

**Radioactive ion beams produced at ISAC so far. The RIB acc column takes into account the following:
 Bunching efficiency for all beams: 75%
 Acceleration and transport efficiency: 80%
 Stripping and Charge breeding efficiency: 25% for A < 29 and 2% for A ≥ 29.**

Beam	t/2	Yield (s)	p+ (A)	Target	Ion Source	A (uma)	RIB acc (/s)
6He	807 ms	4,70E+05	70	TIC #2 HP	FEBIAD	6	4,70E+05
6He	807 ms	3,10E+03	70	SIC #14 HP	FEBIAD	6	3,10E+03
8He	119 ms	2,00E+07	70	TIC #2 HP	FEBIAD	8	3,00E+06
8He	119 ms	4,90E+04	70	SIC #14 HP	FEBIAD	8	7,35E+03
6Li	stable	6,10E+09	35	Ta #18	Re surface	6	6,10E+09
7Li	stable	4,50E+10	60	Ta #21HP	Re surface	7	6,75E+09
8Li	838 ms	5,50E+08	75	Ta #20 HP	Re surface	8	8,25E+07
9Li	178 ms	7,70E+07	75	Ta #20 HP	Re surface	9	1,16E+07
11Li	8,5 ms	1,50E+04	75	Ta #20 HP	Re surface	11	2,25E+03
9Be	stable	1,10E+08	35	Ta #15	TRILIS	9	1,65E+07
10Be	1,5 (106 y)	1,10E+08	35	Ta #15	TRILIS	10	1,65E+07
11Be	13,8 s	3,90E+03	35	Ta #15	TRILIS	11	2,85E+05
12Be	23,6 ms	1,00E+06	35	Ta #15	TRILIS	12	4,50E+02
13N	9,97 m	8,20E+02	70	SIC #14 HP	FEBIAD	13	1,23E+02
14O (CO+)	70,6 s	8,10E+03	70	SIC #14 HP	FEBIAD	26	1,22E+03
15O (CO+)	2,04 m	3,40E+05	70	SIC #14 HP	FEBIAD	27	5,10E+04
19O (CO+)	26,9 s	3,40E+03	70	TIC #2 HP	FEBIAD	31	4,08E+01
20O (CO+)	13,5 s	5,30E+02	70	TIC #2 HP	FEBIAD	32	6,36E+00
17F	1,08 m	5,70E+05	70	SIC #14 HP	FEBIAD	17	8,55E+04
18F	1,8 h	2,80E+06	70	SIC #14 HP	FEBIAD	18	4,20E+05
20F	11,1 s	1,20E+05	70	SIC #14 HP	FEBIAD	20	1,80E+04
21F	4,16 s	3,40E+04	70	SIC #14 HP	FEBIAD	21	5,10E+03
17F (AF+)	1,08 m	1,80E+05	70	SIC #14 HP	FEBIAD	44	2,16E+03
18F (AF+)	1,8 h	6,90E+05	70	SIC #14 HP	FEBIAD	45	8,28E+03
20F (AF+)	11,1 s	1,70E+04	70	SIC #14 HP	FEBIAD	47	2,04E+02
21F (AF+)	4,16 s	1,20E+04	70	SIC #14 HP	FEBIAD	48	1,44E+02
22F (AF+)	4,23 s	5,50E+01	70	SIC #14 HP	FEBIAD	49	6,60E+01
17Ne	109 ms	1,70E+03	70	SIC #14 HP	FEBIAD	17	2,55E+02
18Ne	1,67 s	2,00E+05	70	SIC #14 HP	FEBIAD	18	3,00E+04
19Ne	17,2 s	3,70E+06	70	SIC #14 HP	FEBIAD	19	5,55E+05
24Ne	3,38 m	3,40E+04	70	SIC #14 HP	FEBIAD	24	5,10E+03
25Ne	602 ms	2,50E+02	70	SIC #14 HP	FEBIAD	25	3,75E+01
17Ne	109 ms	5,80E+02	70	TIC #2 HP	FEBIAD	17	8,40E+01
18Ne	1,67 s	4,30E+04	70	TIC #2 HP	FEBIAD	18	6,45E+03
19Ne	17,2 s	5,00E+05	70	TIC #2 HP	FEBIAD	19	7,50E+04
23Ne	37,2 s	1,60E+07	70	TIC #2 HP	FEBIAD	23	2,40E+06
24Ne	3,38 m	2,40E+06	70	TIC #2 HP	FEBIAD	24	3,60E+05
25Ne	602 ms	1,30E+05	70	TIC #2 HP	FEBIAD	25	1,95E+04
20Na	448 ms	1,70E+08	70	SIC #12 HP	Re surface	20	2,55E+07
21Na	22,5 s	1,10E+10	70	SIC #12 HP	Re surface	21	1,65E+09
22Na	2,6 y	1,20E+12	70	SIC #12 HP	Re surface	22	1,80E+11
24gNa	14,95 h	6,50E+10	70	SIC #12 HP	Re surface	24	9,75E+09
24mNa	20,2 ms	4,20E+06	70	SIC #12 HP	Re surface	24	6,30E+05
25Na	59,3 s	2,20E+09	70	SIC #12 HP	Re surface	25	3,30E+08
26Na	1,07 s	3,90E+07	70	SIC #12 HP	Re surface	26	5,85E+06
27Na	290 ms	1,50E+06	70	SIC #12 HP	Re surface	27	2,25E+05
20Na	448 ms	9,50E+02	70	Ta #22 HP	Re surface	20	1,43E+02
21Na	22,5 s	5,30E+05	70	Ta #22 HP	Re surface	21	7,95E+04
22Na	2,6 y	1,40E+08	70	Ta #22 HP	Re surface	22	2,10E+07
24gNa	14,95 h	2,80E+07	70	Ta #22 HP	Re surface	24	4,20E+06
24mNa	20,2 ms	1,70E+05	70	Ta #22 HP	Re surface	24	2,55E+04
25Na	59,3 s	1,00E+08	70	Ta #22 HP	Re surface	25	1,50E+07
26Na	1,07 s	5,90E+06	70	Ta #22 HP	Re surface	26	8,85E+05
27Na	290 ms	1,30E+06	70	Ta #22 HP	Re surface	27	1,95E+05
28Na	30,5 ms	1,40E+04	70	Ta #22 HP	Re surface	28	2,10E+03
29Na	44 ms	2,70E+03	70	Ta #22 HP	Re surface	29	3,24E+01
30Na	50 ms	1,30E+03	70	Ta #22 HP	Re surface	30	1,56E+01
31Na	17,2 ms	1,10E+02	70	Ta #22 HP	Re surface	31	1,32E+00
23Mg	11,32 s	1,60E+06	70	SIC #14 HP	FEBIAD	23	2,40E+05
27Mg	9,45 m	4,30E+06	70	TIC #2 HP	FEBIAD	27	6,45E+05
29Mg	1,3 s	2,00E+03	70	TIC #2 HP	FEBIAD	29	2,40E+01
26gAl	7,1 (105 y)	5,10E+10	70	SIC #12 HP	TRILIS	26	7,65E+09
26mAl	6,35 s	3,10E+06	70	SIC #12 HP	TRILIS	26	4,65E+05
28Al	2,25 m	5,70E+05	65	SIC #12 HP	TRILIS	28	8,55E+04
29Al	6,5 m	2,50E+05	65	SIC #12 HP	TRILIS	29	3,00E+03
26gAl	7,1 (105 y)	1,10E+10	70	SIC #12 HP	Re surface	26	1,65E+09
26mAl	6,35 s	3,80E+05	70	SIC #12 HP	Re surface	26	5,70E+04
28Al	2,25 m	2,10E+05	65	SIC #12 HP	Re surface	28	3,15E+04
29Al	6,5 m	8,60E+04	65	SIC #12 HP	Re surface	29	1,03E+03
26gAl	7,1 (105 y)	1,20E+09	70	SIC #14 HP	FEBIAD	26	1,80E+08
26mAl	6,35 s	1,90E+02	70	SIC #14 HP	FEBIAD	26	2,85E+01
26mAl	6,35 s	2,10E+04	70	TIC #2 HP	FEBIAD	26	3,15E+03
28Al	2,25 m	7,90E+04	70	TIC #2 HP	FEBIAD	28	1,19E+04
29Al	6,5 m	2,20E+07	70	TIC #2 HP	FEBIAD	29	2,64E+05
30Al	3,68 s	7,40E+03	70	TIC #2 HP	FEBIAD	30	8,88E+01
26gAl	7,1 (105 y)	2,20E+07	70	Ta #22 HP	Re surface	26	3,30E+06
26mAl	6,35 s	9,30E+03	70	Ta #22 HP	Re surface	26	1,40E+03
28Al	2,25 m	1,30E+06	70	Ta #22 HP	Re surface	28	1,95E+05
29Al	6,5 m	7,00E+05	70	Ta #22 HP	Re surface	29	8,40E+03
30Al	3,68 s	3,10E+03	70	Ta #22 HP	Re surface	30	3,72E+01
31Al	640 ms	9,50E+02	70	Ta #22 HP	Re surface	31	1,14E+01
34mCl	32 m	1,40E+07	70	TIC #2 HP	FEBIAD	34	1,68E+05
38gCl	37,2 m	2,20E+08	70	TIC #2 HP	FEBIAD	38	2,64E+06
39Cl	55,6 m	1,20E+08	70	TIC #2 HP	FEBIAD	39	1,44E+06
40Cl	1,38 m	2,10E+06	70	TIC #2 HP	FEBIAD	40	2,52E+04
41Cl	34 s	2,00E+05	70	TIC #2 HP	FEBIAD	41	2,40E+03
34mCl (HCI+)	32 m	4,90E+07	70	TIC #2 HP	FEBIAD	34	5,88E+05
38gCl (HCI+)	37,2 m	6,50E+08	70	TIC #2 HP	FEBIAD	38	7,80E+06
39Cl (HCI+)	55,6 m	2,00E+08	70	TIC #2 HP	FEBIAD	39	2,40E+06
40Cl (HCI+)	1,38 m	3,90E+06	70	TIC #2 HP	FEBIAD	40	3,96E+04
41Cl (HCI+)	34 s	2,30E+04	70	TIC #2 HP	FEBIAD	41	3,48E+02
34mCl (Cl2+)	32 m	1,30E+06	70	TIC #2 HP	FEBIAD	34	1,56E+04
38gCl (Cl2+)	37,2 m	1,40E+07	70	TIC #2 HP	FEBIAD	38	1,68E+05
40Cl (Cl2+)	1,38 m	9,40E+04	70	TIC #2 HP	FEBIAD	40	1,13E+03
33Ar	174 ms	7,00E+02	70	TIC #2 HP	FEBIAD	33	8,40E+00
35Ar	844 ms	2,90E+04	70	TIC #2 HP	FEBIAD	35	3,48E+02
37Ar	1,77 s	6,50E+06	70	TIC #2 HP	FEBIAD	37	7,80E+04
41Ar	1,83 h	7,00E+08	70	TIC #2 HP	FEBIAD	41	8,40E+06
43Ar	5,4 m	1,60E+07	70	TIC #2 HP	FEBIAD	43	1,92E+05
44Ar	11,9 m	2,20E+06	70	TIC #2 HP	FEBIAD	44	2,64E+04
45Ar	21,5 s	7,50E+04	70	TIC #2 HP	FEBIAD	45	9,00E+02
35K	190 ms	3,50E+03	40	TIC #1	Re surface	35	4,20E+01
36K	342 ms	2,90E+05	40	TIC #1	Re surface	36	3,48E+03
37K	1,23 s	6,40E+07	40	TIC #1	Re surface	37	7,68E+05
38gK	924 ms	1,80E+10	40	TIC #1	Re surface	38	2,16E+08
38mK	7,6 m	7,40E+07	40	TIC #1	Re surface	38	8,88E+05
42K	12,4 h	1,50E+11	40	TIC #1	Re surface	42	1,80E+09
43K	22,3 h	4,60E+10	40	TIC #1	Re surface	43	5,52E+08
44K	22,1 m	2,60E+10	40	TIC #1	Re surface	44	3,12E+08
45K	17,8 m	1,60E+09	40	TIC #1	Re surface	45	1,92E+07
38gK	924 ms	8,70E+07	70	TIC #2 HP	FEBIAD	38	1,04E+06
42K	12,4 h	1,00E+08	70	TIC #2 HP	FEBIAD	42	1,20E+06
43K	22,3 h	1,90E+09	70	TIC #2 HP	FEBIAD	43	2,28E+07
44K	22,1 m	3,10E+08	70	TIC #2 HP	FEBIAD	44	3,72E+06
45K	17,8 m	8,90E+07	70	TIC #2 HP	FEBIAD	45	1,07E+06
46K	1,8 m	5,80E+06	70	TIC #2 HP	FEBIAD	46	6,96E+04
37K	1,23 s	3,30E+03	55	Ta #13 HP	Re surface	37	3,96E+01
38gK	924 ms	8,20E+05	55	Ta #13 HP	Re surface	38	9,84E+03
38mK	7,6 m	3,70E+04	55	Ta #13 HP	Re surface	38	4,44E+02
42K	12,4 h	2,80E+08	55	Ta #13 HP	Re surface	42	3,36E+06
43K	22,3 h	2,90E+08	55	Ta #13 HP	Re surface	43	3,48E+06
44K	22,1 m	1,20E+08	55	Ta #13 HP	Re surface	44	1,44E+06
47K	17,5 s	2,40E+06	55	Ta #13 HP	Re surface	47	2,88E+04
48K	6,8 s	7,90E+04	55	Ta #13 HP	Re surface	48	9,48E+02
49K	1,26 s	2,60E+04	55	Ta #13 HP	Re surface	49	3,12E+02
50K	472 ms	2,90E+03	55	Ta #13 HP	Re surface	50	3,48E+01
51K	365 ms	8,30E+01	55	Ta #13 HP	Re surface	51	9,96E+01
52K	105 ms	3,00E+00	55	Ta #13 HP	Re surface	52	3,60E+02
36K	342 ms	5,40E+01	15	Nb5Si3 #1	Re surface	36	6,48E+01
37K	1,23 s	3,60E+03	15	Nb5Si3 #1	Re surface	37	4,32E+01
38gK	924 ms	9,80E+04	15	Nb5Si3 #1	Re surface	38	1,18E+03
38mK	7,6 m	9,50E+03	15	Nb5Si3 #1	Re surface	38	1,14E+02
43K	22,3 h	1,30E+06	15	Nb5Si3 #1	Re surface	43	1,56E+04
44K	22,1 m	1,20E+05	15	Nb5Si3 #1	Re surface	44	1,44E+03
45K	17,8 m	3,40E+04	15	Nb5Si3 #1	Re surface	45	4,08E+02
46K	1,8 m	1,40E+03	15	Nb5Si3 #1	Re surface	46	1,68E+01
47K	17,5 s	2,30E+02	15	Nb5Si3 #1	Re surface	47	2,76E+00
48K	6,8 s	2,00E+01	15	Nb5Si3 #1	Re surface	48	2,40E+01
38Ca (CaF+)	440 ms	2,80E+03	40	TIC #1	Re surface	38	3,36E+01
39Ca	861 ms	3,00E+04	40	TIC #1	Re surface	39	3,60E+02
39Ca (CaF+)	861 ms	1,10E+05	40	TIC #1	Re surface	39	1,32E+03
48Ca	8,7 m	1,10E+06	55	Ta #13 HP	Re surface	49	1,32E+04
50Ca	14 s	1,20E+05	55	Ta #13 HP	Re surface	50	1,44E+03
51Ca	10 s	7,80E+03	55	Ta #13 HP	Re surface	51	9,12E+01
52Ca	4,6 s	7,50E+02	55	Ta #13 HP	Re surface	52	9,00E+00
50Sc	1,7 m	2,20E+05	55	Ta #13 HP	Re surface	50	2,64E+03
51Sc	12,4 s	3,30E+04	55	Ta #13 HP	Re surface	51	3,96E+02
52Sc	8,2 s	4,90E+03	55	Ta #13 HP	Re surface	52	5,88E+01
51Ti	5,76 s	2,20E+05	55	Ta #13 HP	Re surface	51	2,64E+03
52Ti	1,7 m	4,50E+04	55	Ta #13 HP	Re surface	52	5,40E+02
61Ga	168 ms	1,20E+02	35	ZrC #3	TRILIS	61	1,44E+00
62Ga	116 ms	9,60E+03	3				