

# LISE SIMULATIONS

Clementine Santamaria, October 20th 2015

# Simulations with $^{79}\text{Se}$

2 mm primary Be target, 6 / 3.5 mm F1 / F5 Wedge, 100 mg/cm<sup>2</sup> LH<sub>2</sub>

	Energy (MeV/u)			
	Empty target	0.5 mm Sn target	0.5 mm Sn target	0.5 mm Sn target
Energy before LH2 target	212.09	212.09	212.09	212.09
Energy before ICF	185.07	185.07	185.07	185.07
Energy before SPiRIT target	158.40	158.40	158.40	158.40
Energy after SPiRIT target	158.40	155.08	151.71	141.32
Energy before Katana	121.66	117.70	113.65	100.90
Energy after Katana	111.98	107.79	103.48	89.774

# Simulations with $^{93}\text{Zr}$

2 mm primary Be target, 5 / 2.5 mm F1 / F5 Wedge, empty secondary target

	Energy (MeV/u)			
	Empty target	0.1 mm Sn target	0.2 mm Sn target	0.5 mm Sn target
Energy at secondary target pt	215.26	215.26	215.26	215.26
Energy before ICF	200.16	200.16	200.16	200.16
Energy before SPiRIT target	170.32	170.32	170.32	170.32
Energy after SPiRIT target	170.32	166.59	162.81	151.13
Energy before Katana	129.13	124.67	120.12	105.73
Energy after Katana	118.27	113.54	108.69	93.184