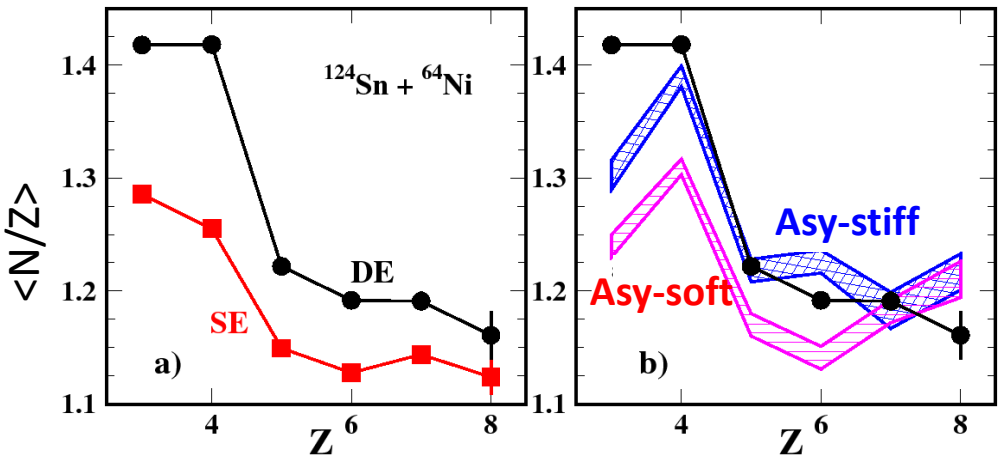
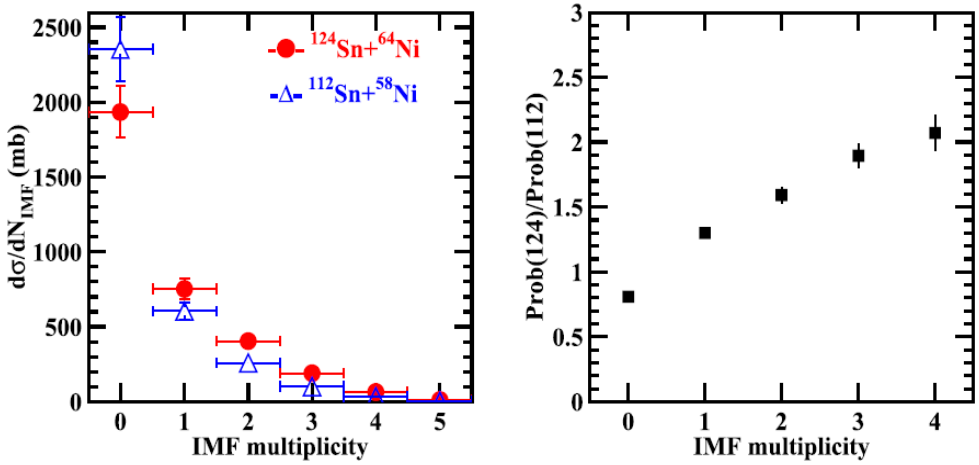
Keys: Neck emission – Time scale-clusters



Cross sections for IMFs production as a function of multiplicity associated with a PLF residue (b/bmax>0.4)



Experimental signatures:

Clear distinction of dynamical (DE) and statistical emission (SE)

Production of DE light IMFs at low densities $\rho \approx 1/3\ \rho_0$

N/Z enrichment for dynamical emitted fragments

Enhanced IMF production for neutron rich systems growing with IMF multiplicity

Open problems:

Can models describe in a coherent way IMFs and cluster formations from dynamical to evaporation phase ?

At which density does cluster formation appear ?

Models with cluster formation (like PBUU) predict a more N/Z symmetric neck region

E. De Filippo