

Element	A	Z	N	T1/2 s	RIBs at 40 KeV	Re-accelerated RIBs	RIBs at 40 KeV	Re-accelerated RIBs	q+ 2014	A/Q 2014	Energy Max Mev/A	Surface Ion Source SIS	Laser Ion Source LIS	Plasma Ion Source FEBIAD	HRMS	Comments
					1+ a 200 µA	C.B. eff=3-4 % Linac tr.=50%	1+ a 5 µA	C.B. eff=3-4 % Linac tr.=50%				±10 %	Legend	Legend		
									Estimated Data	▲ * (see attached Notes)						* target different from UCx. To be developed @SPES
									Experimental Data	● ** "	*Based on Comunian Formula	● 1 Feasible	● 1 Unnecessary			1st day ONLY SiC or B4C
									** (see attached Notes)	■ *** "		● 3 Upgrade to do	● 3 Recomendad			SIS= surface ion source
										● **** "		● 5 Major Upgrades	● 5 Necessary for pure beam			LIS= laser ion source
																FEBIAD= plasma source
																x = easy, xxxx= difficult
Be*	7	4	3	4.60E+06				2.E+07 **	1	● 7,0	9		● 2		● 2	B ₄ C target – oxides LIS-FEBIAD q dato stimato; per l'isotopo di massa 7 è sufficiente che il fascio passi attraverso il breeder spento
Be*	10	4	6					3.E+07 **	2	● 5,0	13		● 2		● 2	B ₄ C target – oxides
Al*	24	13	11	2.05E+00					6	● 4,0	16	● 1	● 1			SiC, CeS, Nb ₂ Si ₃ target SIS +LIS
Al*	25	13	12	7.18E+00				1E+04 **	6	● 4,2	15	● 1	● 1			SiC, CeS, Nb ₂ Si ₃ target SIS +LIS
Al*	26	13	13	6.35E+00				1E+04 **	6	● 4,3	15	● 1	● 1			SiC, CeS, Nb ₂ Si ₃ target SIS +LIS