Analysis update: 68Zn
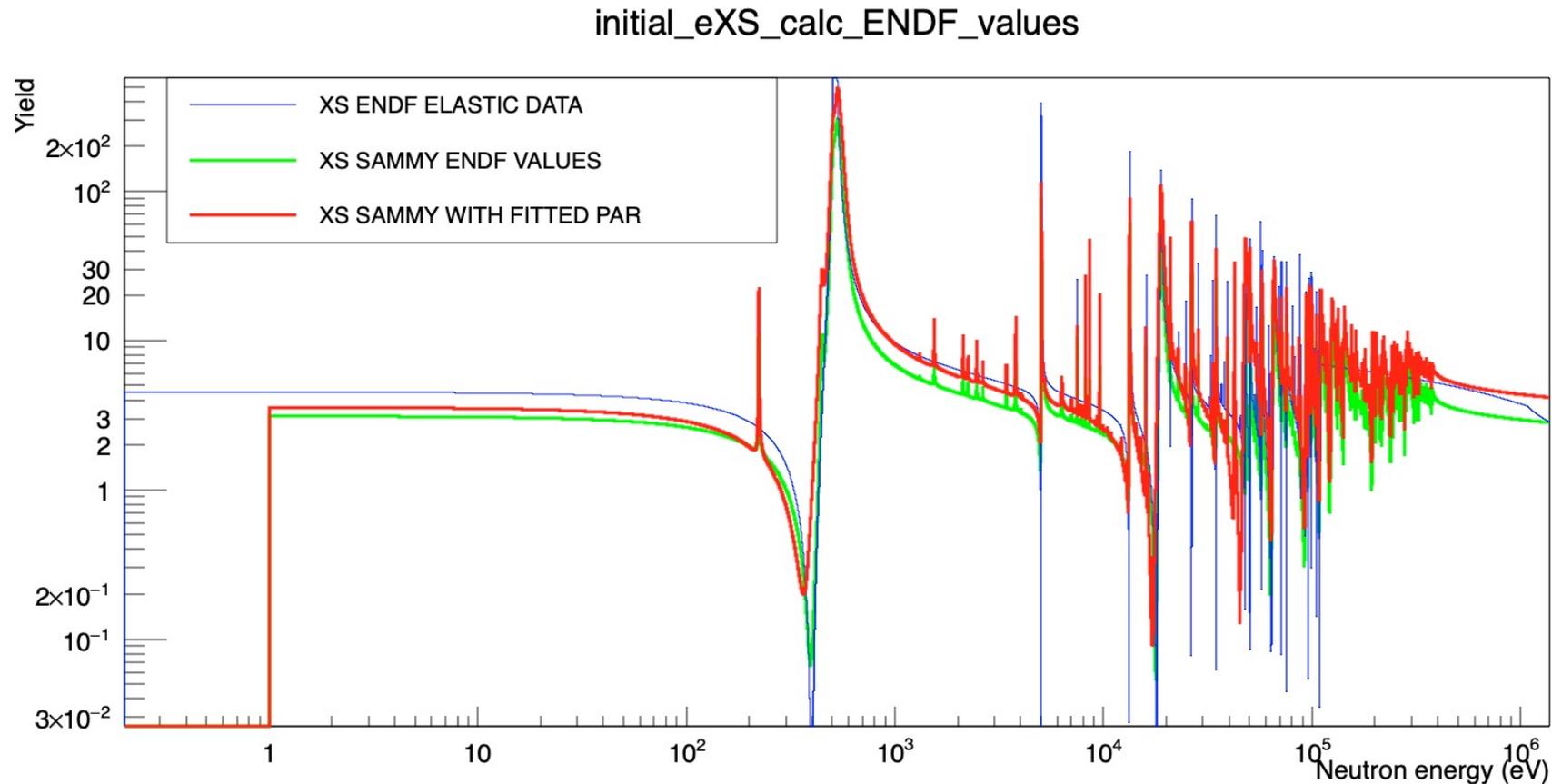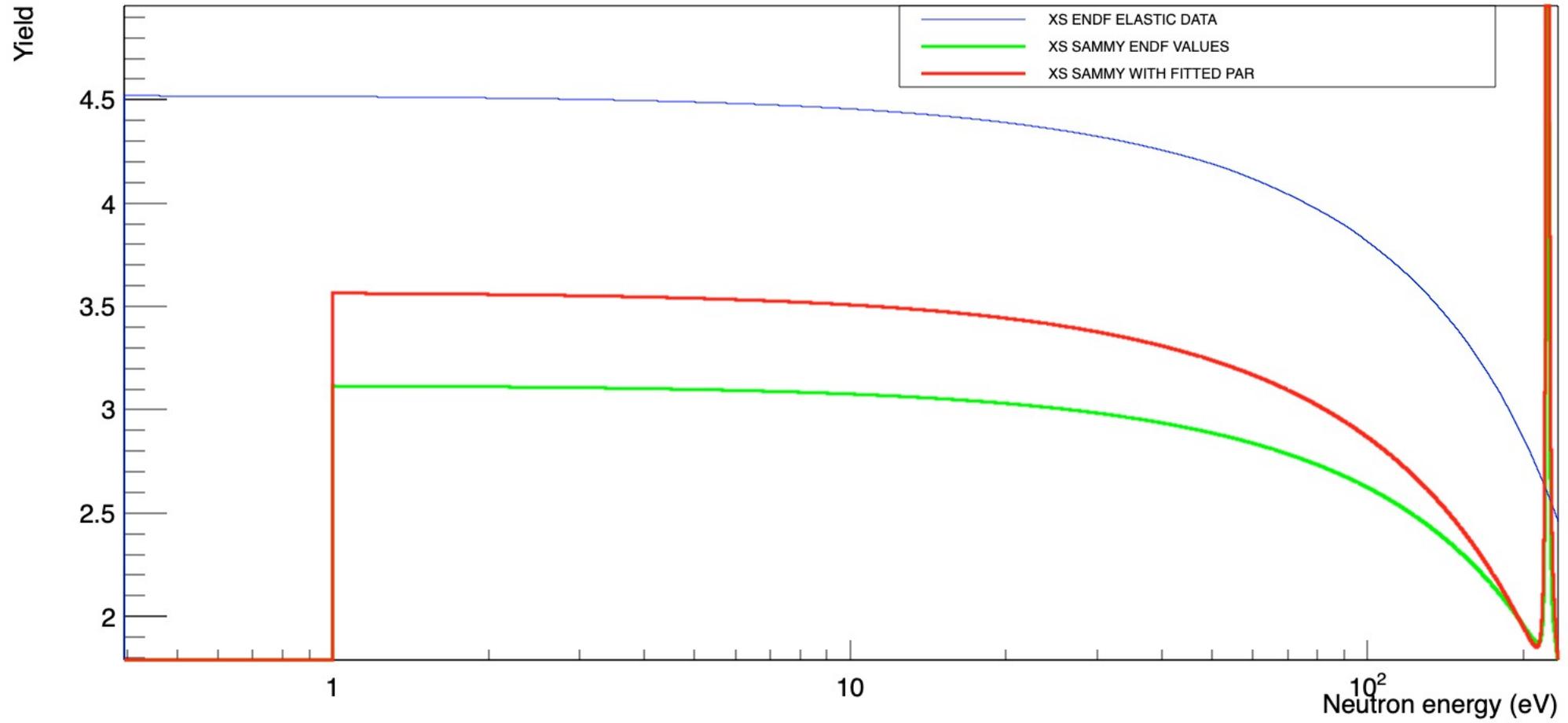
Carbon

- Calculated an elastic scattering yield with SAMMY and converted that to a cross section to compare to the cross section form ENDF

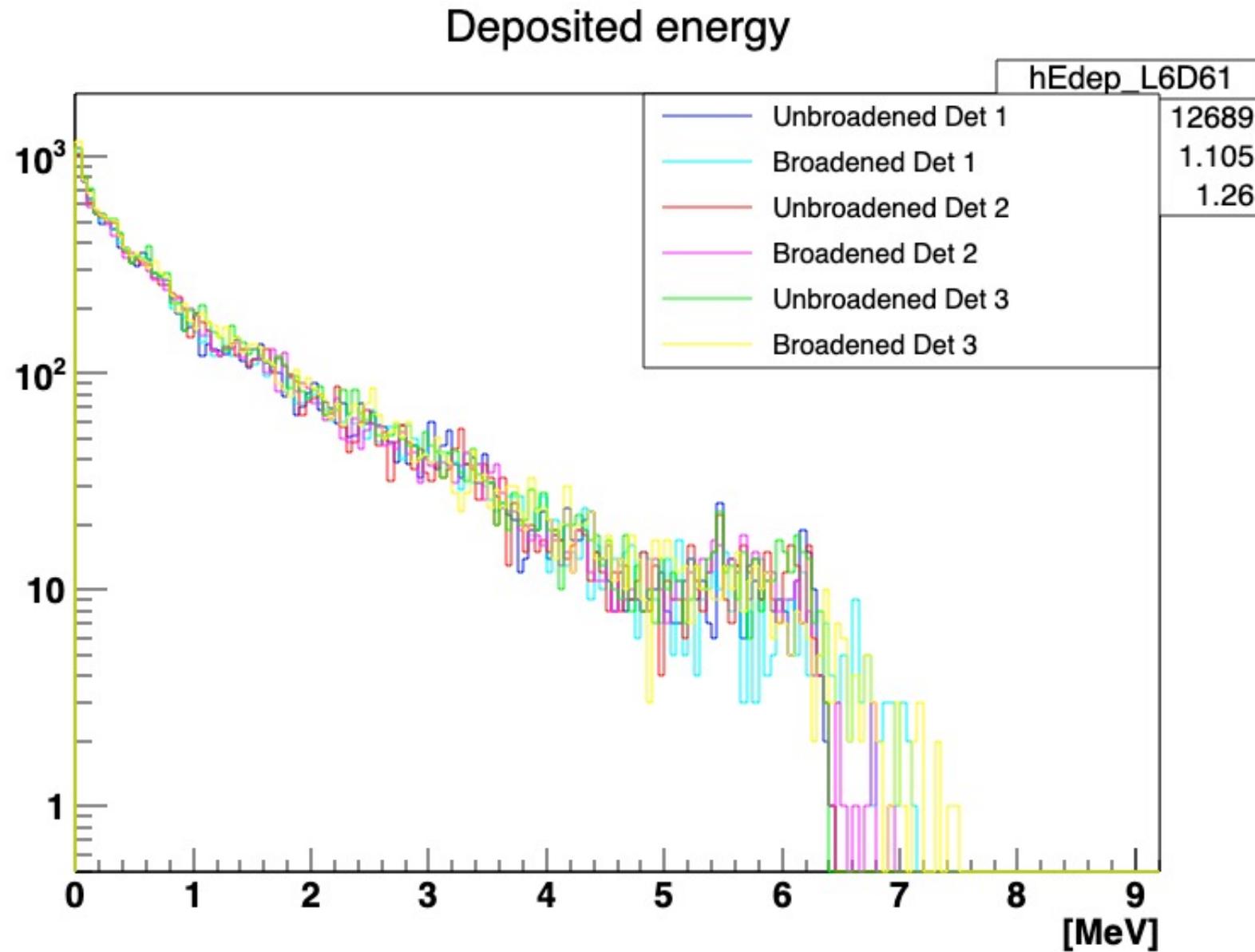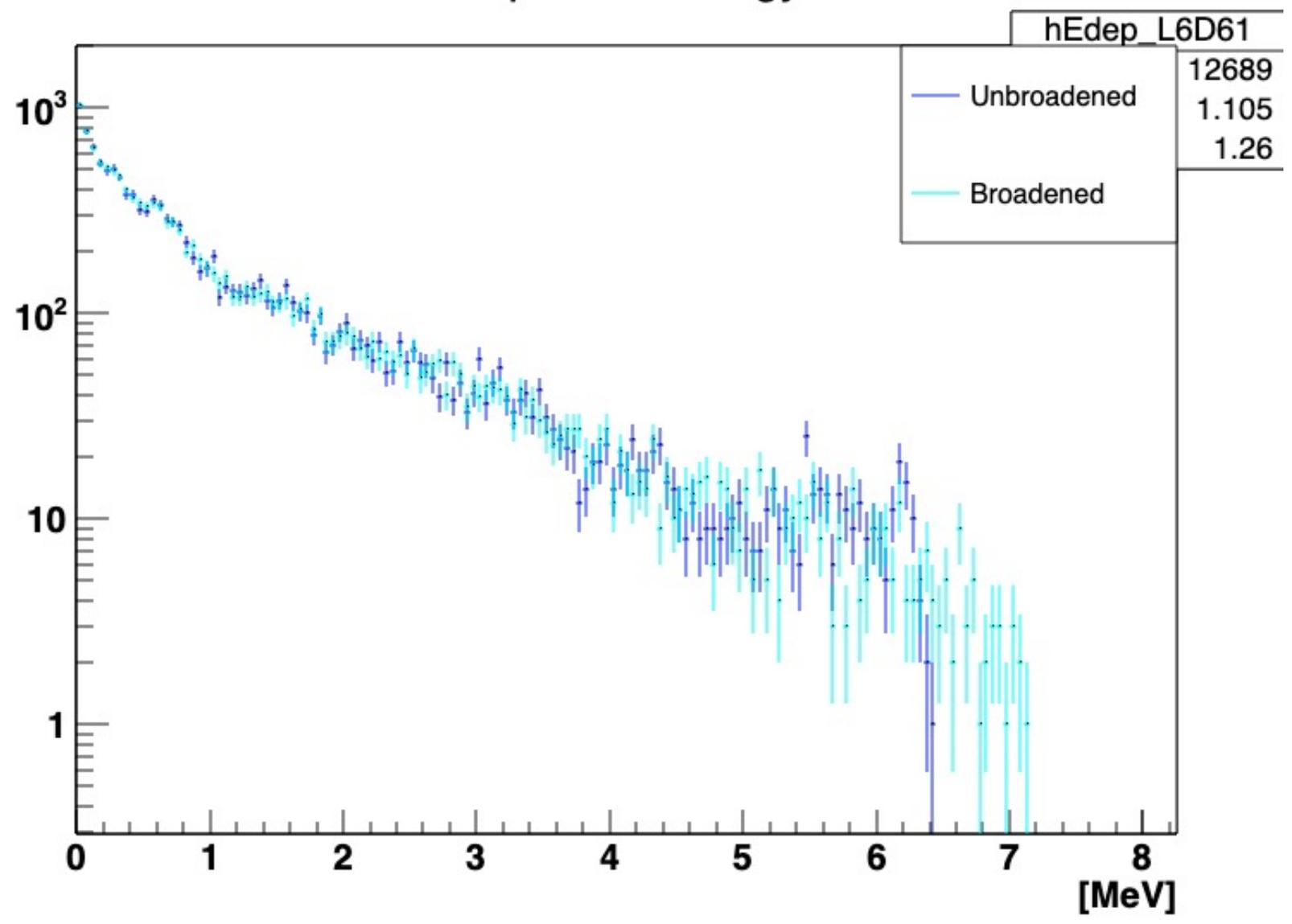- Done with both files containing adjusted resonance parameters and with ENDF resonance parameters.

initial_eXS_calc_ENDF_values

- Still a little off...

initial_eXS_calc_ENDF_values

- Got new ½ plus cascade models, broadened and compared to unbroadened spectra.

Deposited energy

hEdep_L6D61

	12689
	1.105
	1.26

Unbroadened

Broadened
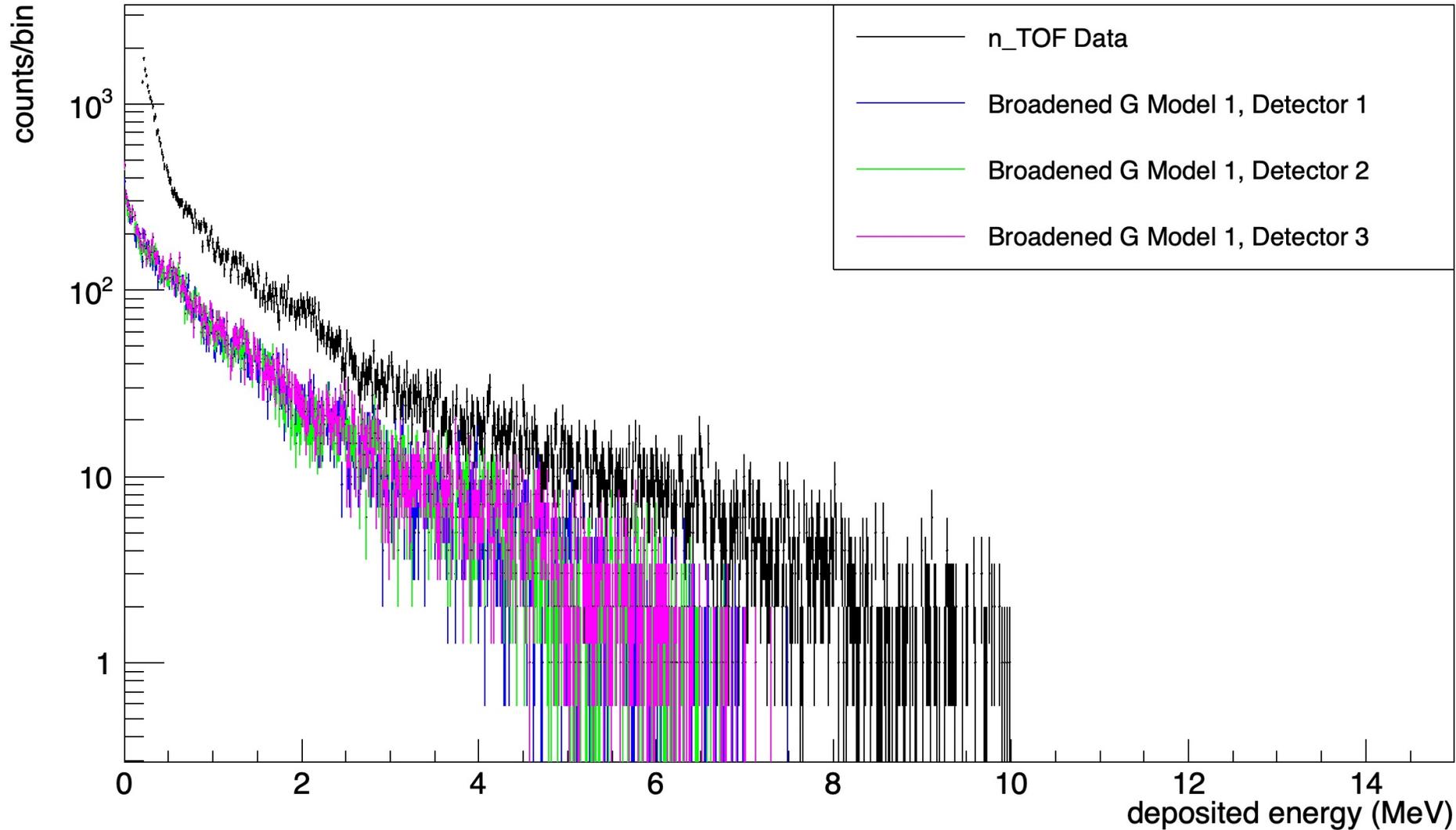
[MeV]

Took broadened spectra and started to compare to data by time gating on Lxplus.

Model 1 Broadened Compared to 516eV Resonance
Amplitude Spectra (1/2+ resonance)

Simulations rebinned by 15 as there was an exactly 15 times difference in bin numbers between the two histogram types

n_TOF data is all detectors added together – next step is to add broadened simulations together and compare?