

Ion Species	Charge State	Isotope	Ion Source	UNILAC		SIS18		Cryring	
				max. rep. rate	nominal average particle current	max. rep. rate (fast ext.)	nominal intensity per cycle @ extraction FLATTOP	esp. livetime	nominal intensity per cycle @ incjection
U	73+	238	VARIS			1 Hz	2E+09		1E+06
Pb	67+	208	VARIS			0,5 Hz	2E+09		5E+06
Au	65+	197	VARIS			1 Hz	2E+09		
	26+	197	VARIS	25 Hz*	0,1 pμA				
Xe	48+	124	MUCIS			1 Hz	3E+09		
	48+	136	MUCIS			1 Hz	5E+08		
Ag	45+	107	VARIS			1 Hz	2E+09		5E+06
Ti	22+	50	PIG			1 Hz	2E+08		
	12+	50	PIG	50 Hz	0,8 pμA				
Ca	20+	48	ECR			1 Hz	5E+08		
	10+	48	ECR	50 Hz	0,8 pμA				
Ar	18+	40	MUCIS			1 Hz	3E+10		
Mg		24	Cryring ECR						2E+06
O	8+	18	VARIS			1 Hz	5E+10		
	3+	16/18	VARIS						
N	7+	14	MUCIS			1 Hz	7E+10		
C	6+	12	ECR			1 Hz	4E+09		
	2+	12	ECR	50 Hz	2,4 pμA				
	6+	12	MUCIS (from CH3 molecule***)			1 Hz	4E+09		
		12	Cryring ECR						2E+06
H	1+	1	MUCIS (from H3 molecule**)			1 Hz	1E+09		
	1+	1	MUCIS (from CH3 molecule***)			1 Hz	8E+10		

* 50Hz is possible only with exclusive operation mode

** in parallel operation mode with high MAZ and adopted synchronous phase (higher intensity possible only while exclusive proton operation)

*** C + H parallel operation from molecule source

red: changes since last version