

Report from Montpellier 2006-02-01 :

0/ solved problems with run 186 (Cocktail , autorange , 6*6)
using FP calibration for 6*6 logs + SC calibration for clustering

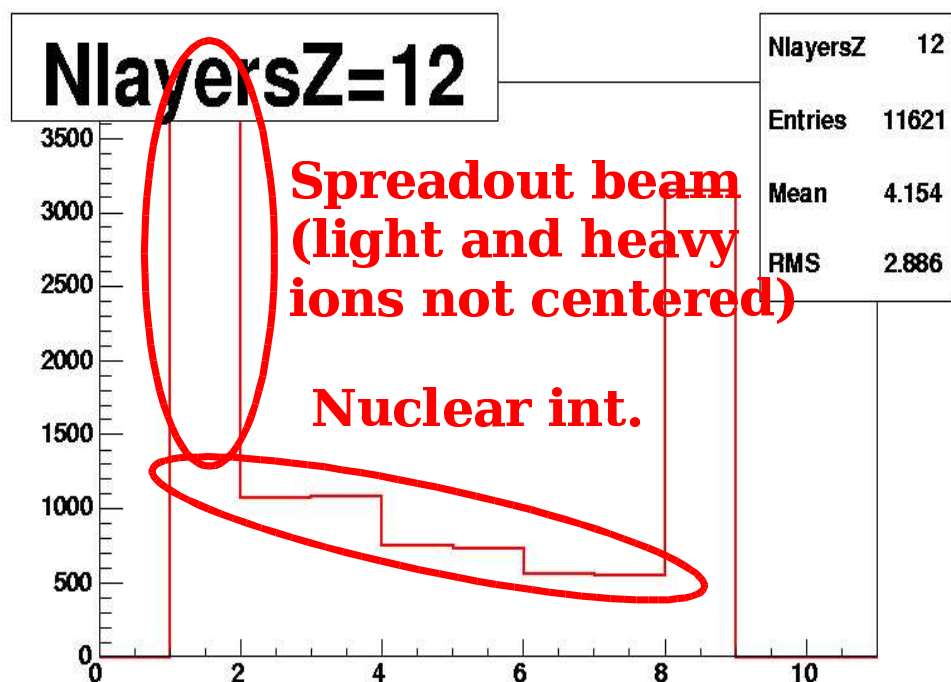
1/ clustering computes multiplicity in each layers

2/ compute **Nlayers** = number of consecutive layers with :

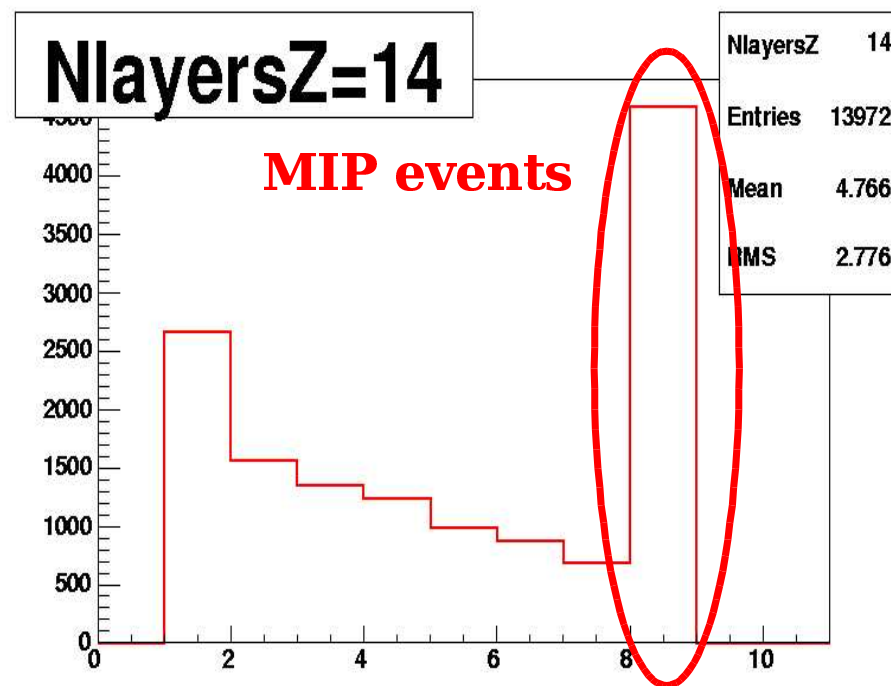
- $nClu[ilay] = 1$ and $CluNXtal \leq 2$
- Log number = 6
- $E_l < E_{dep} < E_h$ ($E_h/l = E_{Peak}(Z, ilay) \pm 3 * \text{Sigma}(Z, ilay)$)

Nlayers > 0 :

Z=12

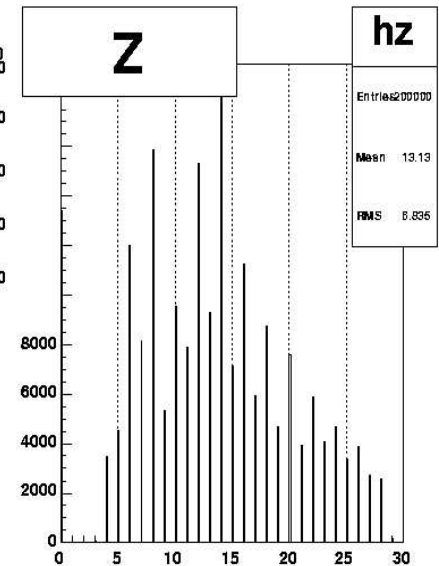
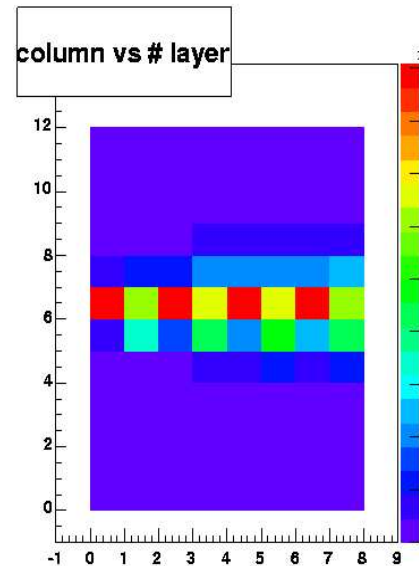
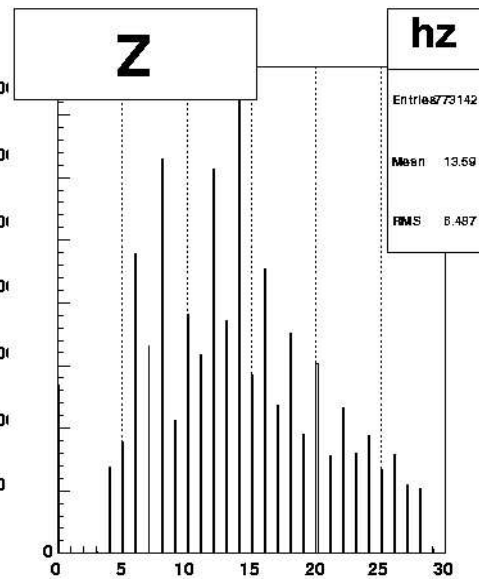
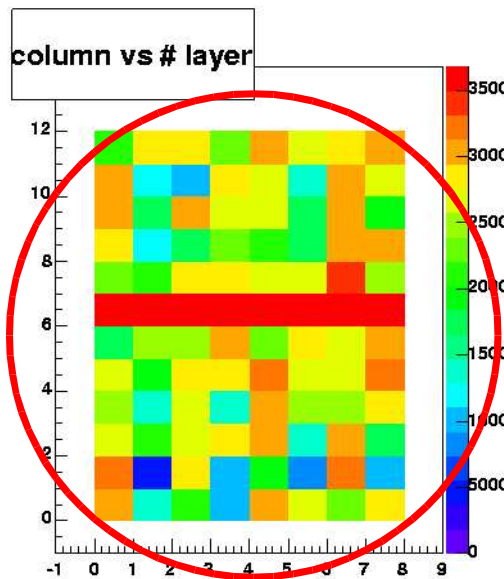
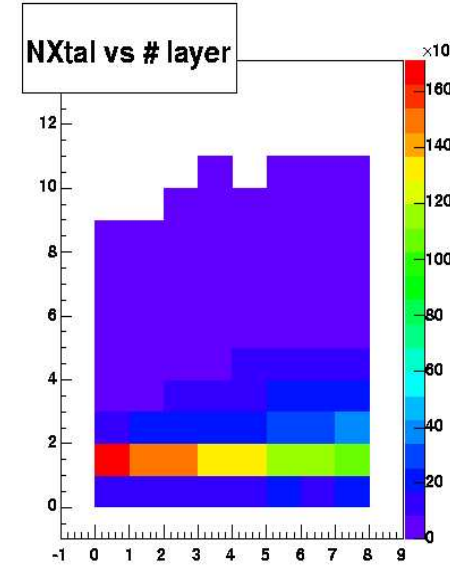
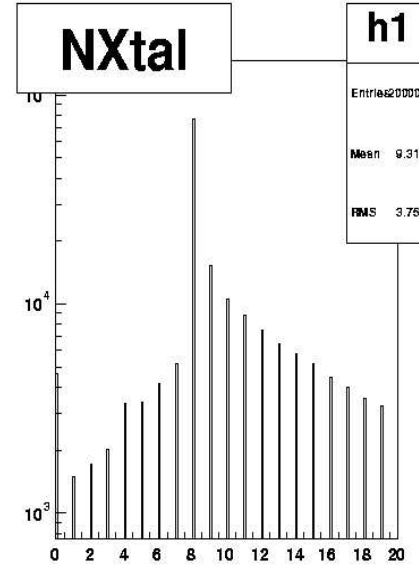
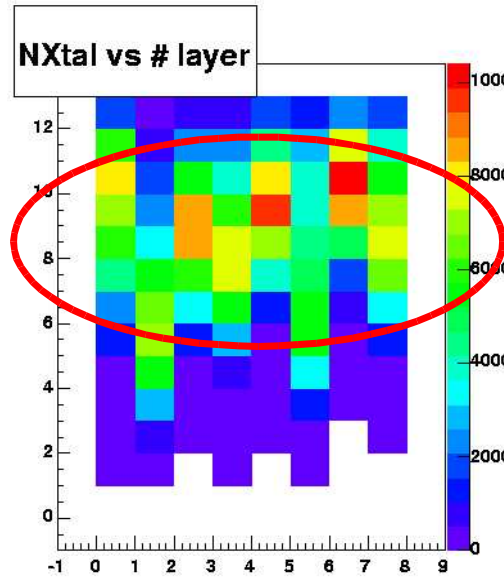


Z=14

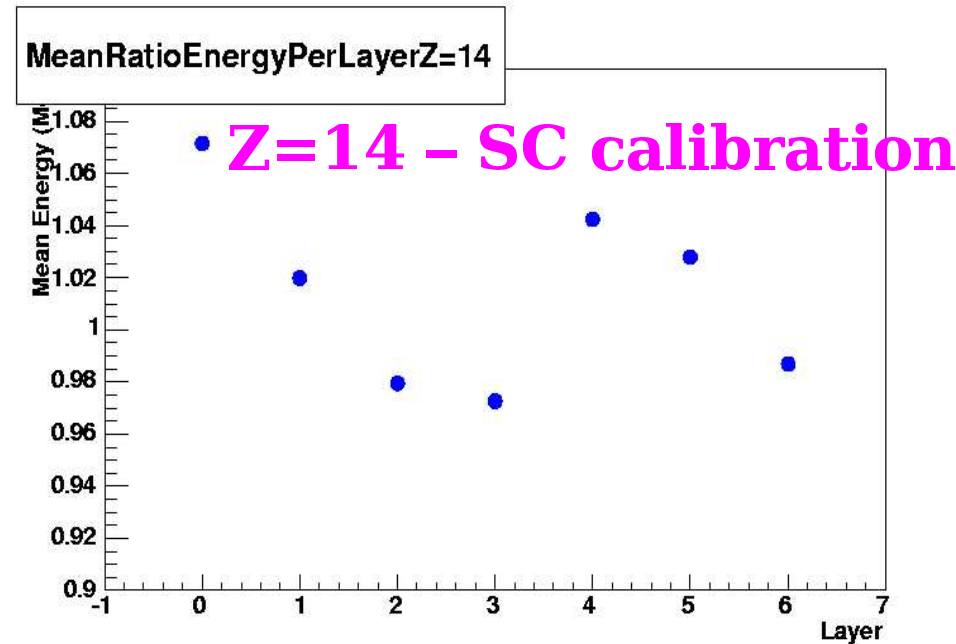
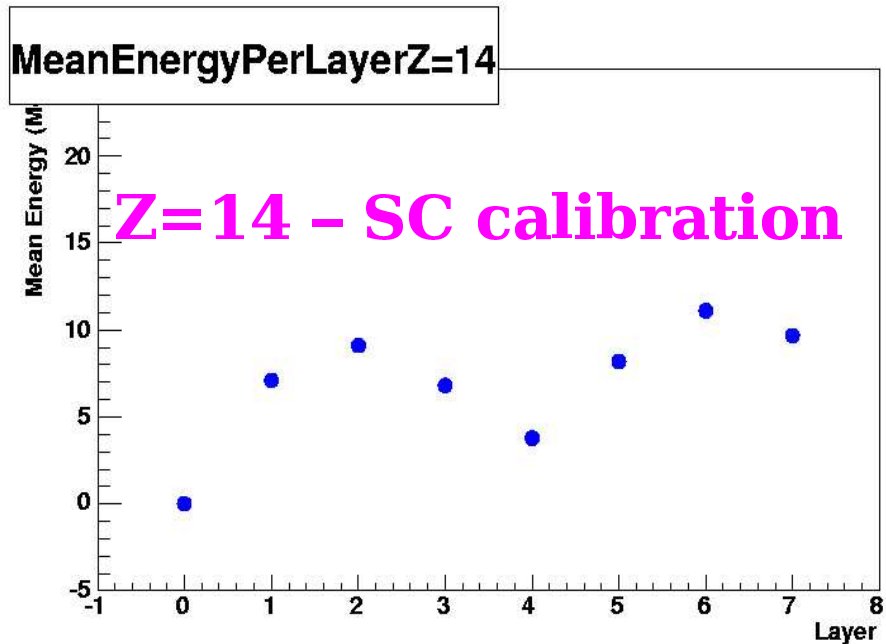
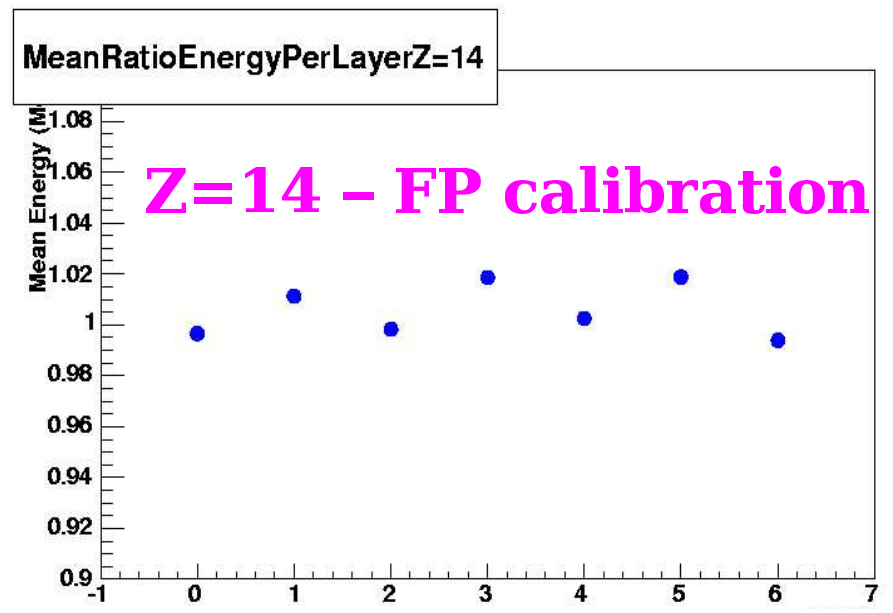
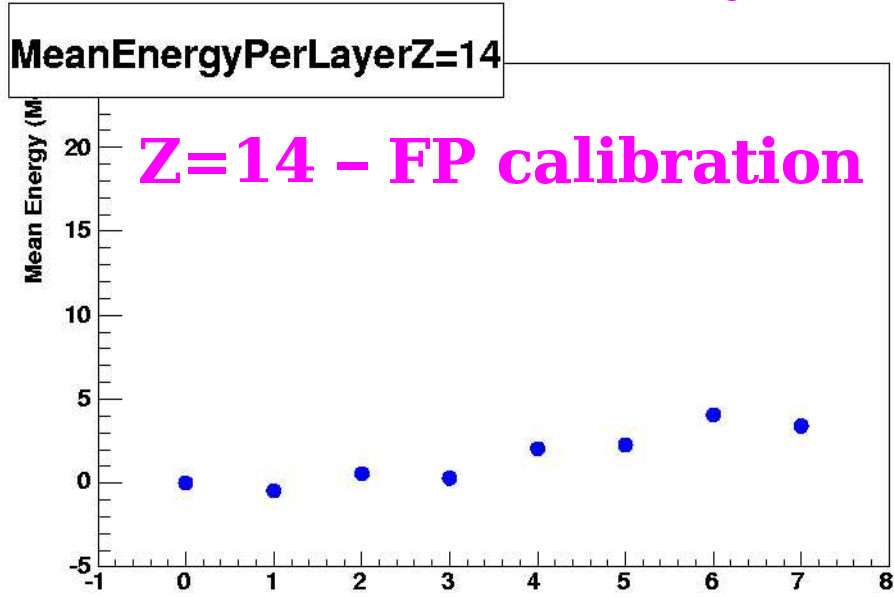


3/ Run 186 - Z=14

with $E_{th} > 120$ MeV cut
defining hits



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



Not possible to analyse the run taken with tilted cal ?

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

Run=186,

Z=12 :

Layer Efficiency Purity

0	0.79	0.94
1	0.54	0.98
2	0.46	0.98
3	0.38	0.99
4	0.34	0.99
5	0.29	1.00
6	0.25	0.99

Z=14 :

Layer Efficiency Purity

0	0.79	0.94
1	0.64	0.99
2	0.55	0.99
3	0.48	0.99
4	0.40	0.99
5	0.34	0.99
6	0.30	0.99

Z=16 :

Layer Efficiency Purity

0	0.75	0.93
1	0.64	0.98
2	0.56	0.98
3	0.47	0.99
4	0.42	0.98
5	0.35	0.98
6	0.29	0.98

Next step :

**-> check results of run 186 with run 46
(still difficulties to get rid of preamp problem)**

-> MC comparison (Fred)