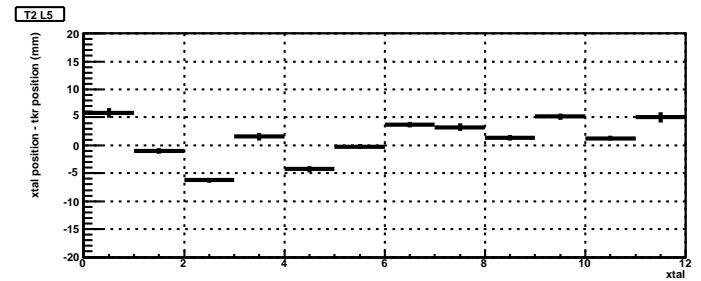
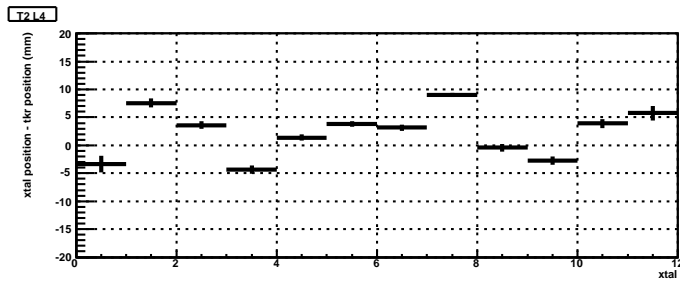
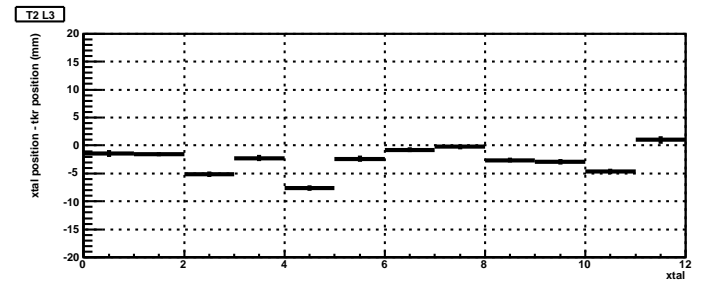
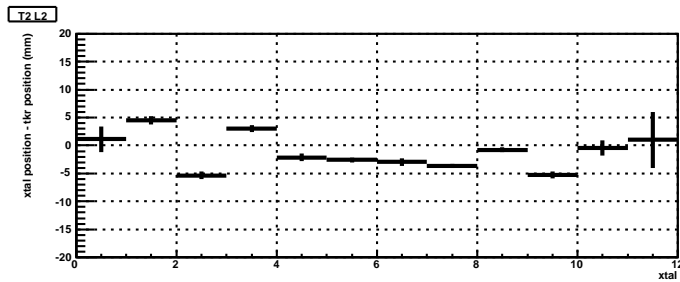
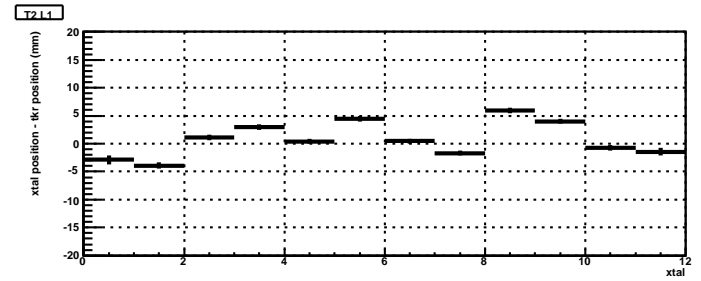
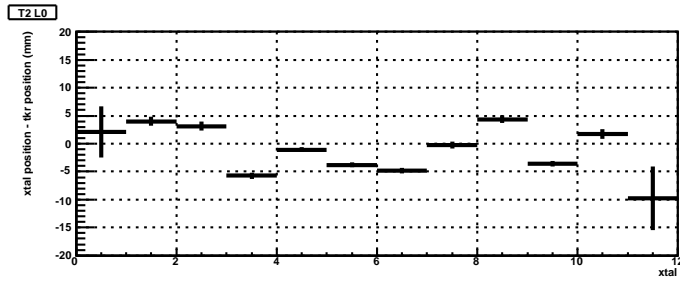
For each crystal



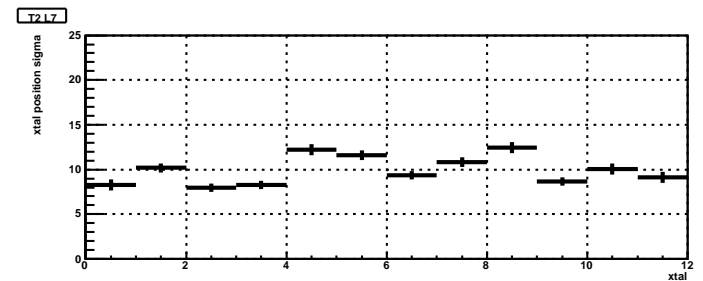
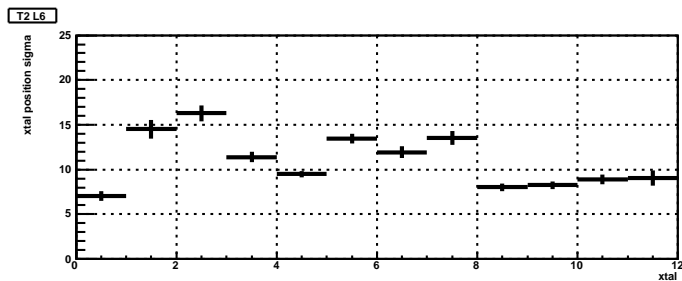
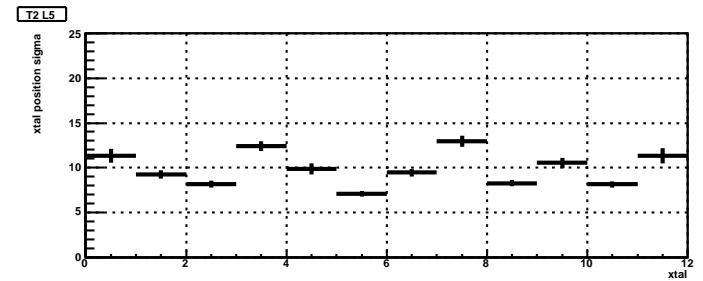
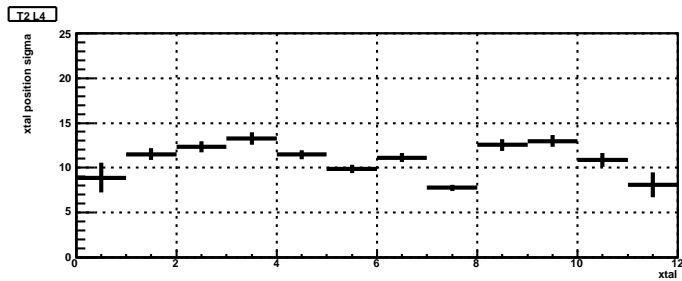
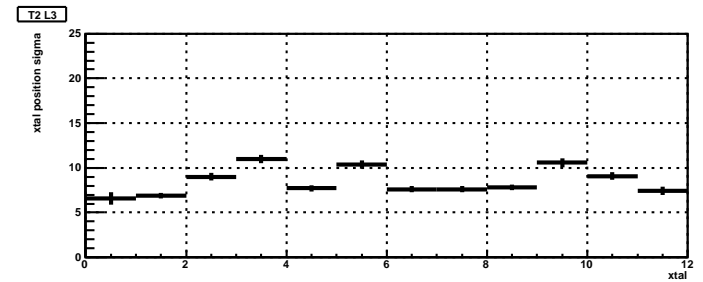
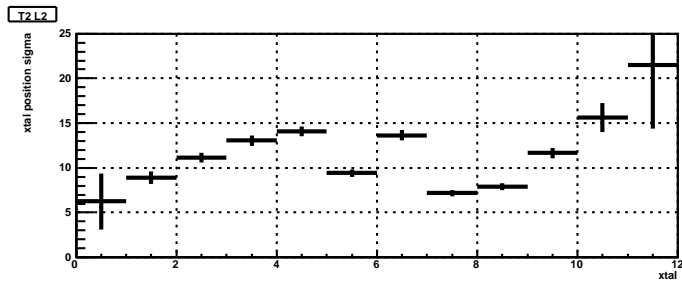
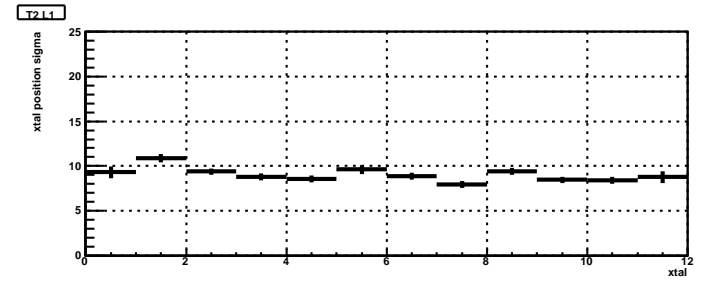
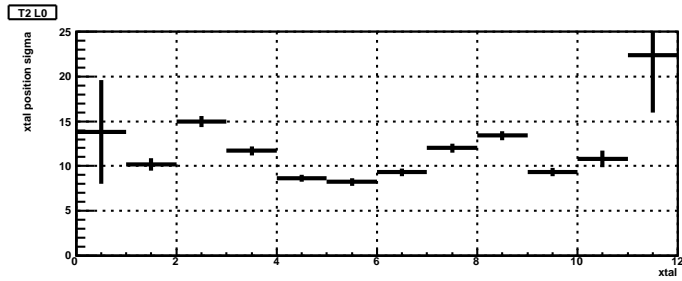
Energy



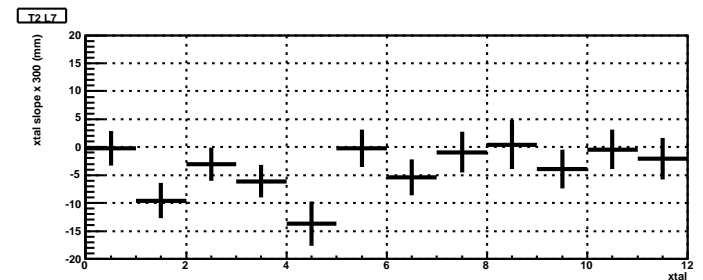
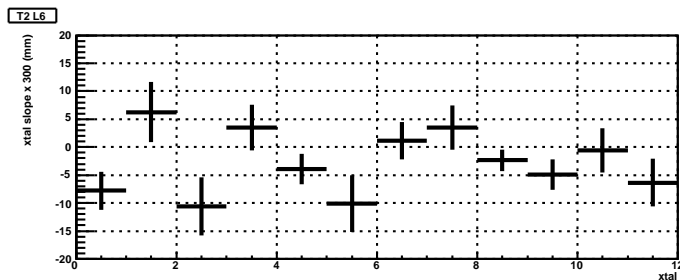
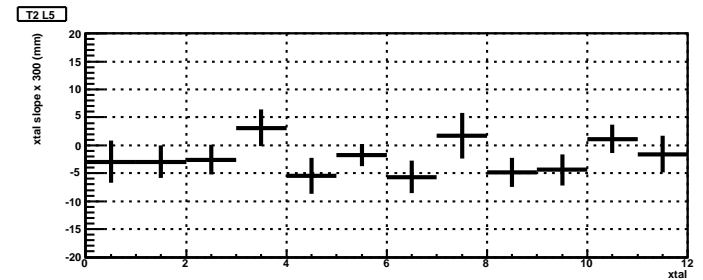
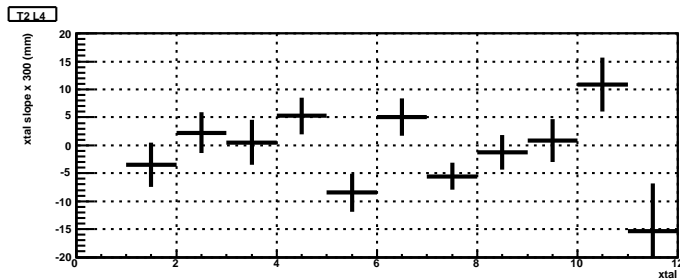
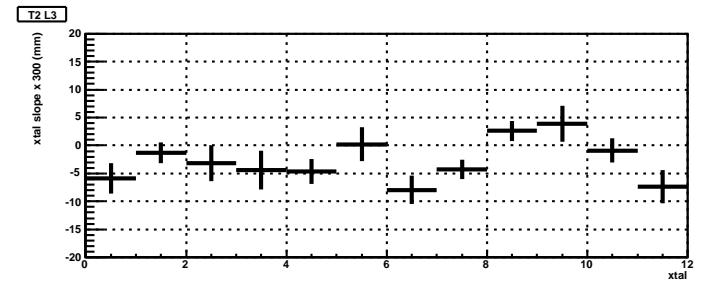
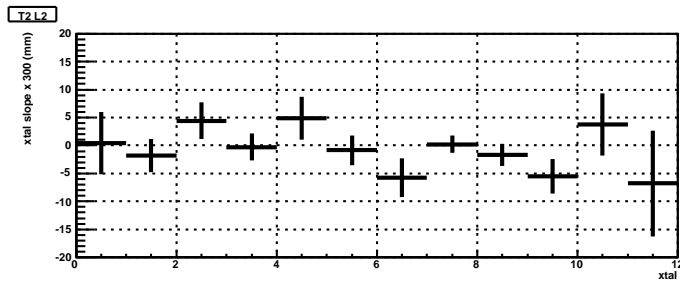
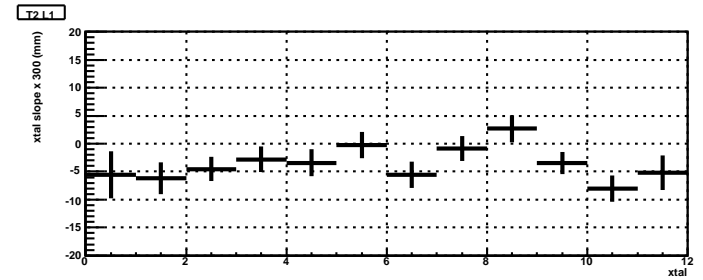
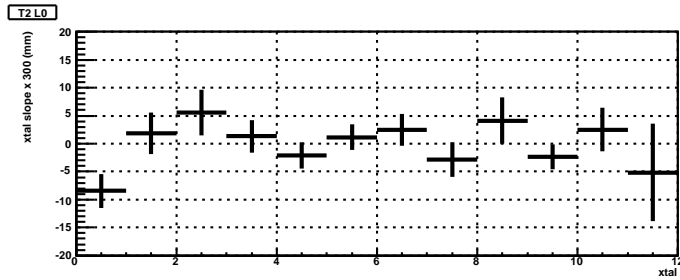
Position mean



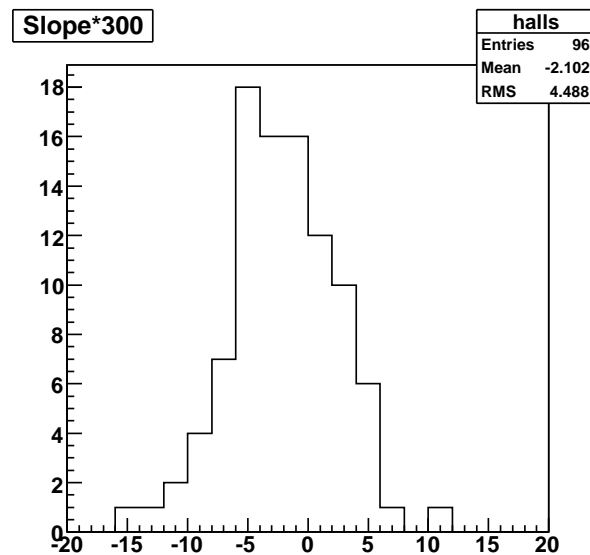
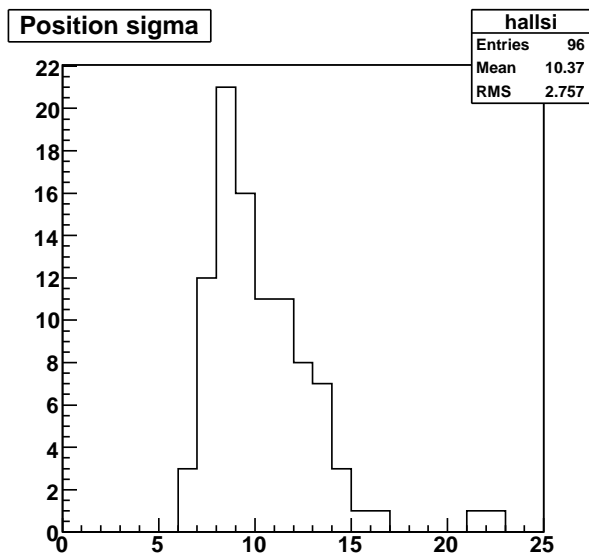
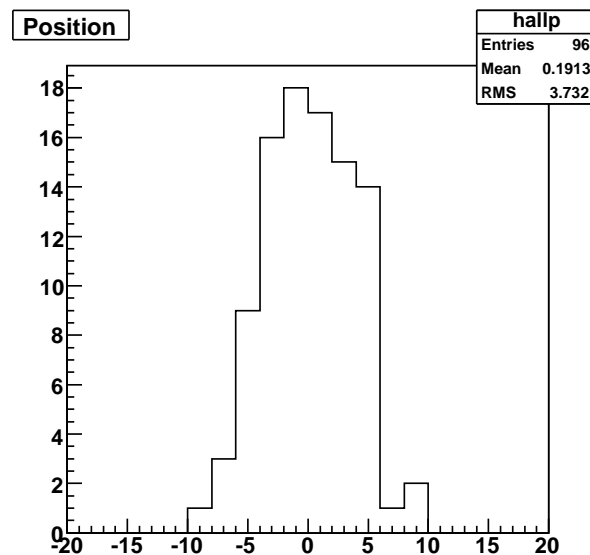
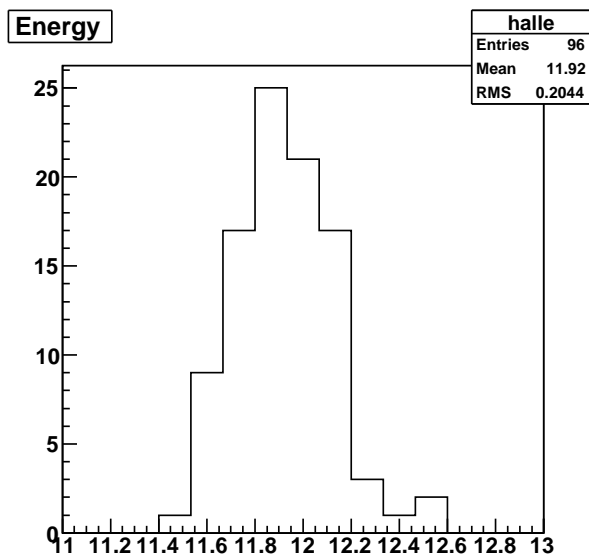
Position sigma



Position slope $\times 300\text{mm}$

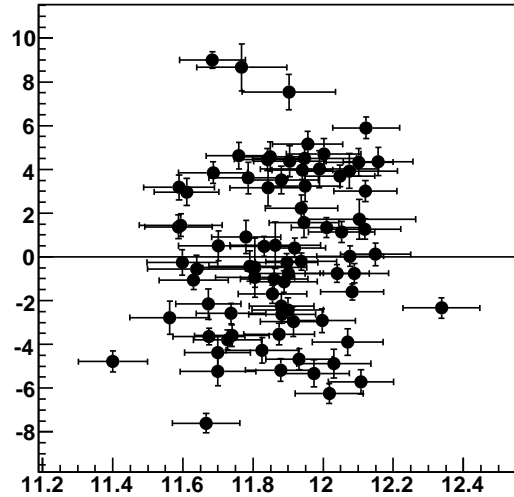


Summary tower 2

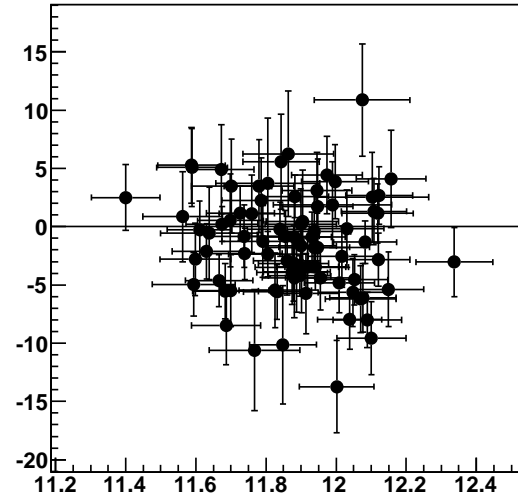


Correlations tower 2

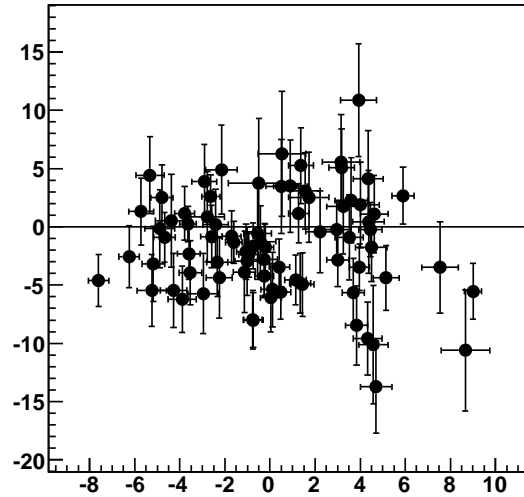
Mean position vs energy



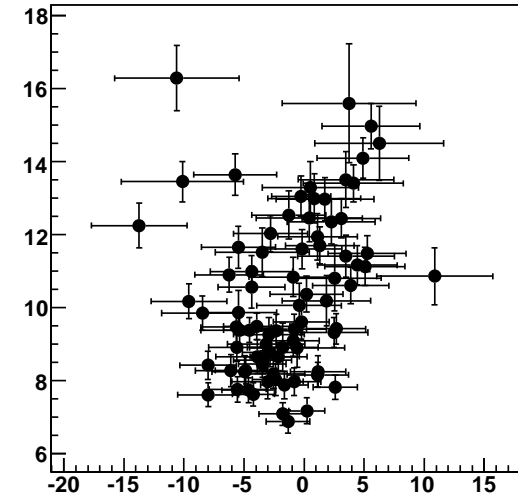
Slope*300 vs energy



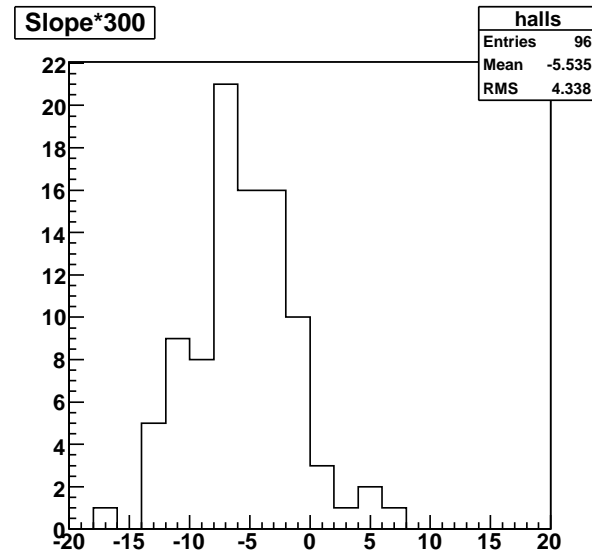
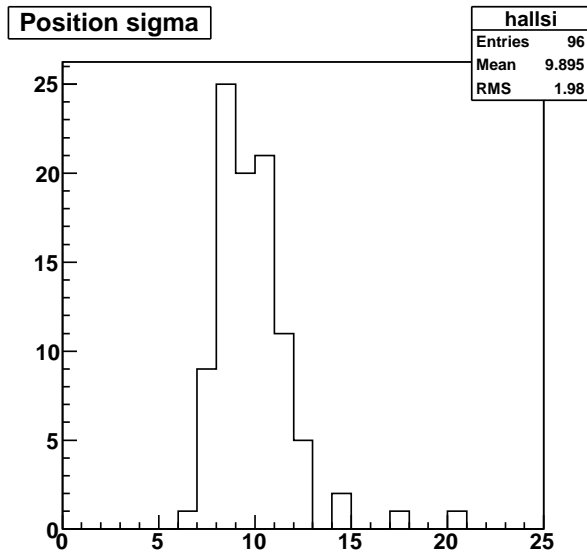
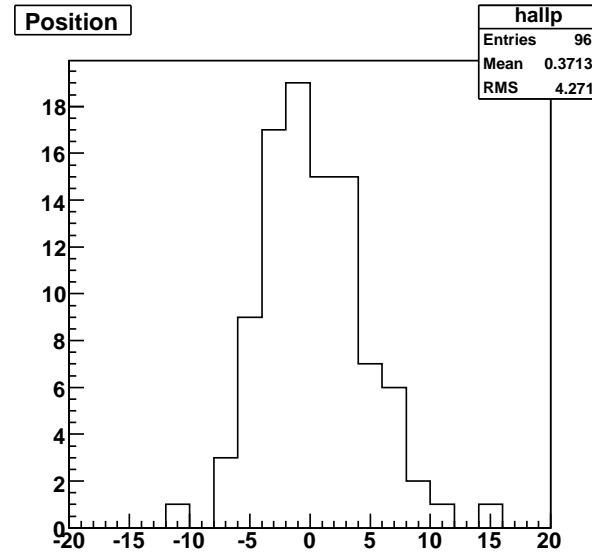
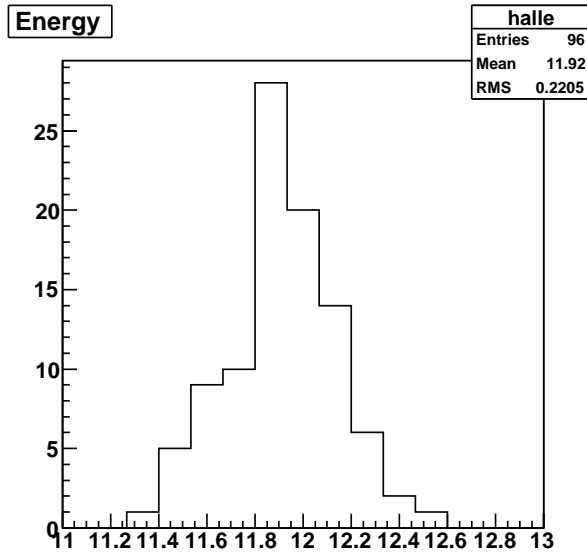
Slope*300 vs mean position



Position sigma vs slope*300

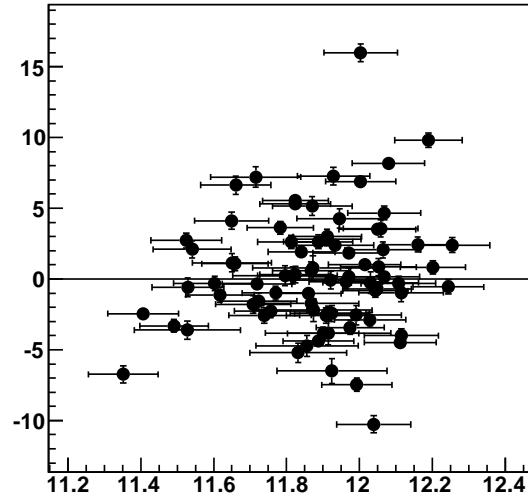


Summary tower 3

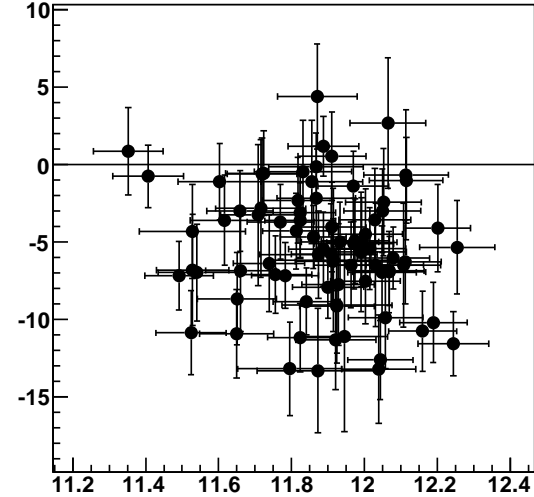


Correlations tower 3

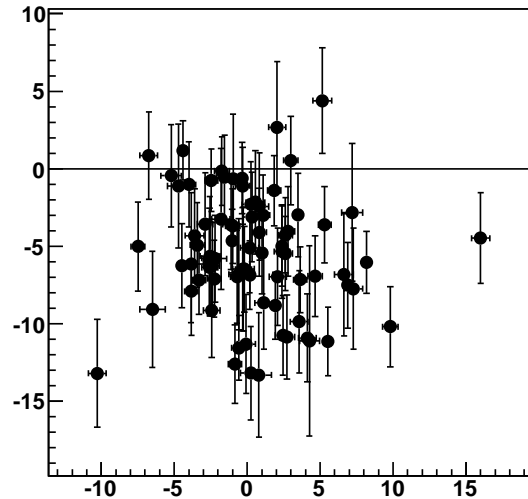
Mean position vs energy



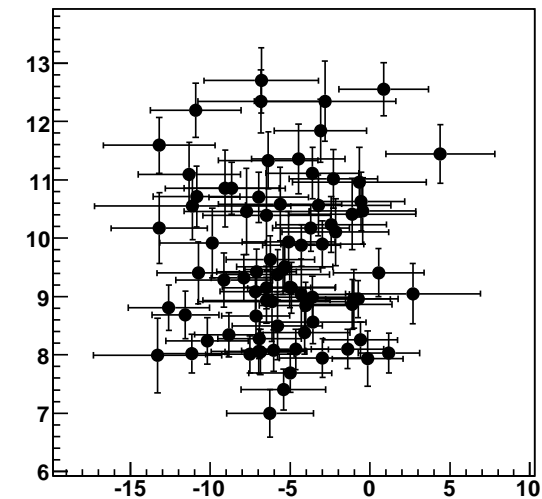
Slope*300 vs energy



Slope*300 vs mean position



Position sigma vs slope*300



Conclusion

- need to analyse the CU vertical runs (700000491 to 500) : problems with processing the data
- naive question to Santa Claus (or rather to Babbo Natale..) : is it possible to put the CU in the vertical position and take cosmic data ?