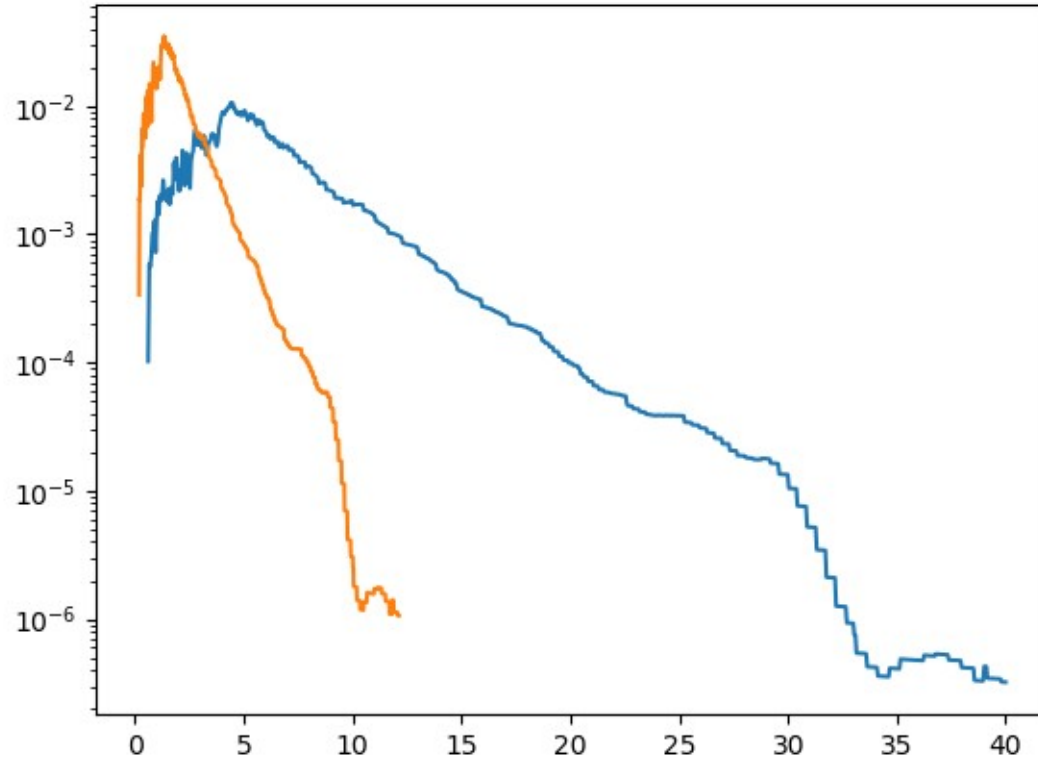


# Protons energy spectrum at rear side of plastic target

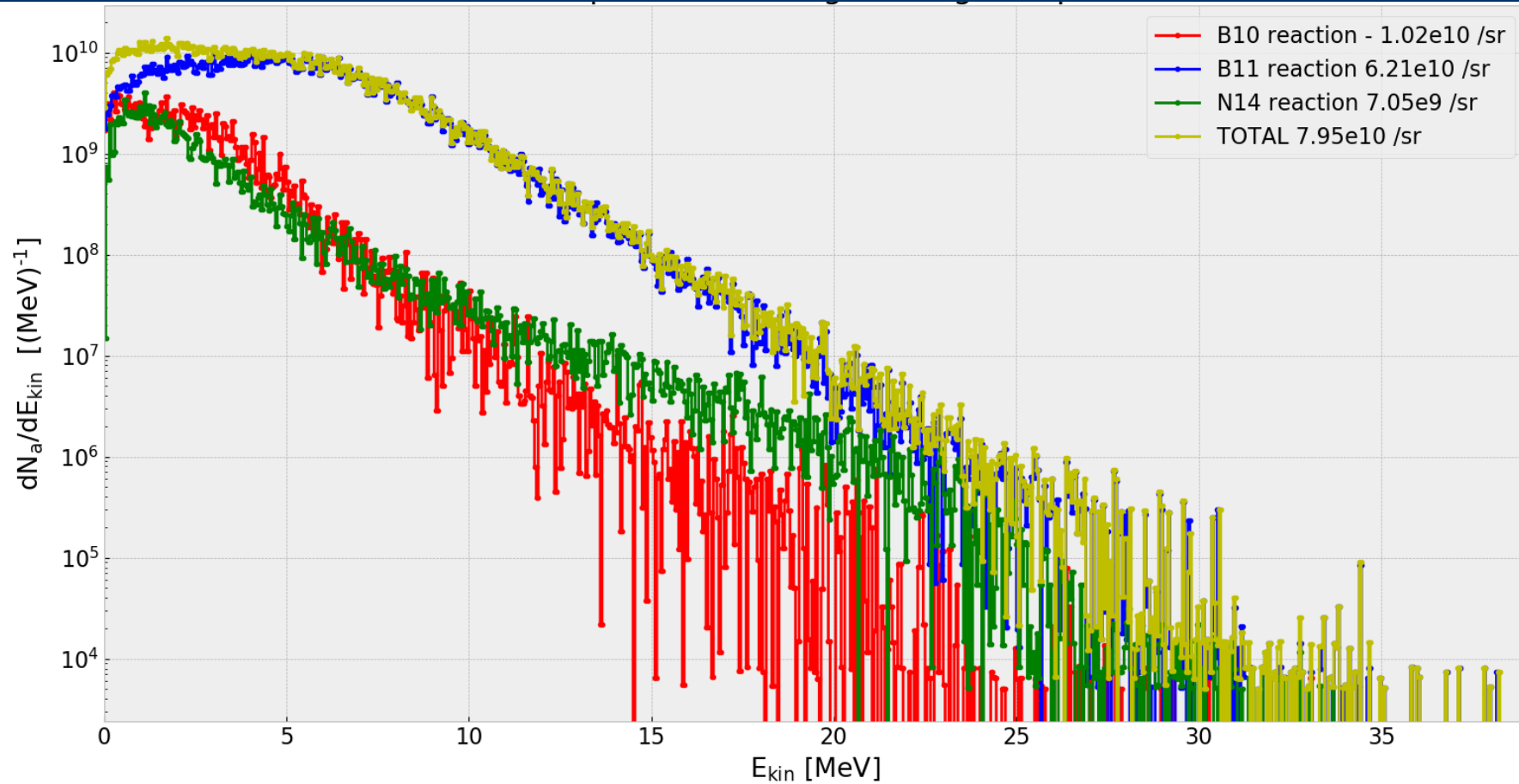
## Thomson Parabola



In Blue original spectrum from TP

In Orange, the same spectrum with energy divided by 3,3

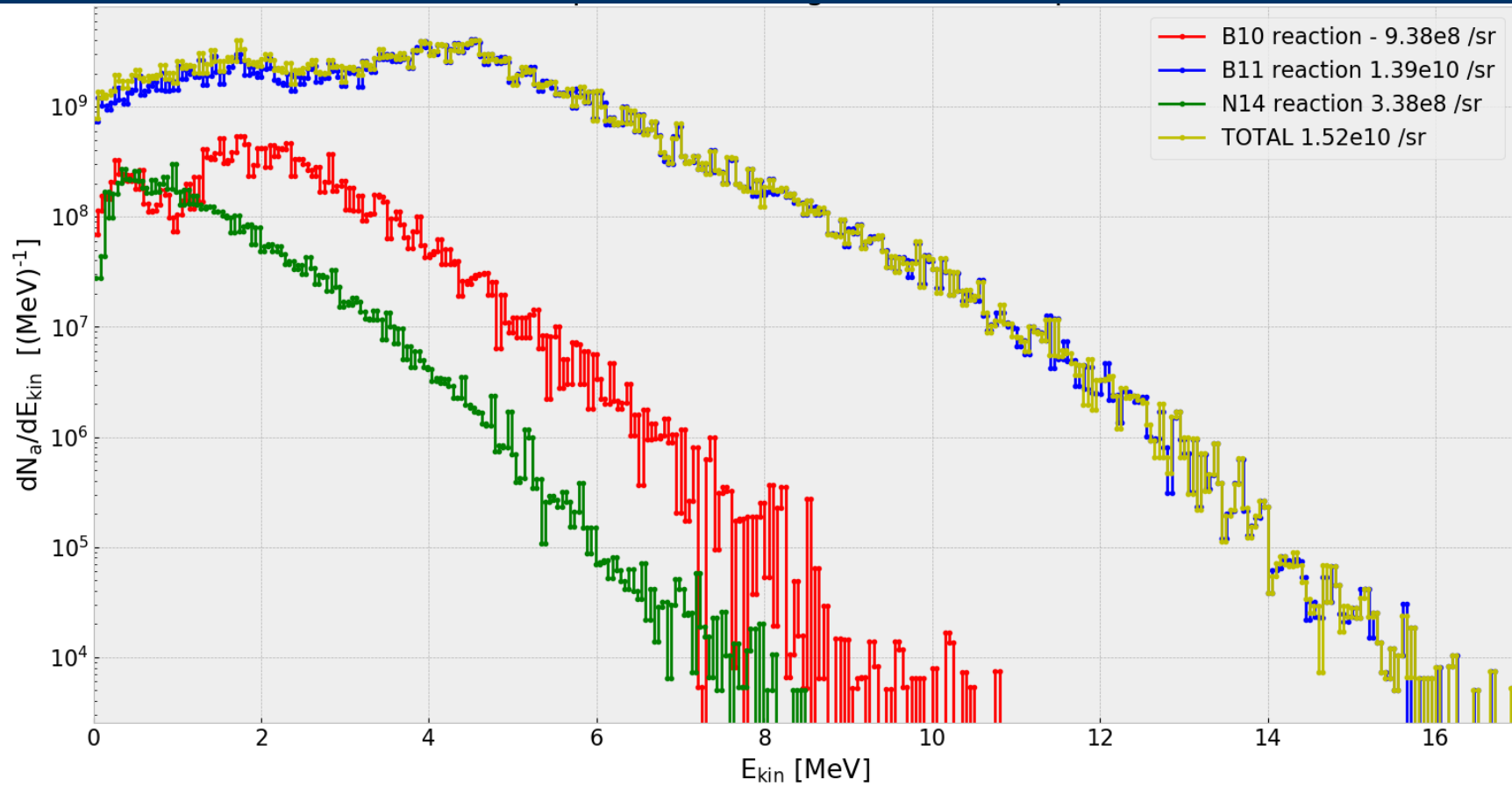
# ALPHA Spectra – P+ up to 35MeV



Contribution  
production alpha

12,8 % B10  
78,1 % B11  
8,9 % N14  
0,18% N15  
0,02 % B8

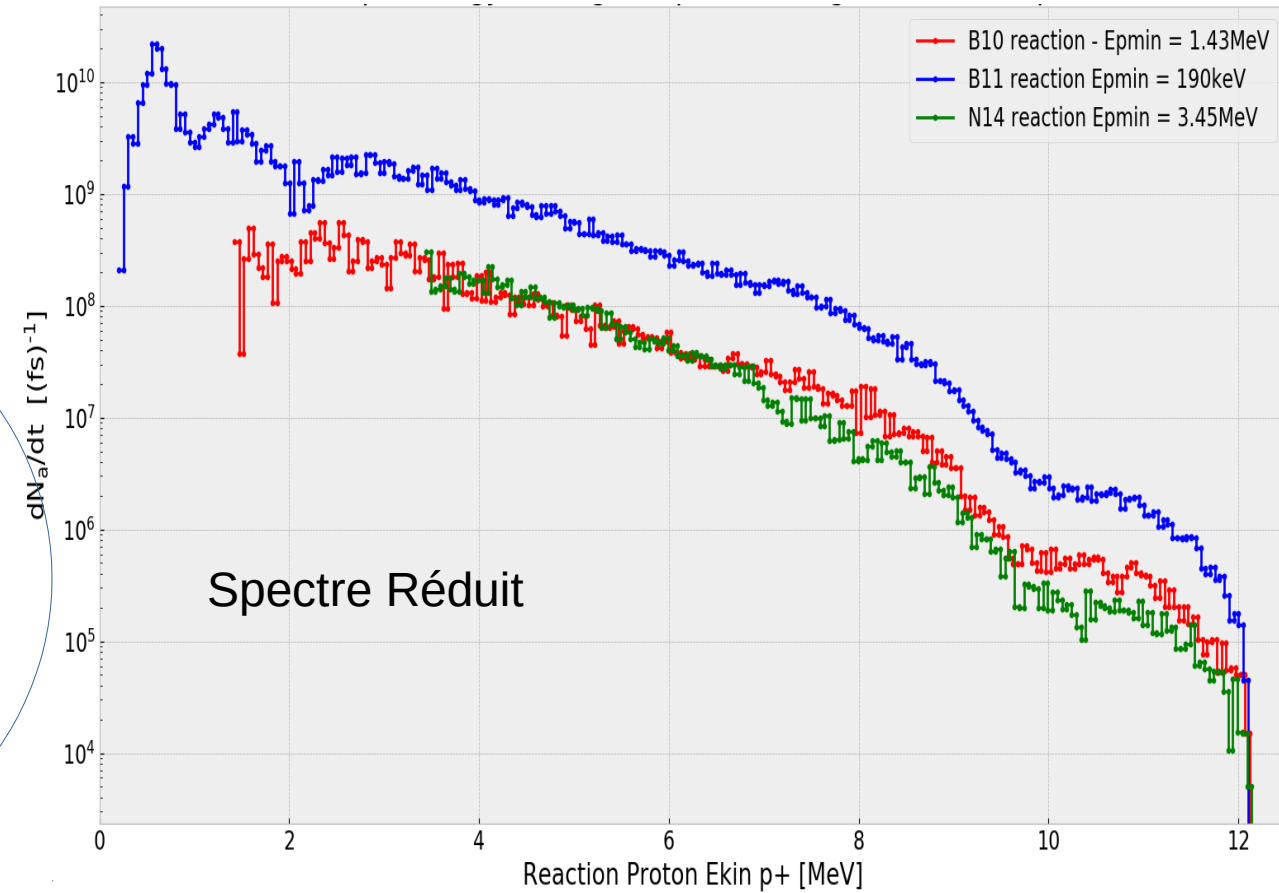
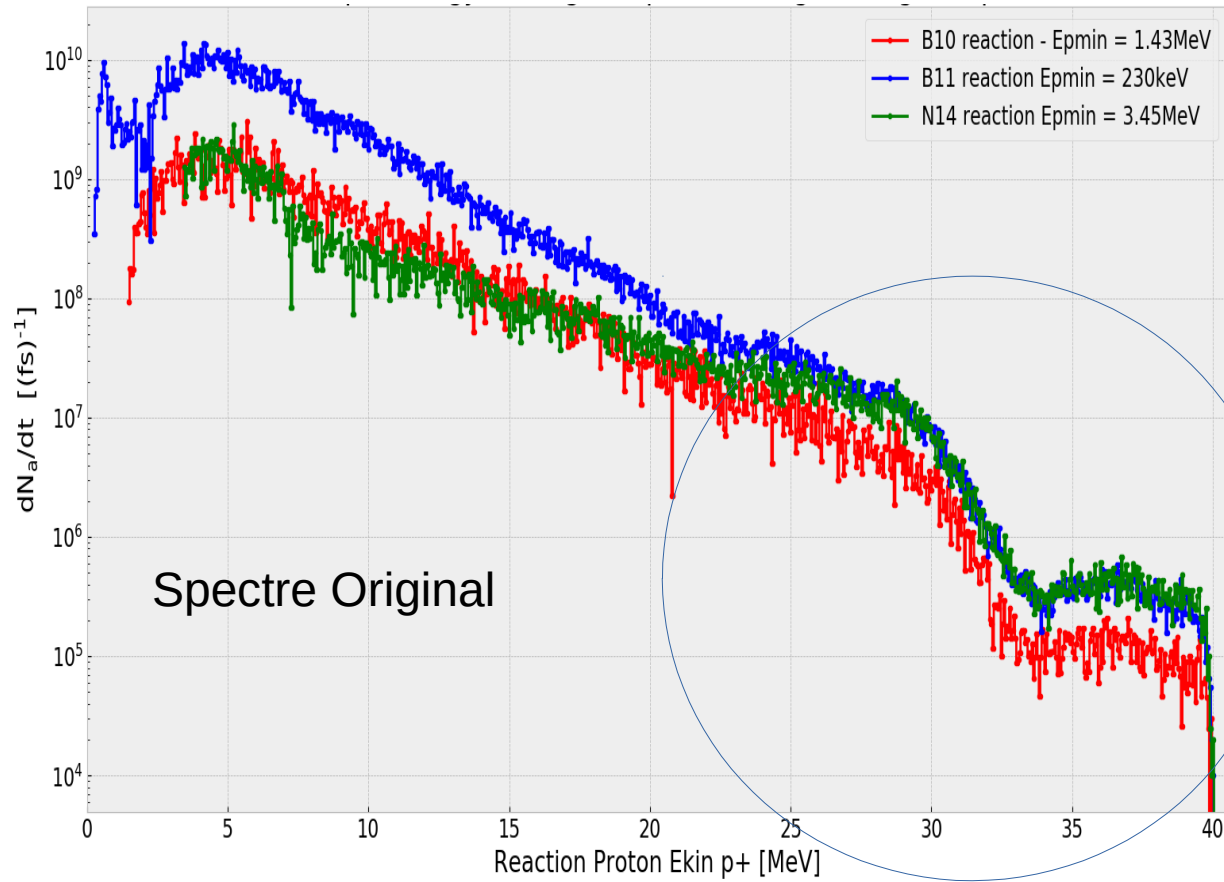
# ALPHA spectra – p+ up to 10MeV



Contribution  
production alpha

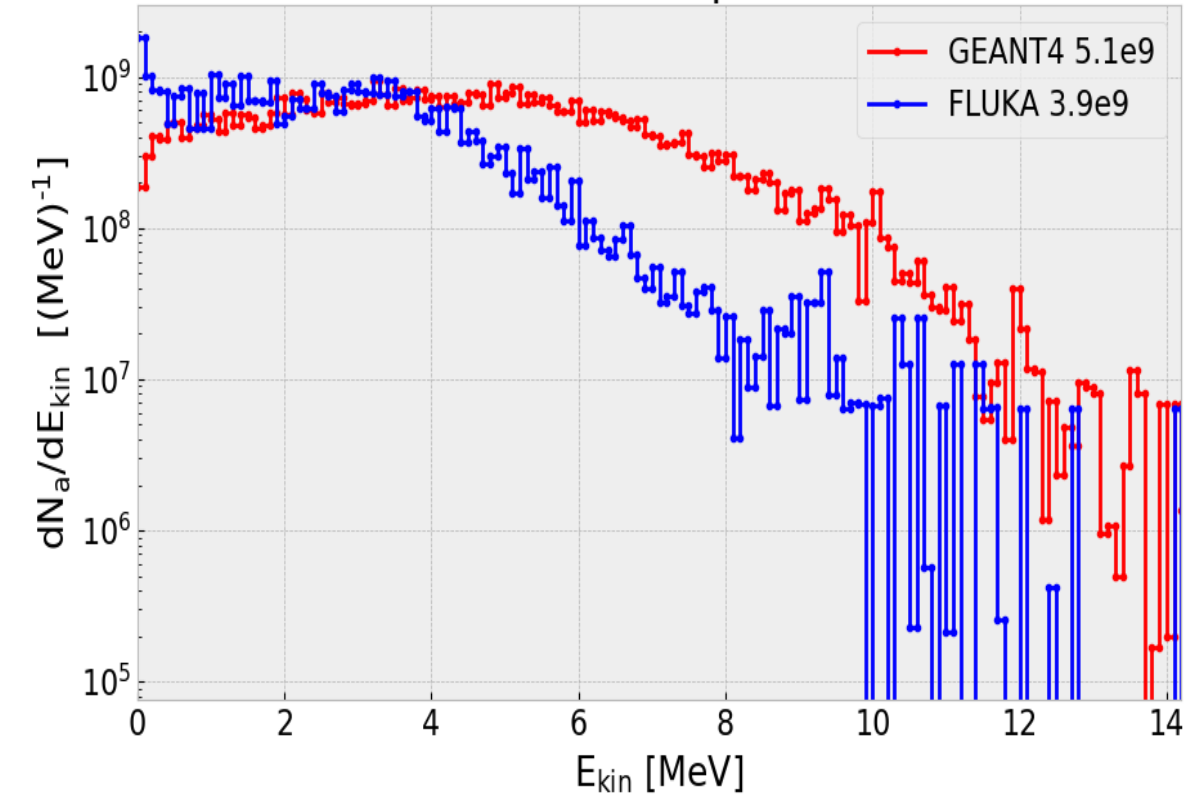
6,2 % B10  
91,4 % B11  
2,2 % N14  
0,2 % N15

# P+ that react with nuclei in target spectra



# FLUKA – GEANT4 comparison

FRONT SIDE BN 0.2mm comparison FLUKA-GEANT4



REAR SIDE BN 0.2mm comparison FLUKA-GEANT4

