

LY Studies

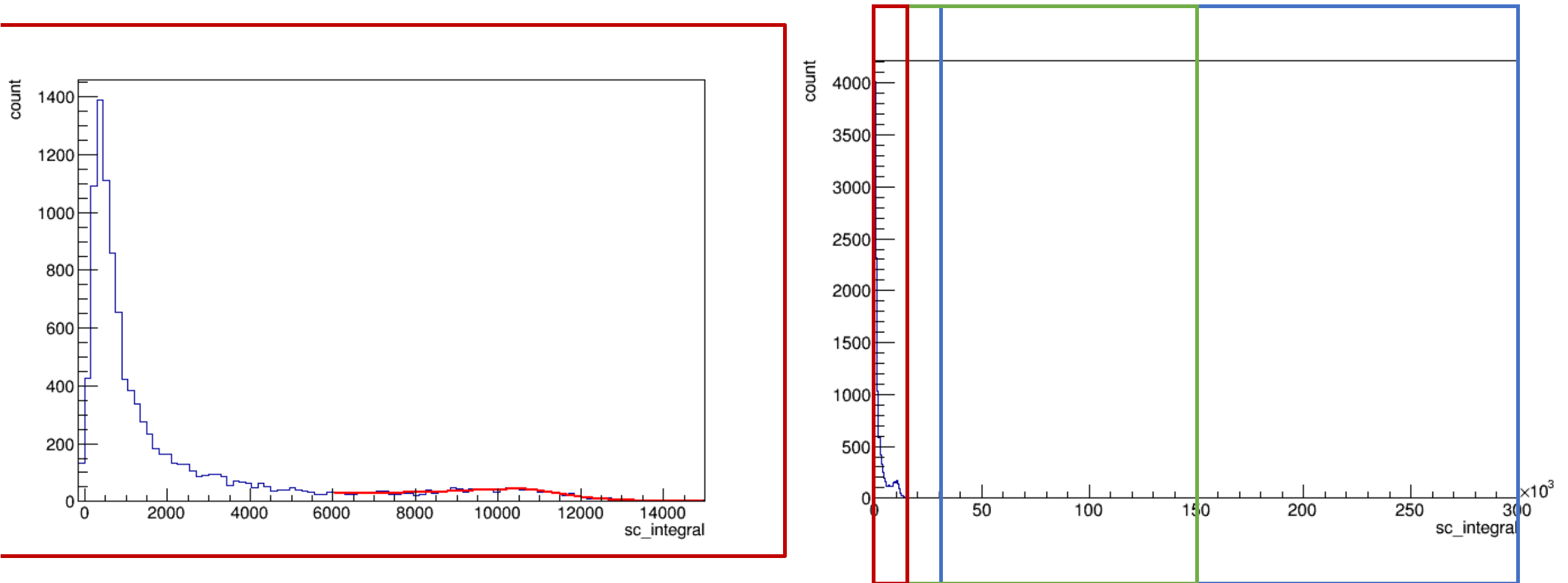
Variables definitions:

LY_15 = Mean in the range [15k ; 150k] of the sc_integral distribution

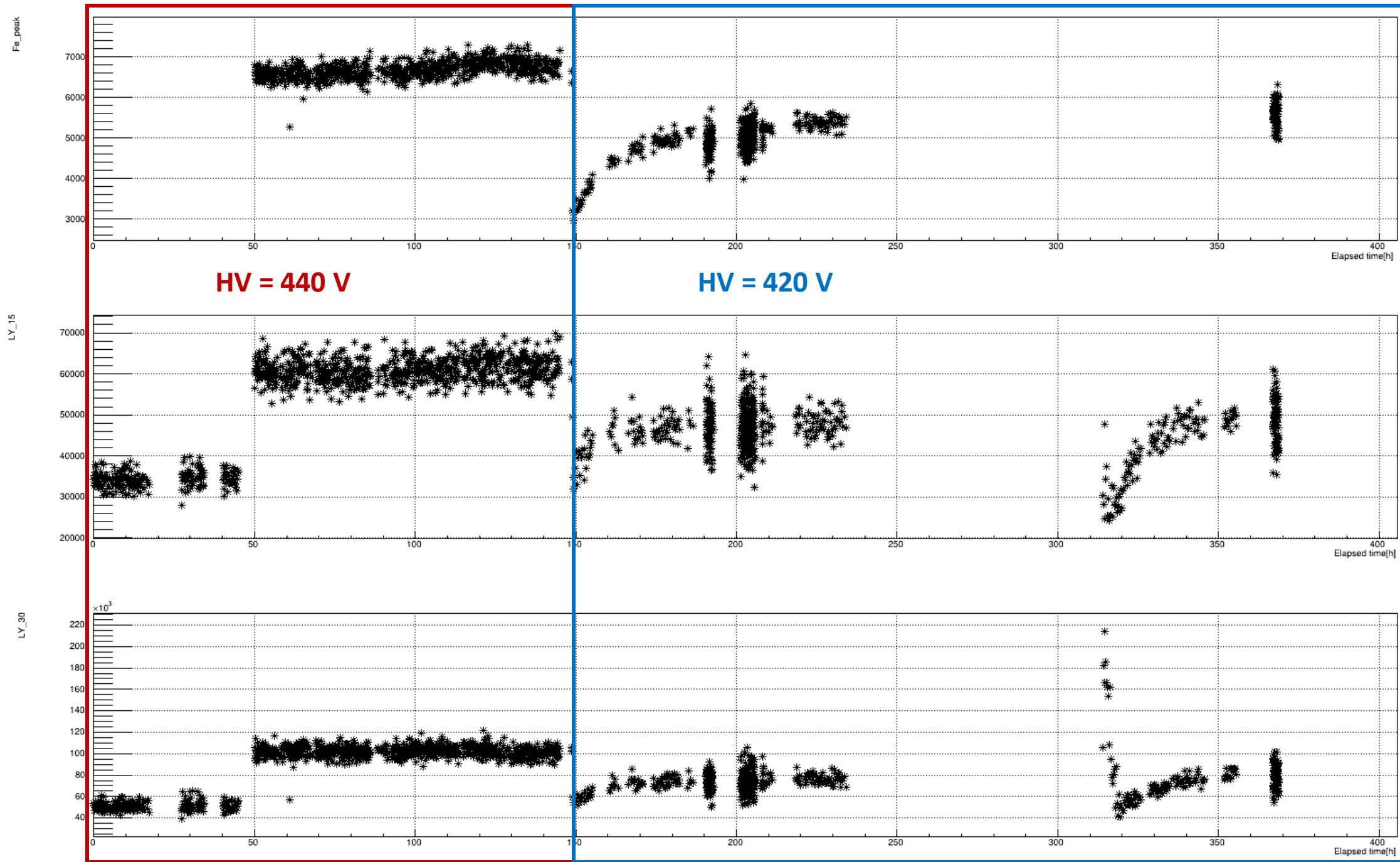
LY_30 = Mean in the range [30k ; 300k] of the sc_integral distribution

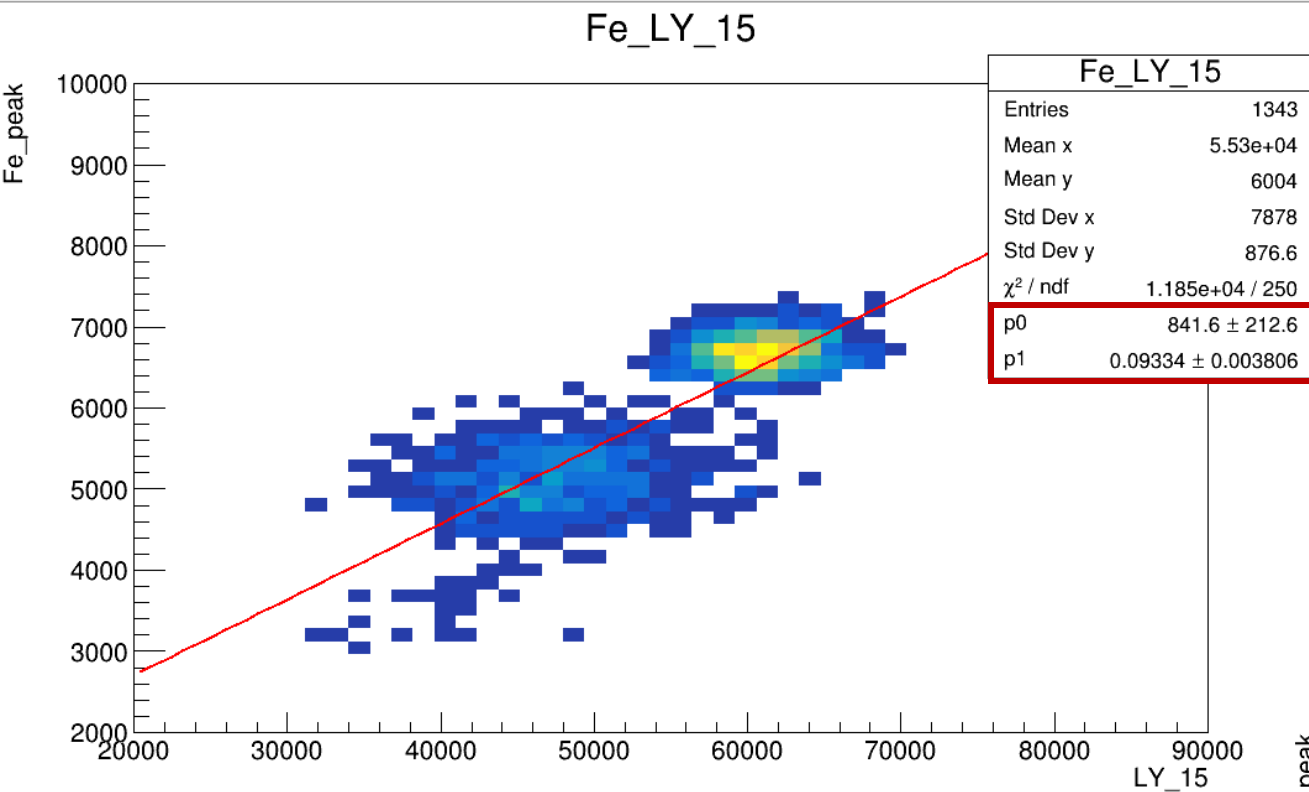
The ^{55}Fe peak is fitted with the **Cruiff function** and the mean of the function defines the ^{55}Fe peak

Example: run 17400



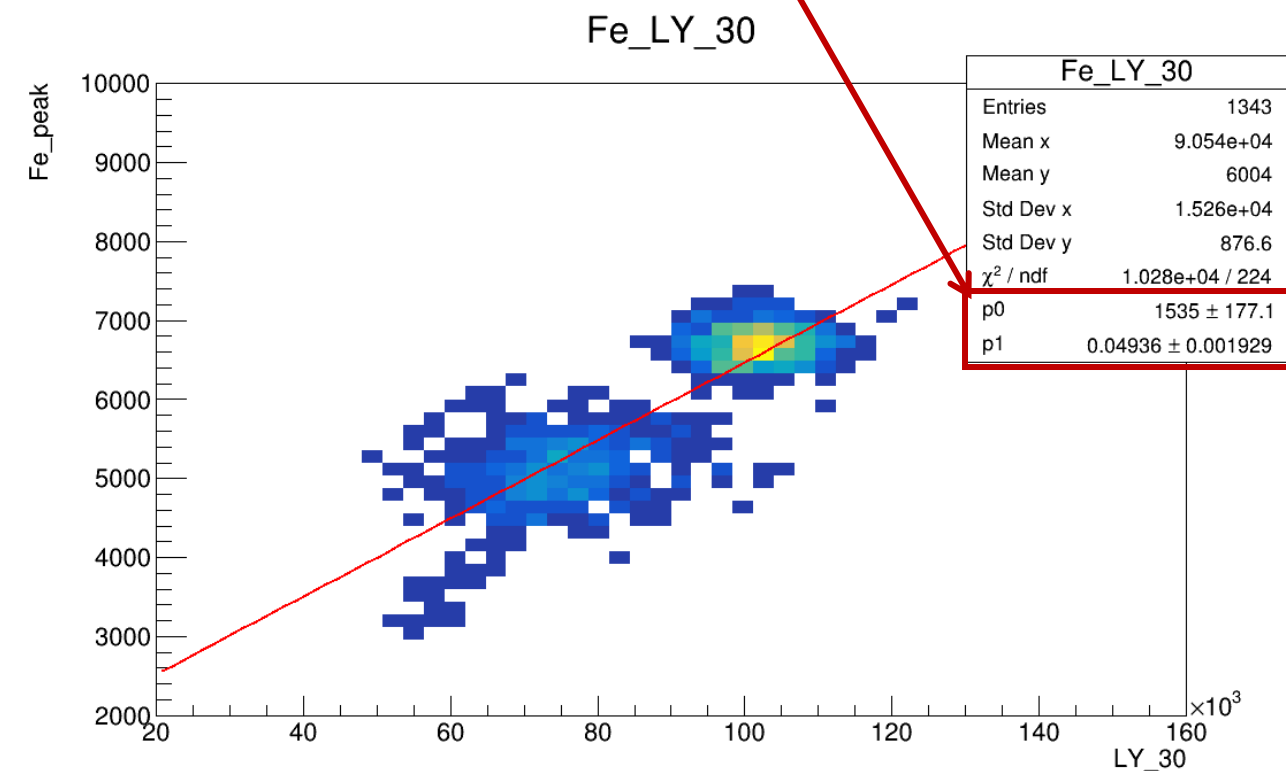
RUN2

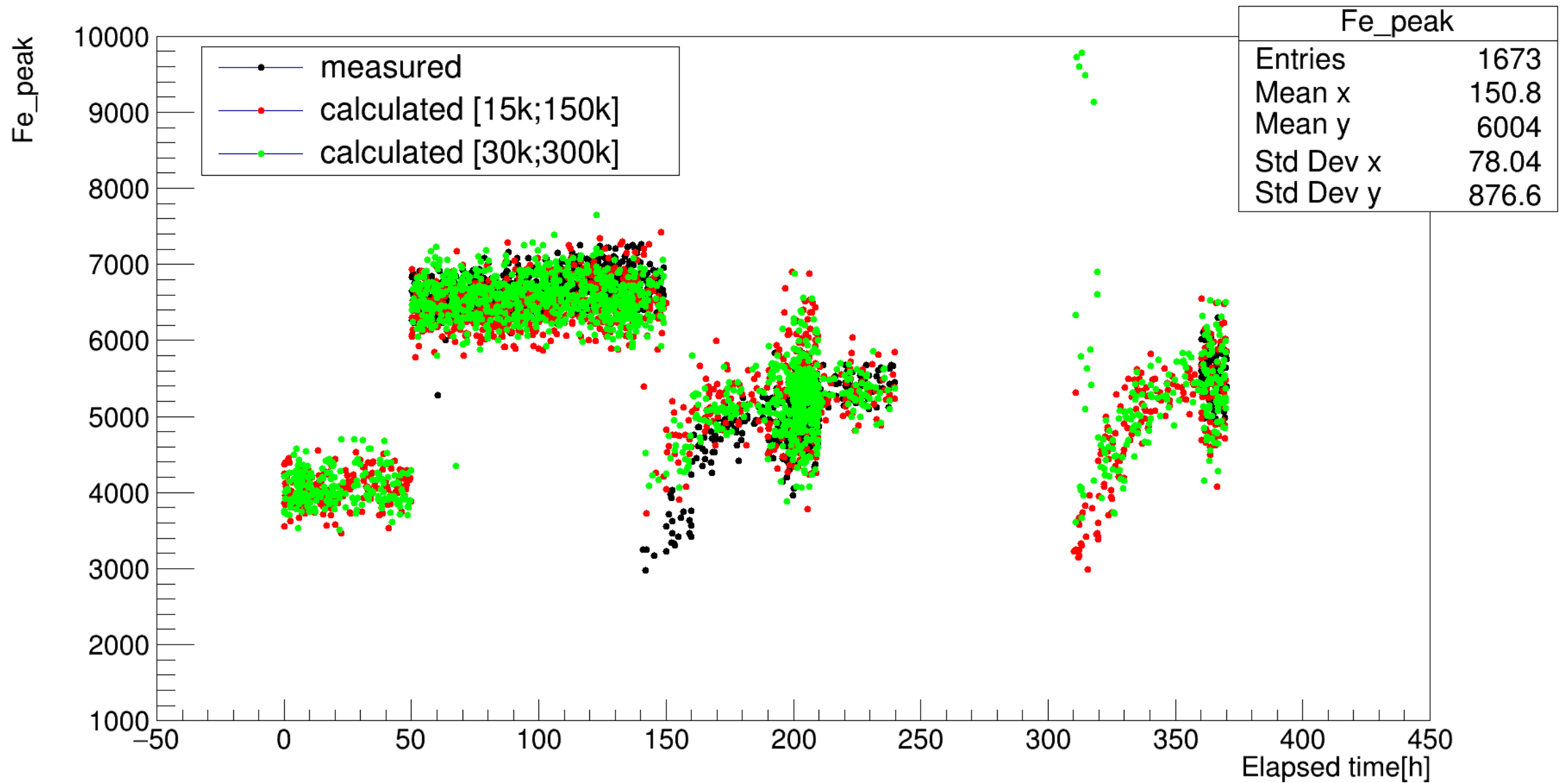




All the run with the ^{55}Fe peak are taken and ^{55}Fe peak vs LY is plotted and a linear fit is performed

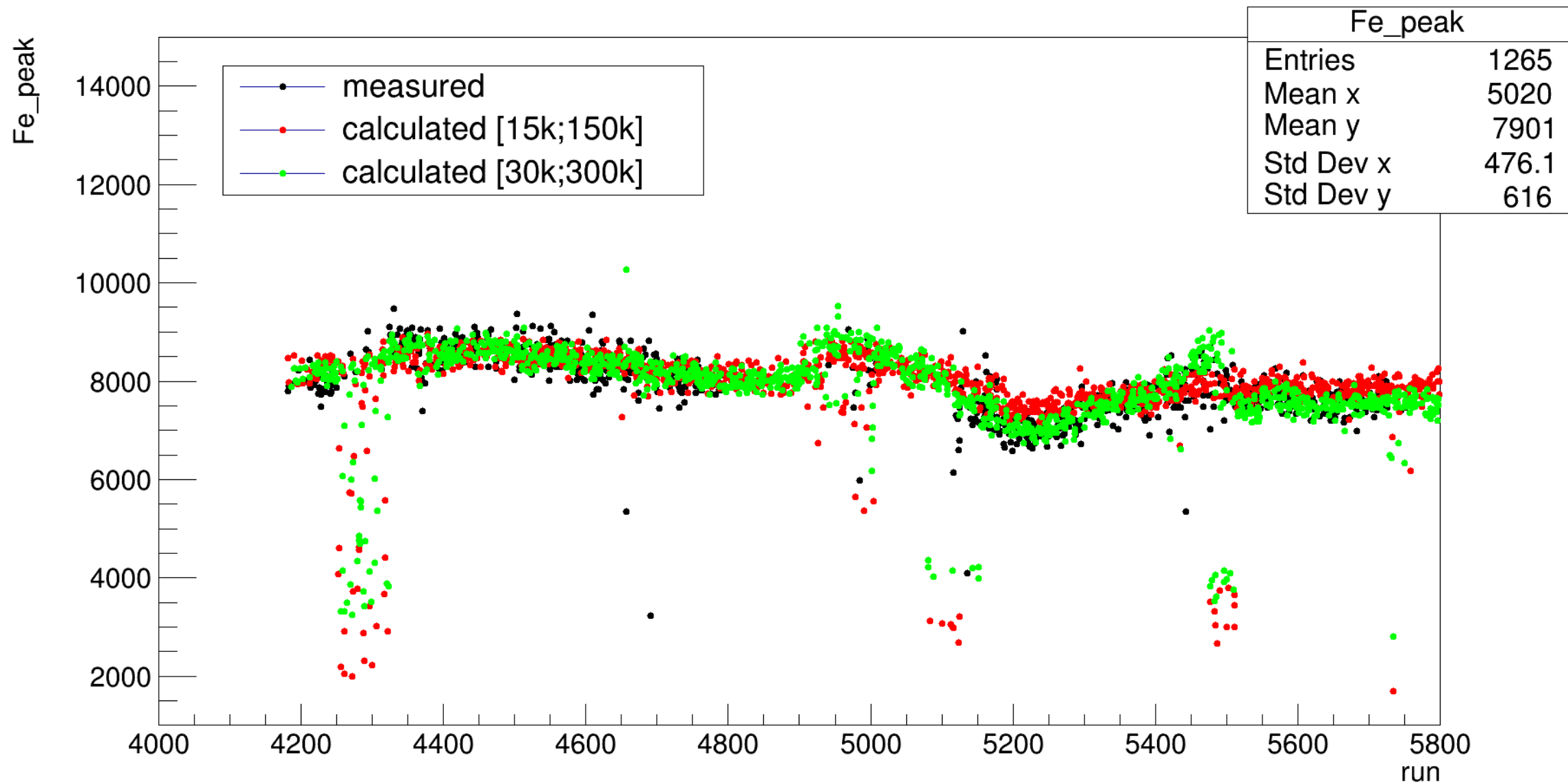
The parameters are used to evaluate the ^{55}Fe peak from the LY \rightarrow in order to "calculate" the ^{55}Fe peak





calculated [15k ; 150k] and calculated [30k; 300k] are comparable

RUN1



Conclusions

- The LY_15 and LY_30 variables appear to be valid;
- We are studying the LY_15 and LY_30 to validate these variables in order to correct the runs;
- We are studying also the Run3

Work in progress