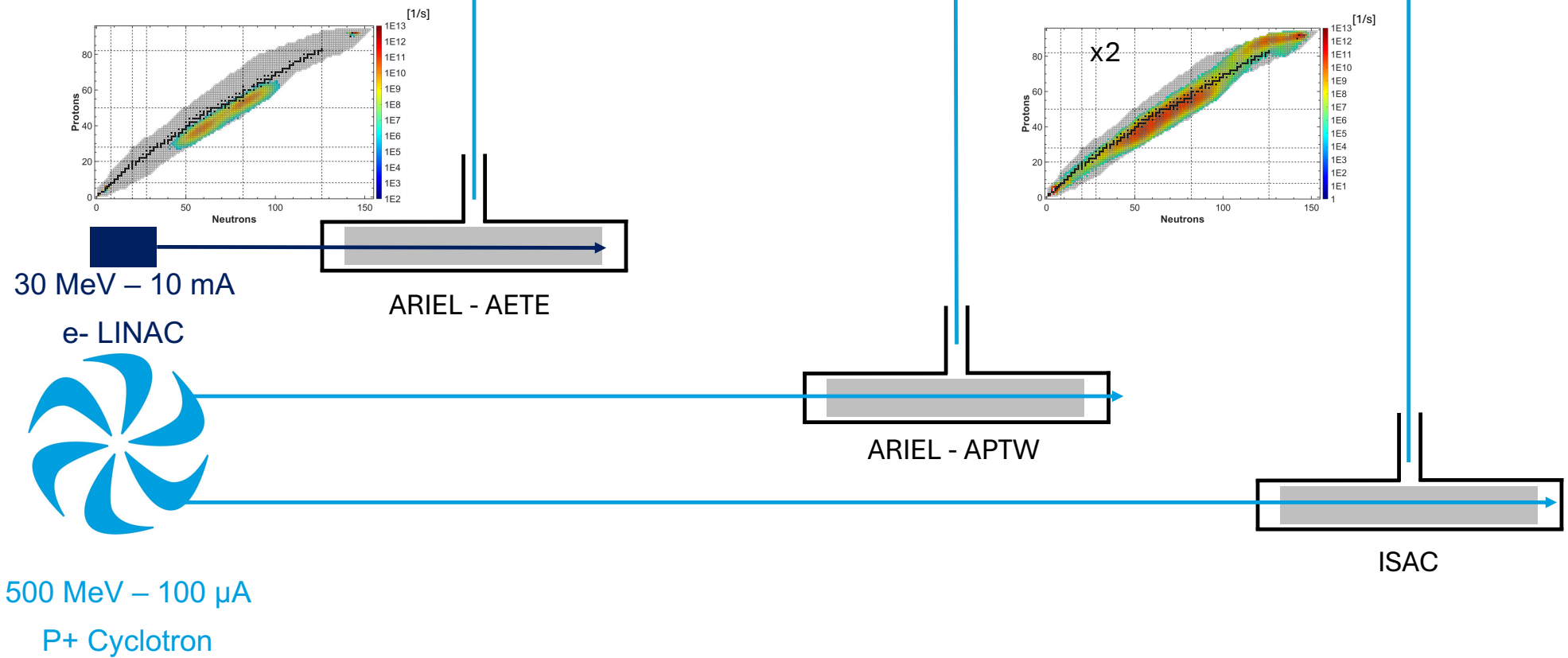


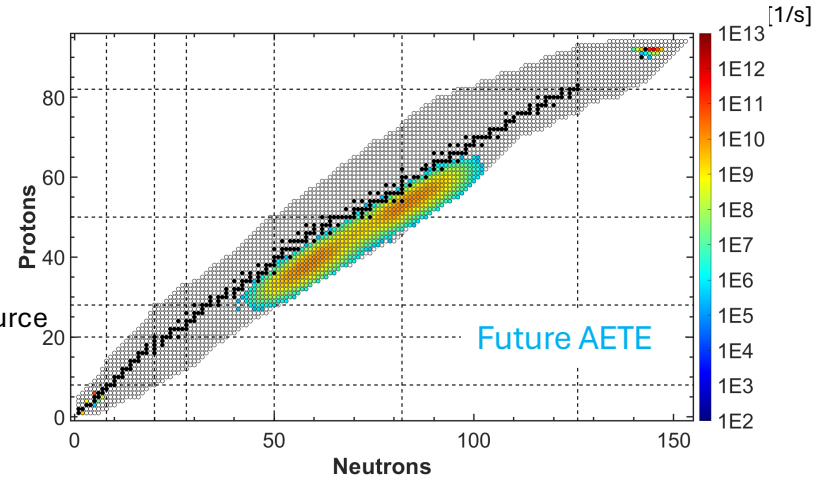
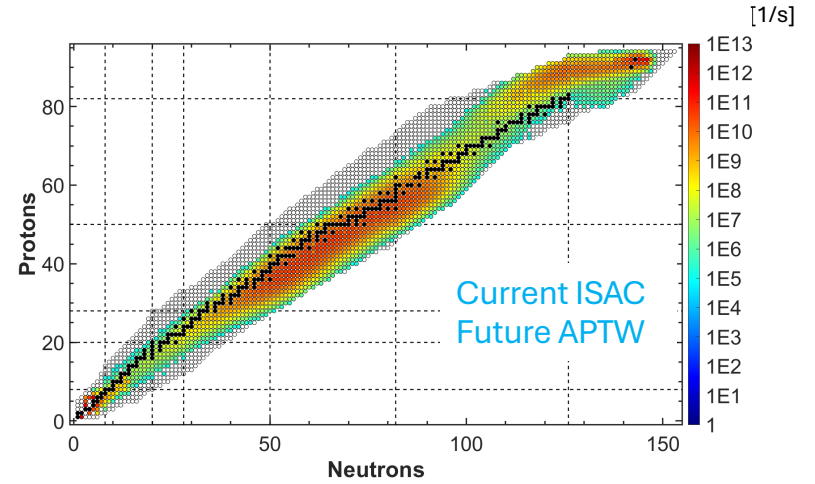
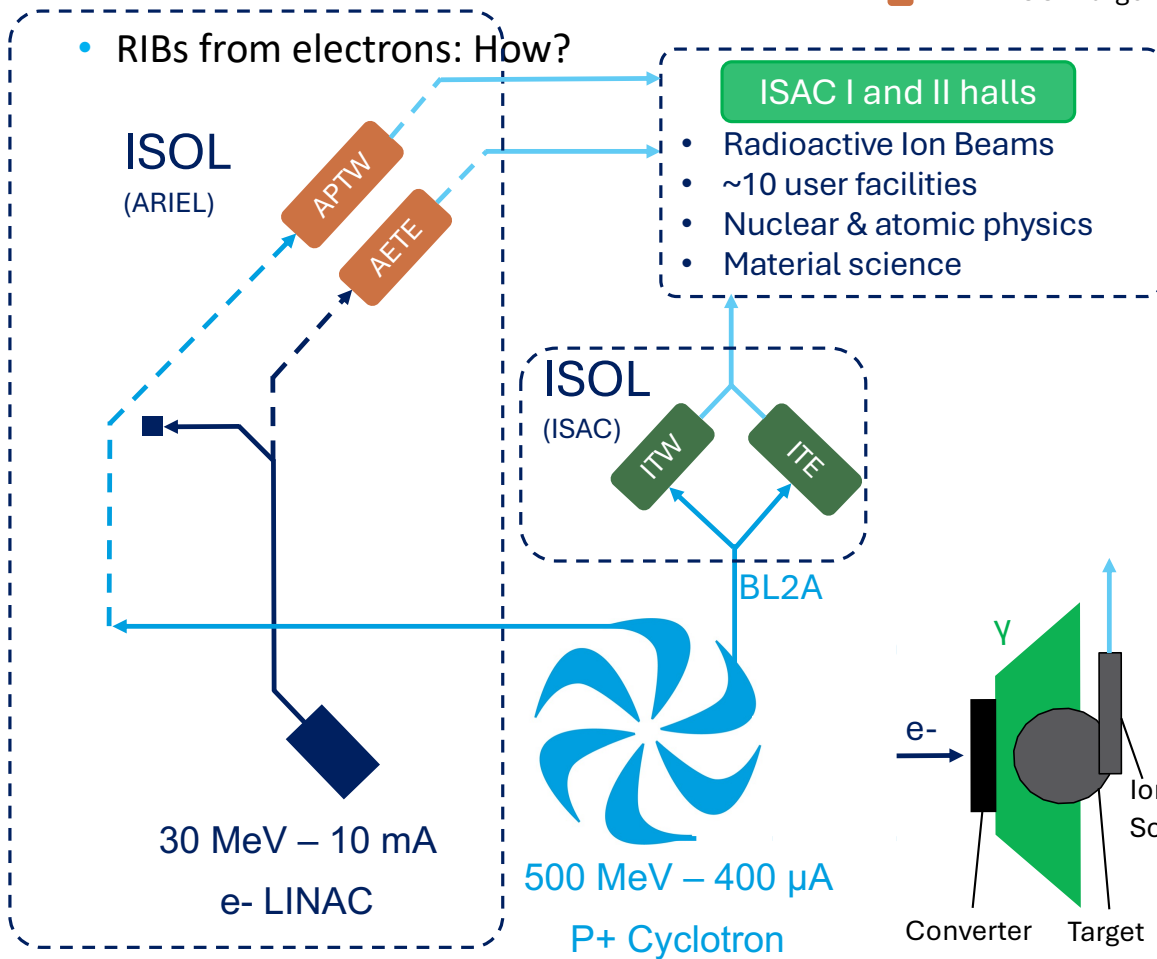
Three parallel RIBs once ARIEL is operational

ISAC I and ISAC-II halls



- User facilities
- ISAC ISOL targets (since 2000s)
- ARIEL ISOL targets (from 2027)
- Cyclotron & beamlines (since ~1975)
- RIB lines
- E-linac and beamline (since ~2013)

• RIBs from electrons: How?

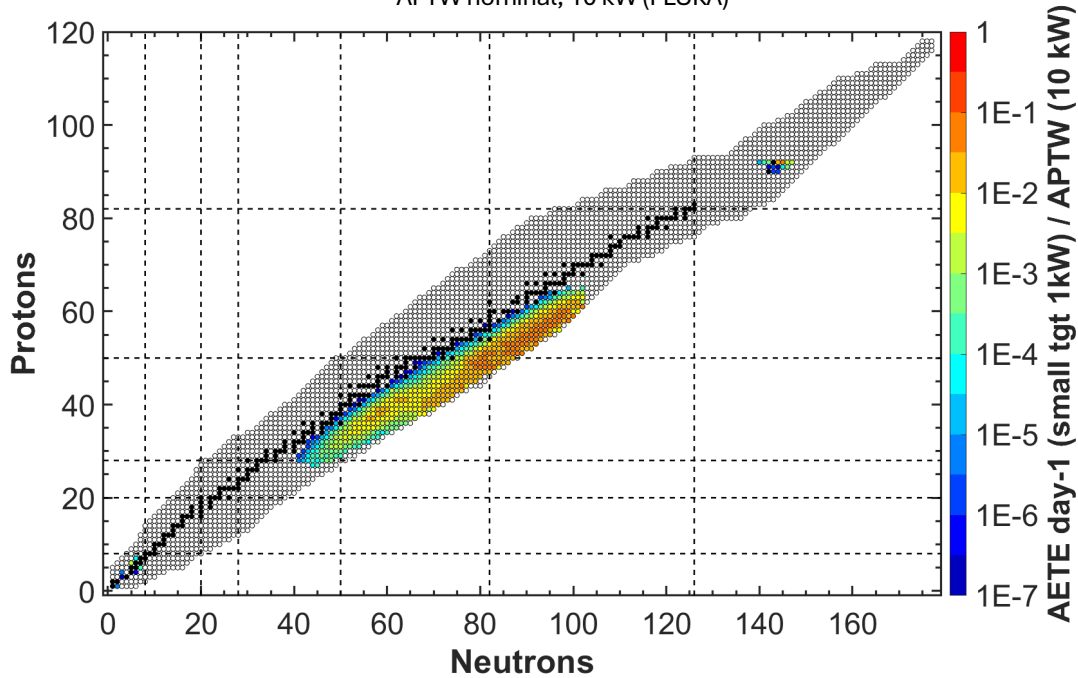


- User facilities
- ISAC ISOL targets (since 2000s)
- ARIFL ISOL targets (from 2027)
- Cyclotron & beamlines (since ~1975)
- RIB lines
- E-linac and beamline (since ~2013)

RIBs from electrons: How?

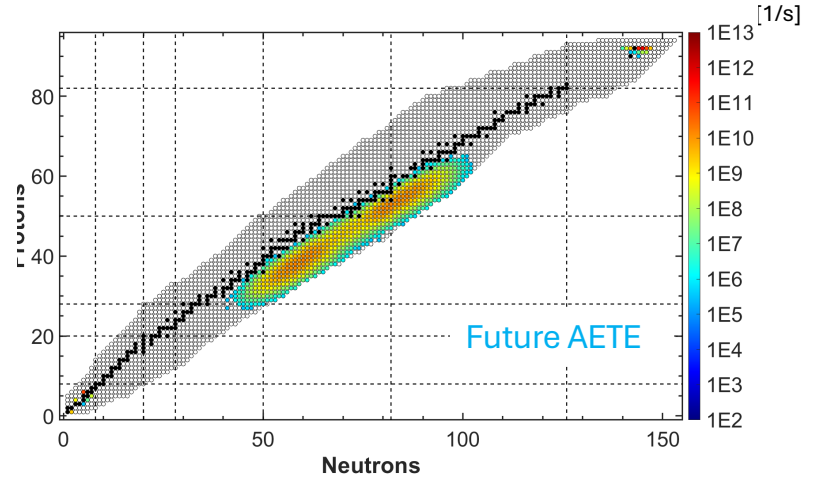
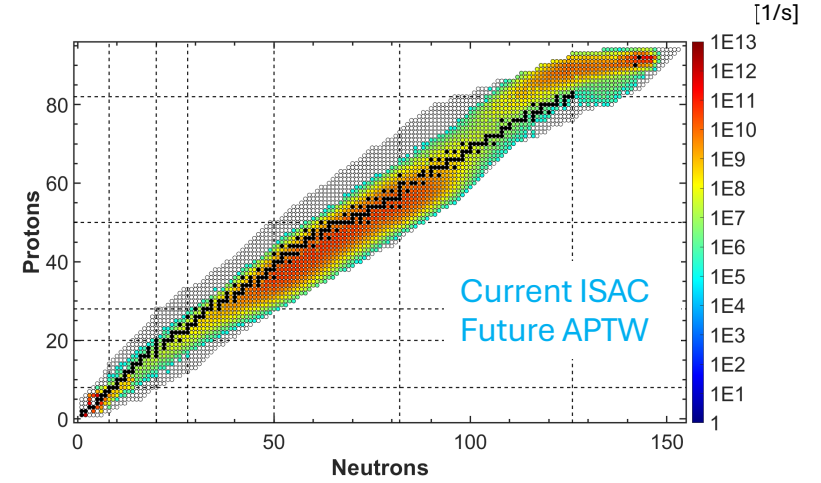
APTW nominal, 10 kW (FLUKA)

ISAC Land II balls

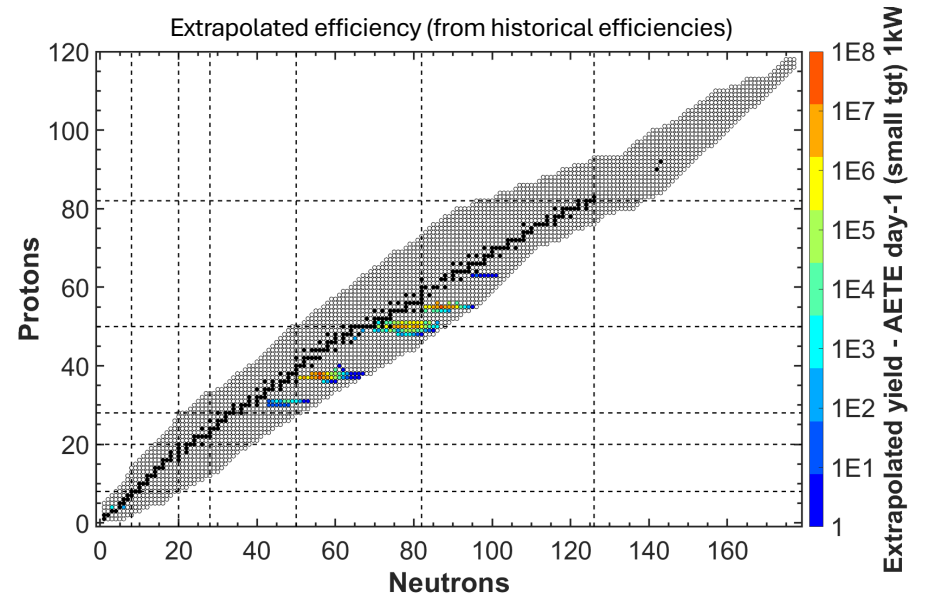
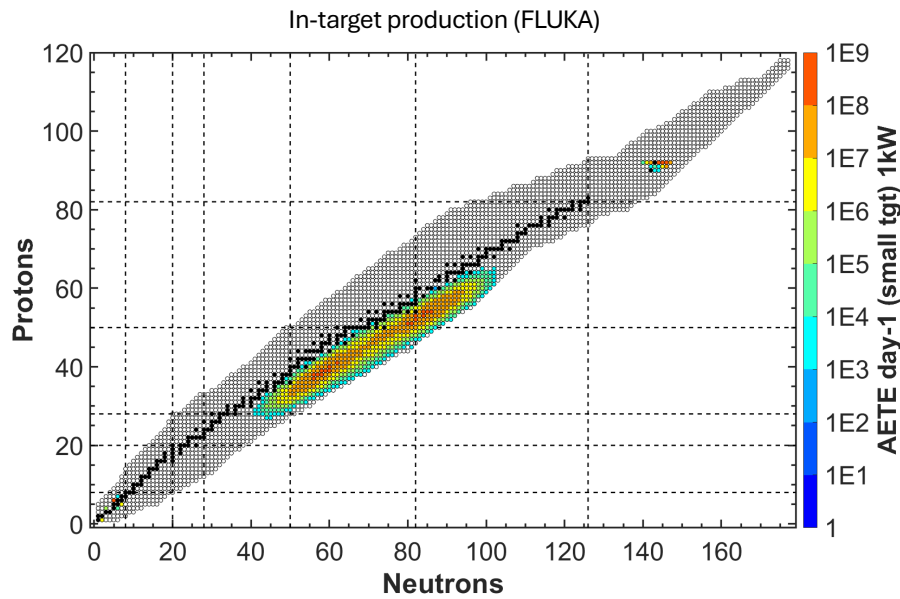


30 MeV – 10 mA
e- LINAC

Neutrons
500 MeV – 400 μA
P+ Cyclotron

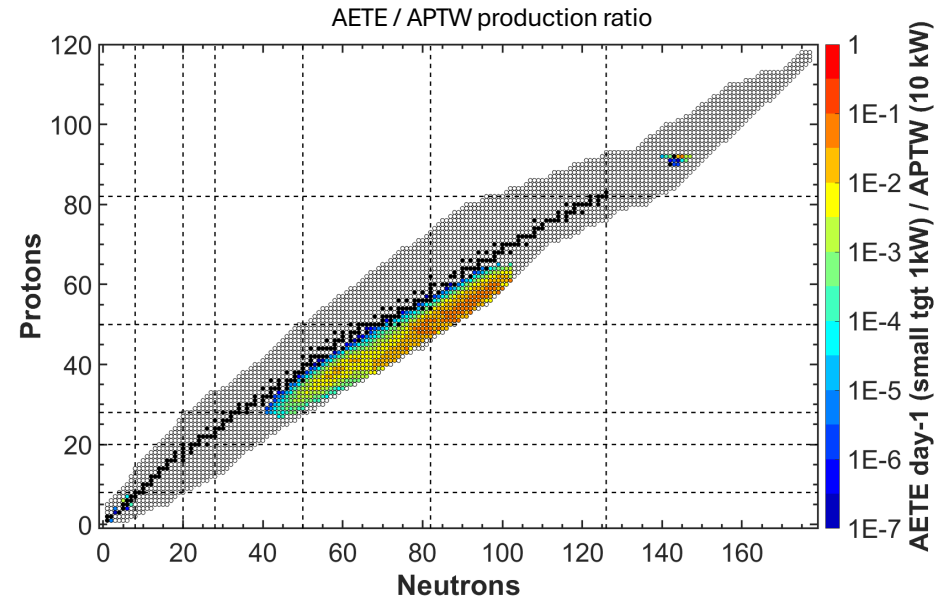
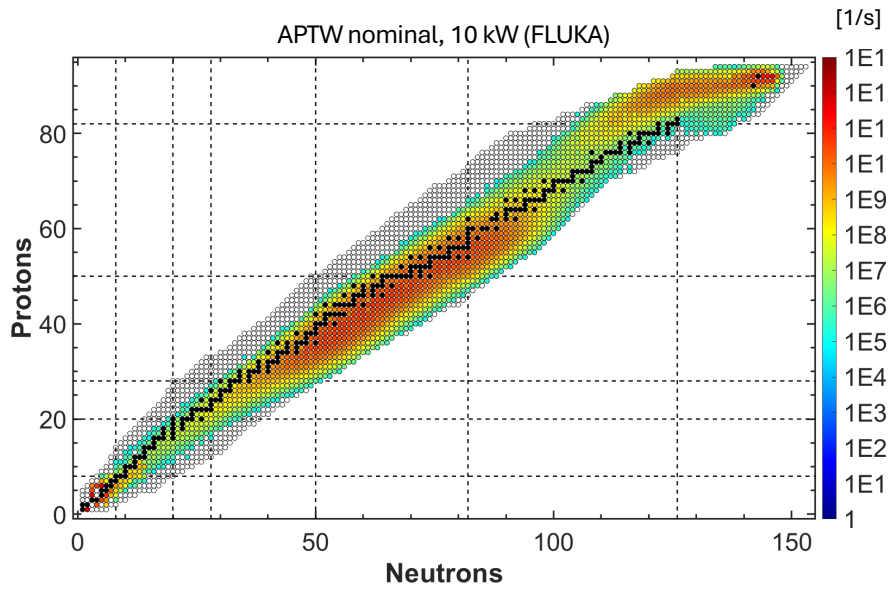


AETE Projected Yields



	AETE day-1, 1kW (FLUKA)	Extrapolated yields
85Ga	8.08E+03	0 (not true, yield just not available in database)
150Cs	2.42E+04	5.93E+00
150Ba	2.42E+06	0 (probably just never measured?)
130Cd	5.90E+05	7.25E+00
135Sn	7.15E+05	6.41E+03

AETE / APTW Yield Comparison



	AETE day-1, 1kW (FLUKA)	APTW nominal, 10 kW (FLUKA)
85Ga	8.08E+03	3.58E+07
150Cs	2.42E+04	8.65E+05
150Ba	2.42E+06	3.19E+07
130Cd	5.90E+05	8.80E+06
135Sn	7.15E+05	1.49E+07