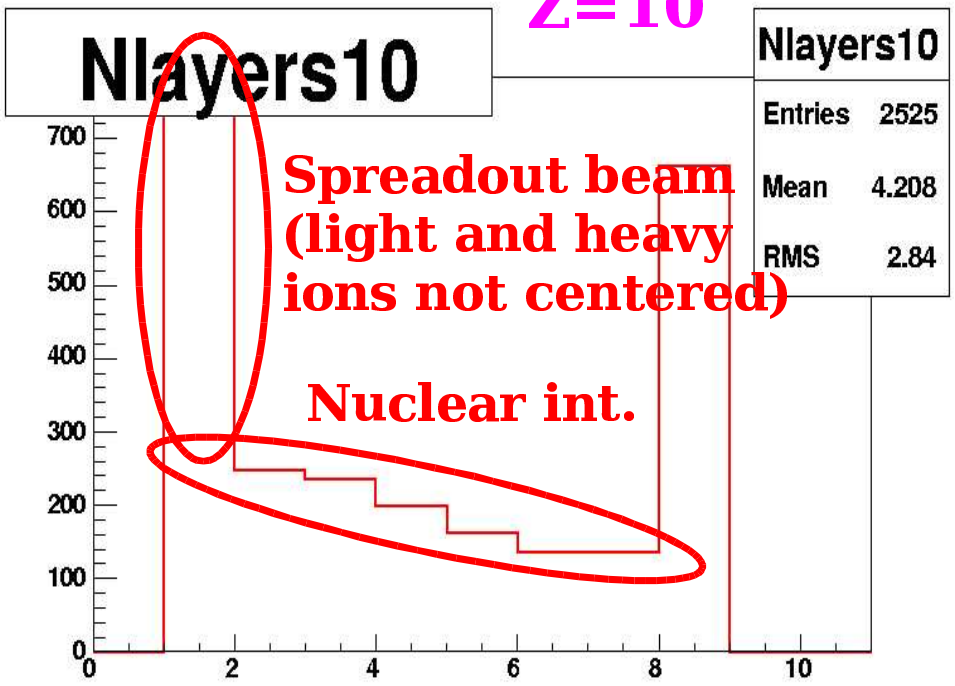
Report from Montpellier 2005-12-14 :

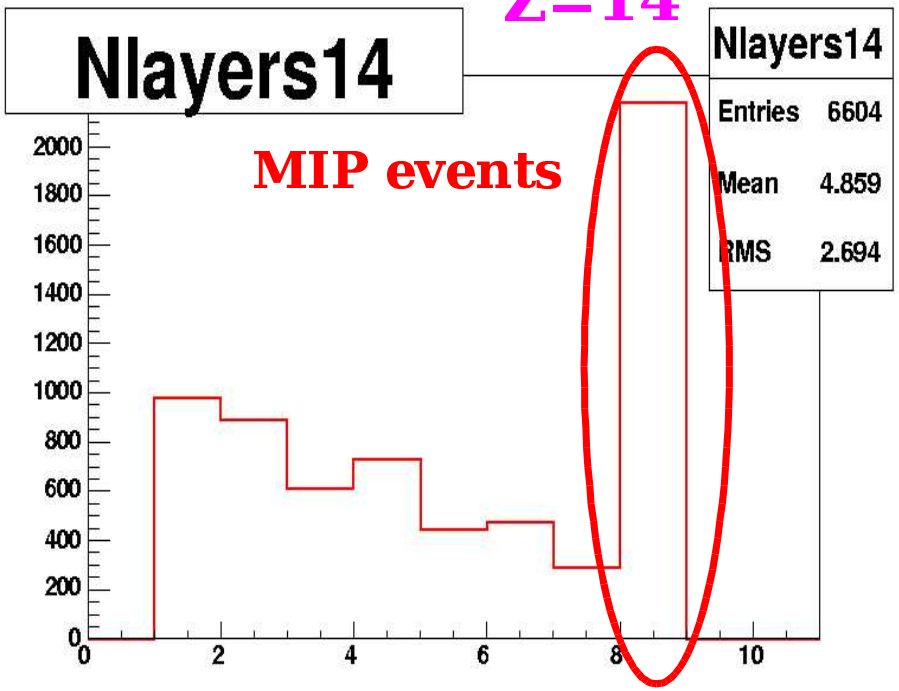
0/ run 46 (Cocktail , 4-Range , 6*6)
using FP calibration for 6*6 logs
1/ compute multiplicity in each layers
Nadc(L,R) > 16*pedestalWidth(L,R) (~ 3 MIP in Range2)
2/ compute Nlayers = number of consecutive hits with :
- multiplicity[ilay] = 1
- Log number = 6
- El < Edep < Eh (Eh/l=EPeak(Z,ilay) +/- 3*Sigma(Z,ilay))

Nlayers>0 :

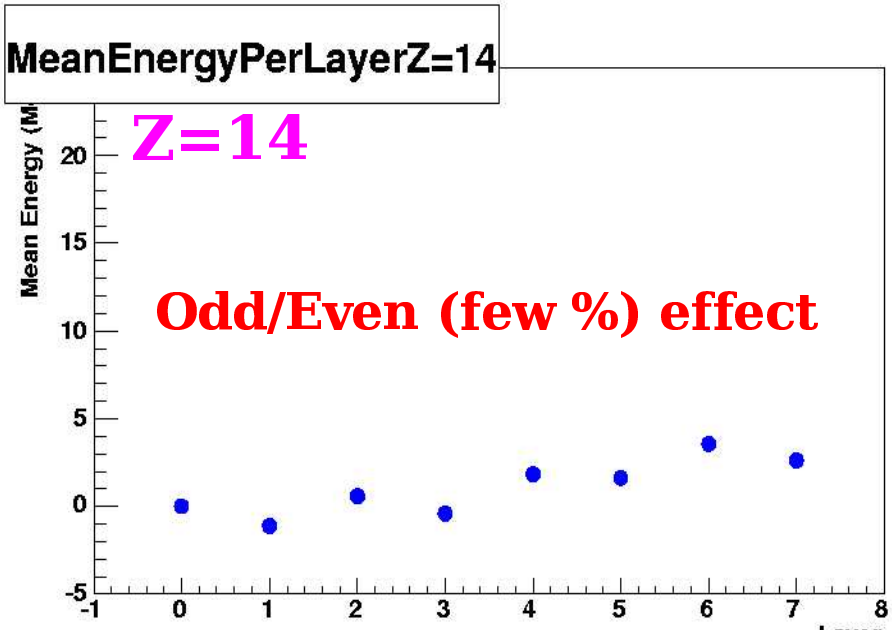
Z=10

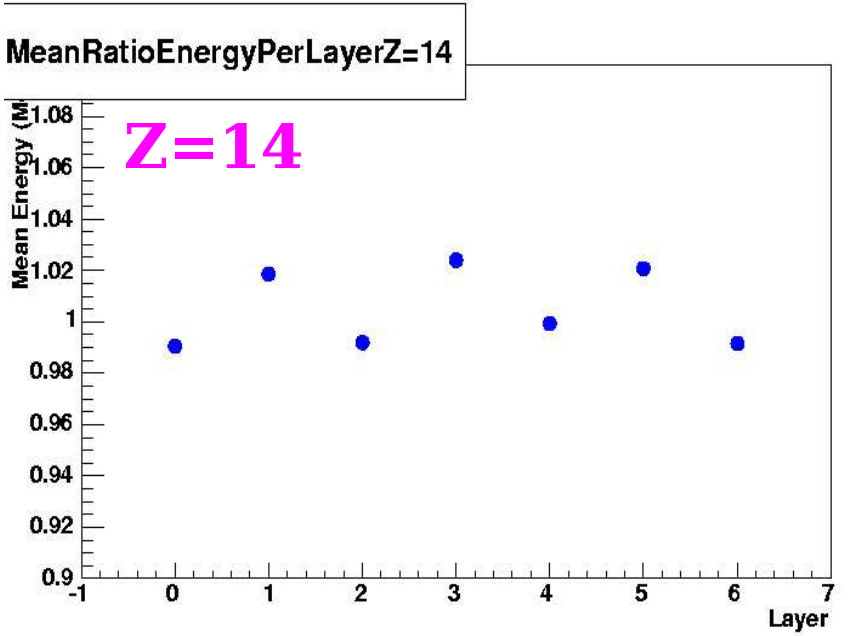


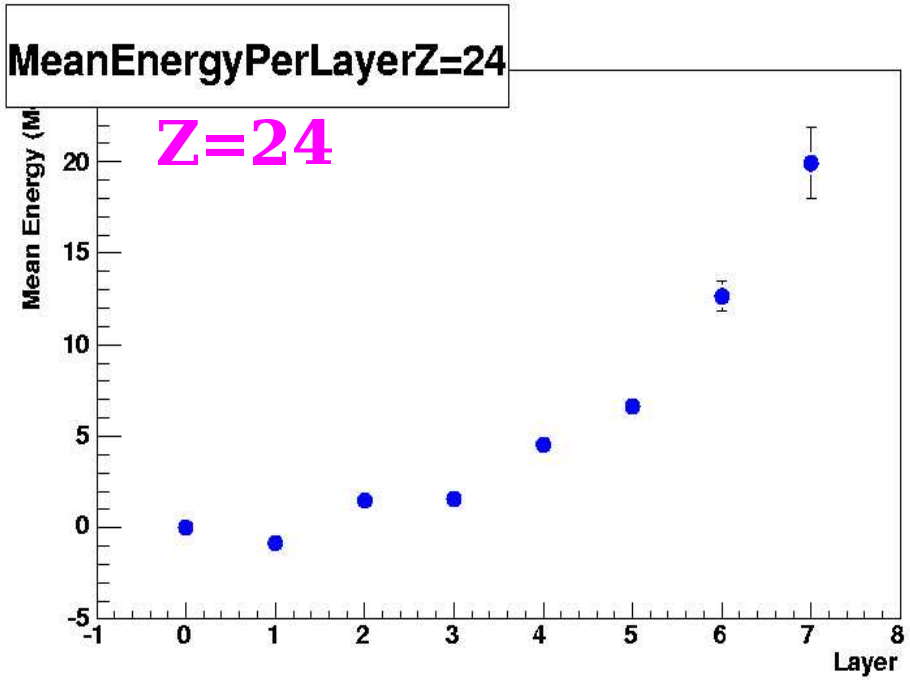
Z=14

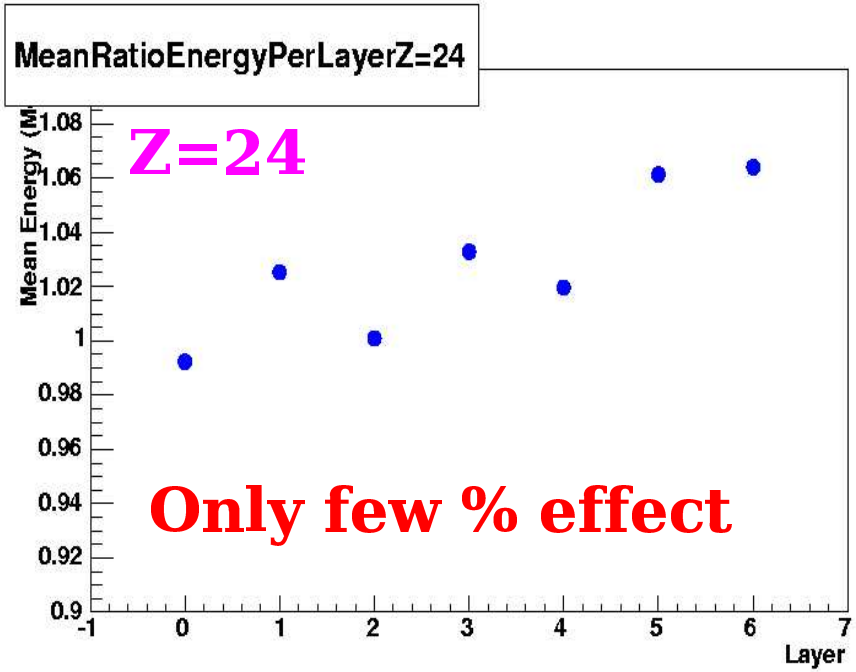


3/ Mean deposited energy and Mean Edep(ilay+1)/Edep(ilay) (in % from Edep in layer 0)



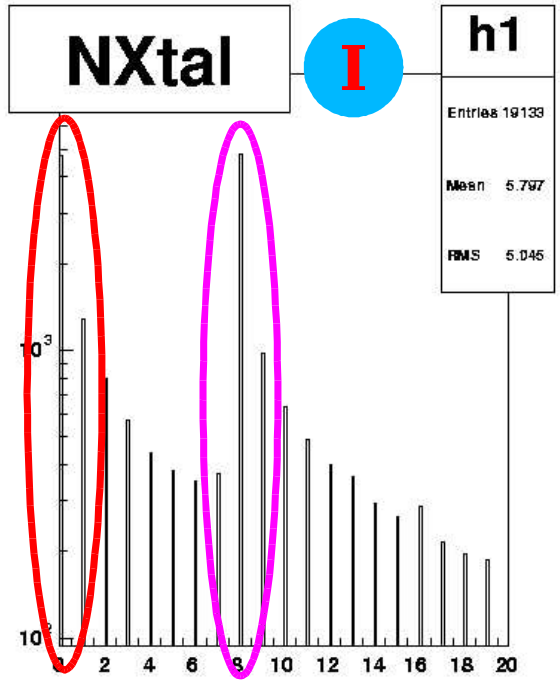


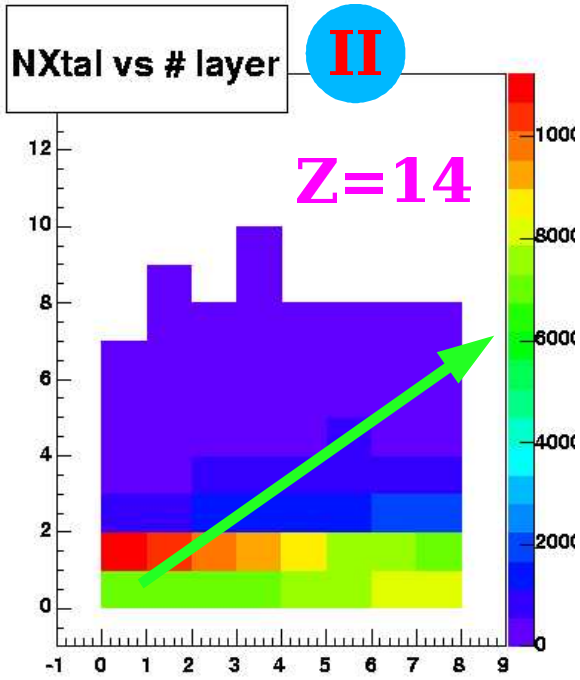




4/ Problem with Nlayers =0 :

Run 46

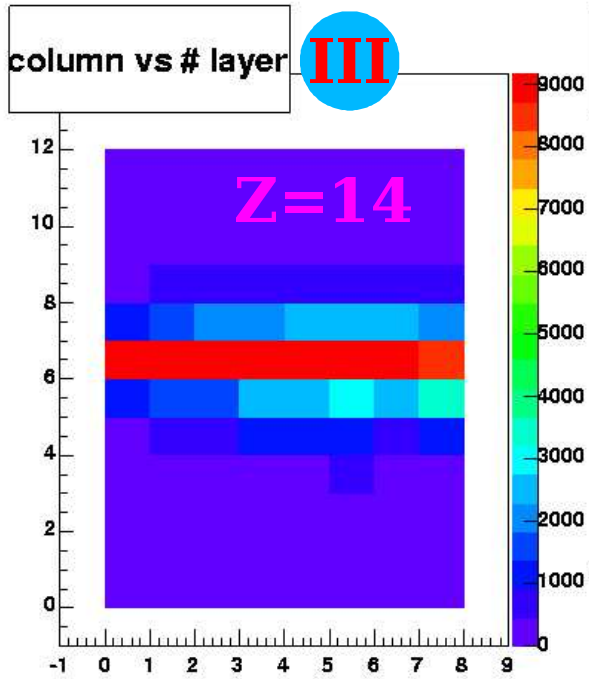


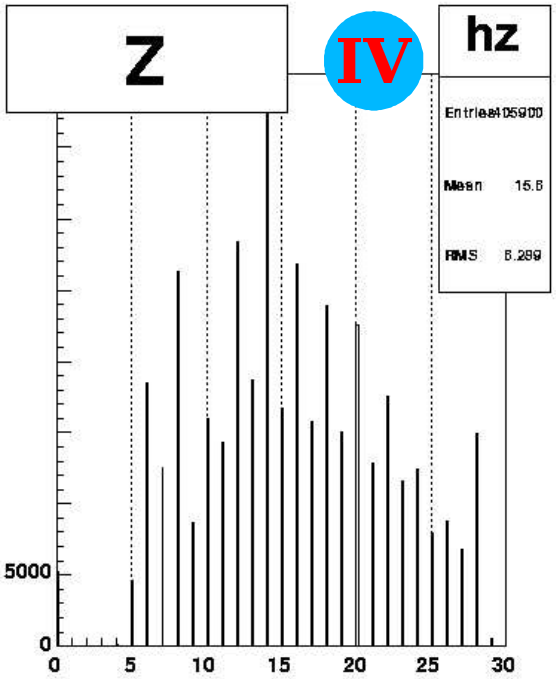


~ 30% of events have no signal in layer 0

~ 35% satisfy criteria

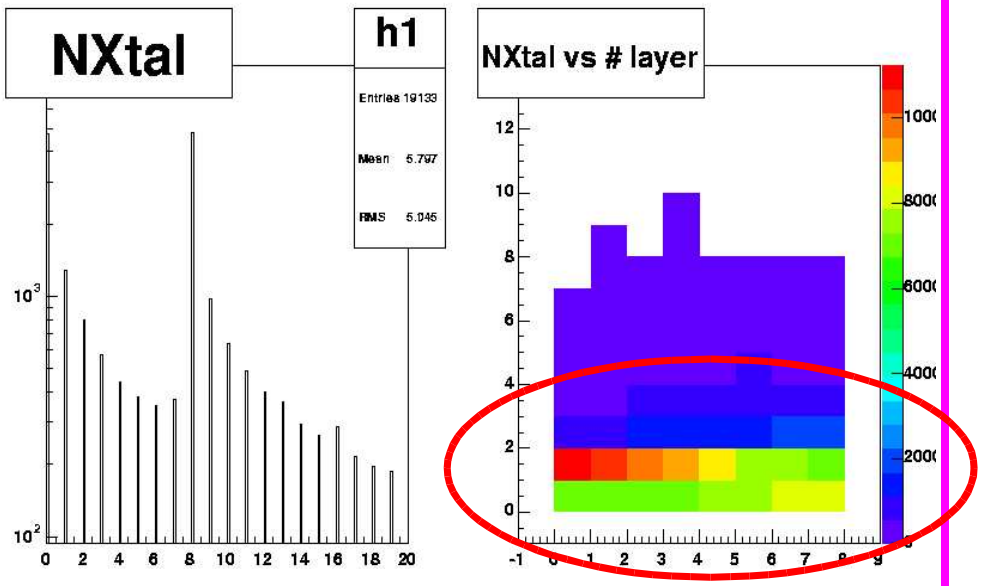
~ 35% do not

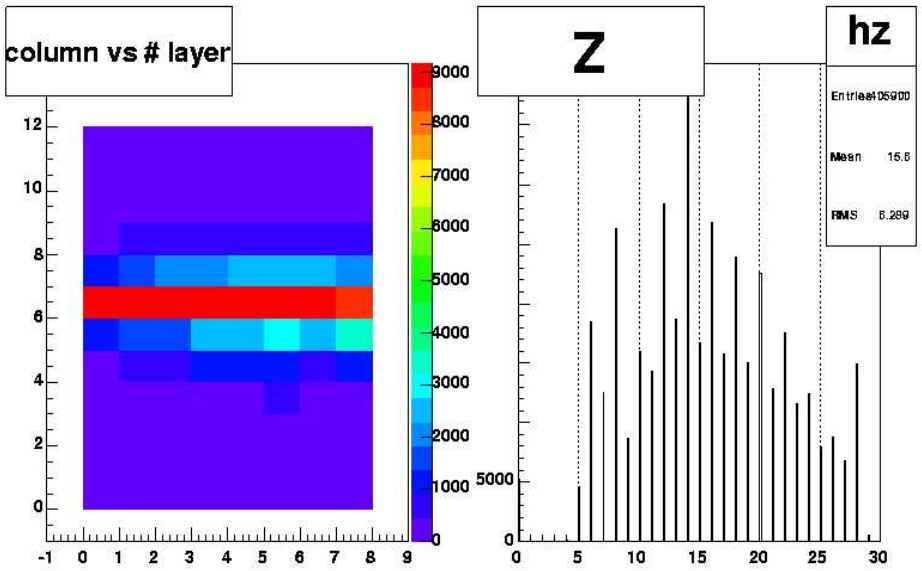




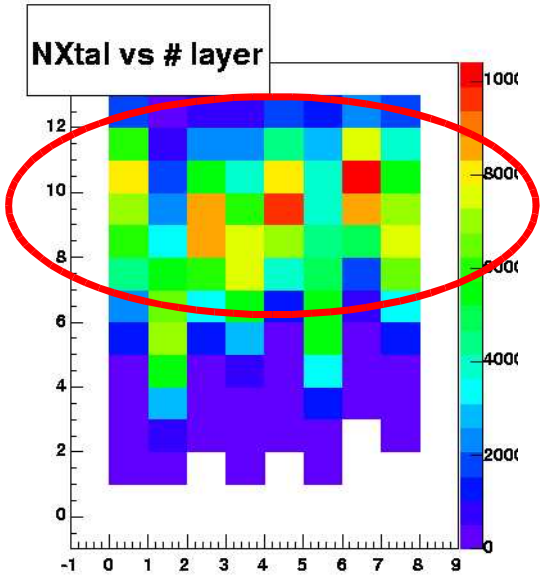
And run 186 ?

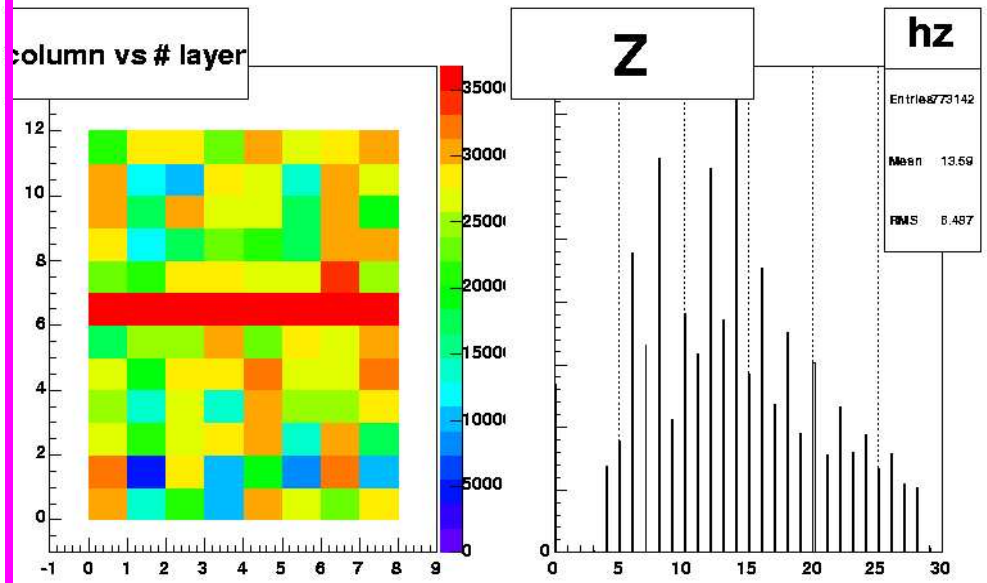
Run 46 Z=14





Run 186 (Same criteria)





Results for Efficiency and Purity (with Nlayers>0) :

Run=46, Z=14

	Efficiency	Purity
Layer 0	0.61	0.92
Layer 1	0.52	0.96
Layer 2	0.41	0.96
Layer 3	0.36	0.97
Layer 4	0.27	0.97
Layer 5	0.24	0.97
Layer 6	0.20	0.97

Next step :

-> switch to Sacha calibration of the EM

-> study multiplicities in run 186, spectra

-> keep other logs than 6*6