

Foil (thickness)	Reaction	T _{1/2}	Threshold (@10 mb)	Gamma	Nat. (γ) Abund.	# Vault (Cave01) [per src]
Rh (0.1mm)	¹⁰³ Rh(n,n') ^{103m} Rh	56.114 min	39.8 (80) keV	β	100 (-)	TBD
In (1mm)	¹¹⁵ In(n,n') ^{115m} In	4.486 hr	336 (597) keV	335 keV	95.71 (45.8)	TBD
	¹¹⁵ In(n,g) ^{116m} In	54.29 min	Thermal+	1293.56	95.7 (84.8?)	TBD
Ni (1mm)	⁵⁸ Ni(n,p) ^{58g} Co	70.86 days	0 (1.3) MeV	810.76 keV	60.08 (99.45)	TBD
	⁵⁸ Ni(n,2n) ⁵⁷ Ni	35.60 hr	12.2 (13.3) MeV	1.378 MeV	60.08 (81.7)	TBD
	⁴⁶ Ti(n,2n) ⁴⁷ Sc	184.8 min	13.2 (13.9) MeV	511.0 keV	8.25 (169.6)	TBD
Ti (0.1mm)	⁴⁷ Ti(n,p) ⁴⁷ Sc	3.3492 days	0.0 (2.0) MeV	159.38 keV	7.44 (68.3)	TBD
	⁴⁸ Ti(n,p) ⁴⁸ Sc	43.67 hrs	3.21 (7.1) MeV	1312.12 keV	73.72 (100.1)	TBD
	⁴⁹ Ti(n,p) ⁴⁹ Sc	57.18 min	1.22 (8.8) MeV	1761.9 keV	5.41 (0.05)	TBD
	⁴⁹ Ti(n,np) ⁴⁸ Sc	43.67 hrs	11.35 (15.2) MeV	1312.12 keV	5.41 (100.1)	TBD
Al (1mm)	²⁷ Al(n,p) ²⁷ Mg	9.458 min	1.83 (4.2) MeV	843.76 keV	100 (71.8)	TBD
	²⁷ Al(n,a) ²⁴ Na	14.997 hr	3.13 (6.7) MeV	1368.63 keV	100 (99.99)	TBD
Au (0.254 mm)	¹⁹⁷ Au(n,g) ¹⁹⁸ Au	2.694 days	Thermal+	411.8 keV	100 (95.62)	TBD
	¹⁹⁷ Au(n,2n) ¹⁹⁶ Au	6.1167 days	8.06 (8.3) MeV	355.7 keV ¹	100 (80.9) ¹	TBD
Pr (0.1 mm)	¹⁴¹ Pr(n,2n) ¹⁴⁰ Pr	3.39 min	9.39 (9.6) MeV	511.0 keV	100 (102)	TBD
Cu (0.1 mm)	⁶³ Cu(n,2n) ⁶² Cu	9.67 min	10.85 (11.4) MeV	511.0 keV	69.17 (195.66)	TBD
	⁶⁵ Cu(n,2n) ⁶⁴ Cu	12.701 hr	9.91 (10.2) MeV	511.0 keV	31.83 (21.65)	TBD
Zr (1mm)	⁹⁰ Zr(n,2n) ⁸⁹ Zr	78.41 hr	11.97 (12.1) MeV	909.15 keV	51.45 (99.04)	TBD

¹ A long lived (9.4) hr isomer state exists and may be worth using instead

Table 1: Activation foil parameters.