Reactions involved:



+ H(n,p) as background

Response in energy is reasonable up to hundreds of MeV (tof to energy stil VERY preliminary)



[0.5; 1.] MeV : empty (as expected)



[1.; 5.] MeV : protons from (n,p) on the entrance window (25um ok kapton)



[5. ; 20.] MeV : alpha, protons and deuterons from ${}^{12}C$ – easy separation between alpha and H-isotopes, need to work more for p/d



[20.; 60.] MeV : detector still working perfectly may be some heavier nuclei (purple)



[60.; 200.] MeV : detector still working perfectly purple region starts to be populated



[200. ; 1000.] MeV : detector operative (at least) up to hundreds of MeV – strong contribution from particles not stopped in the silicon volume



Annular in EAR2

⁶LiF data: half a day of data with LiF, nice amplitude spectra, no saturation observed in gflash





- Ringing removed (thanks to the intervention of Nino and Carmelo from LNS)
- Great response in energy
- Pulse Shape technique seems to be effective, at least for a/p, need more work for p/d (as expected)
- Nice spectra from EAR2 data, good response to the gflash
- Data taking at ILL concluded last Sunday, we collect data for better understanding the Pulse Shape and guide us in the analysis

Protons from the window are the main source of background, need some MC simulation to correctly estimate its contribution.

