

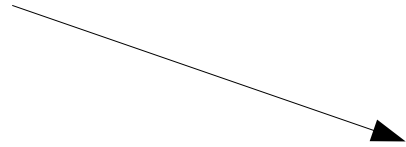


SENSITIVITY STUDY OF CYGNO

G. Dho, E. Baracchini, S. Piacentini, A. Messina

BAYESIAN AND FREQUENTIST TALK EACH OTHER

- After several tests it appears the two methods agree each other on the results of the analysis despite following different path



See Stefano's presentation

- This means we can start working on the development of 90% CL

90% CL

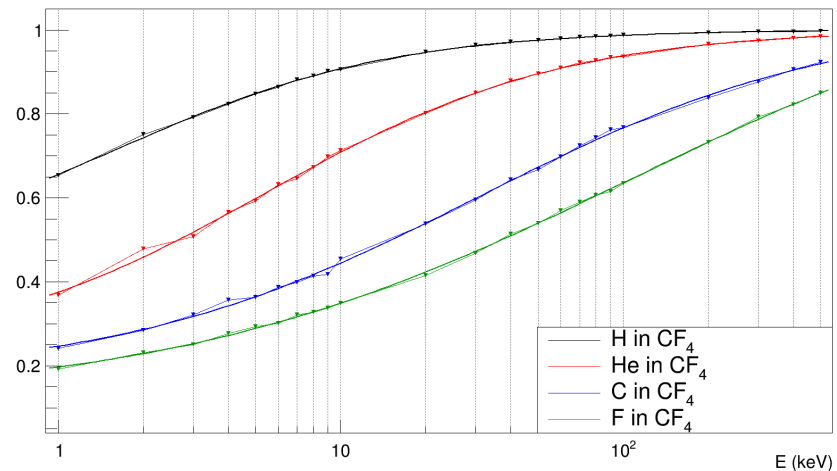
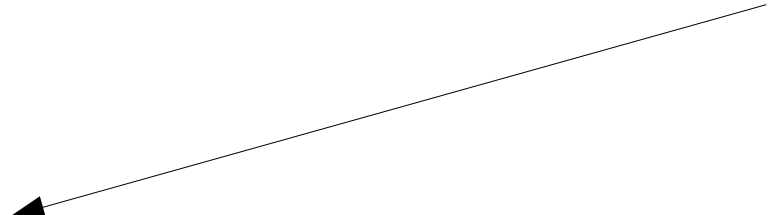
- The parameters taken into consideration are always the same

Angular resolution
(head-tail and directionality)

Energy threshold

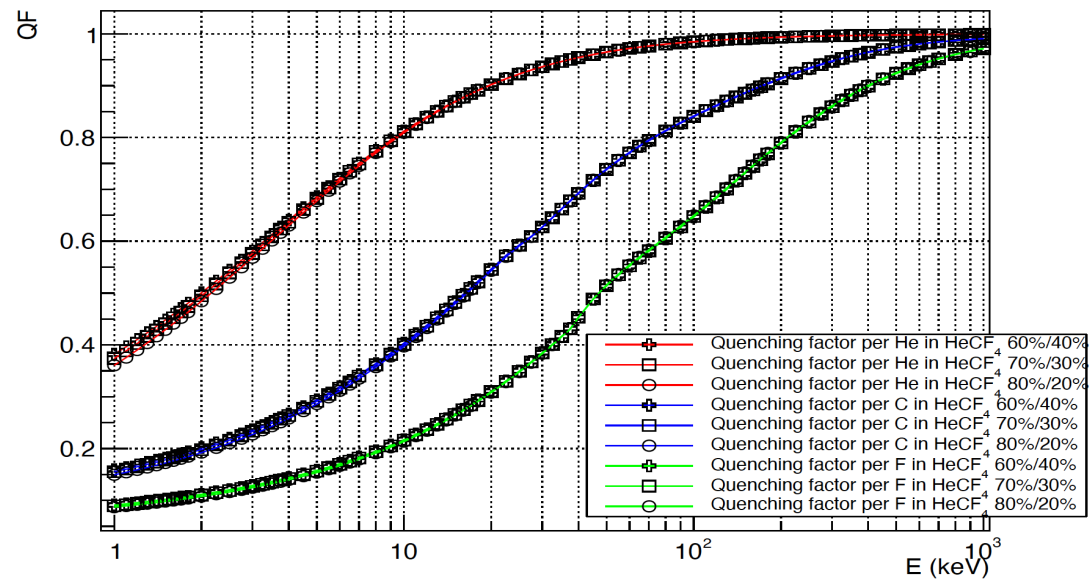
Quenching factor

- New quenching factor calculated by Flaminia^{ht}



NEW QUENCHING FACTOR

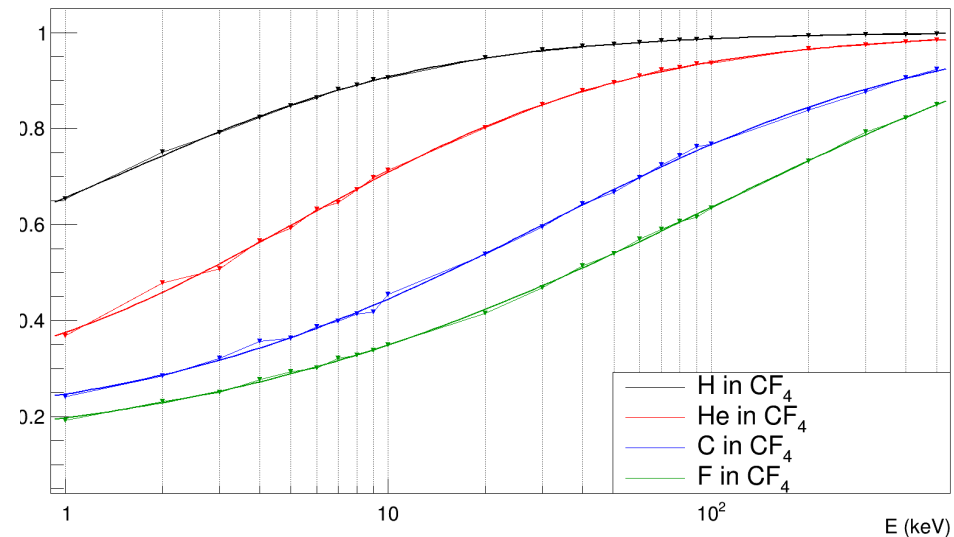
Old



Element threshold on original energy in keV
(if measurable energy threshold is 1 keV):

He	2,02
C	3,91
F	6,18

New



Element threshold on original energy in keV
(if measurable energy threshold is 1 keV):

He	2,14
C	3,12
F	3,74

FIRST NEW POINTS OF CL 90%

