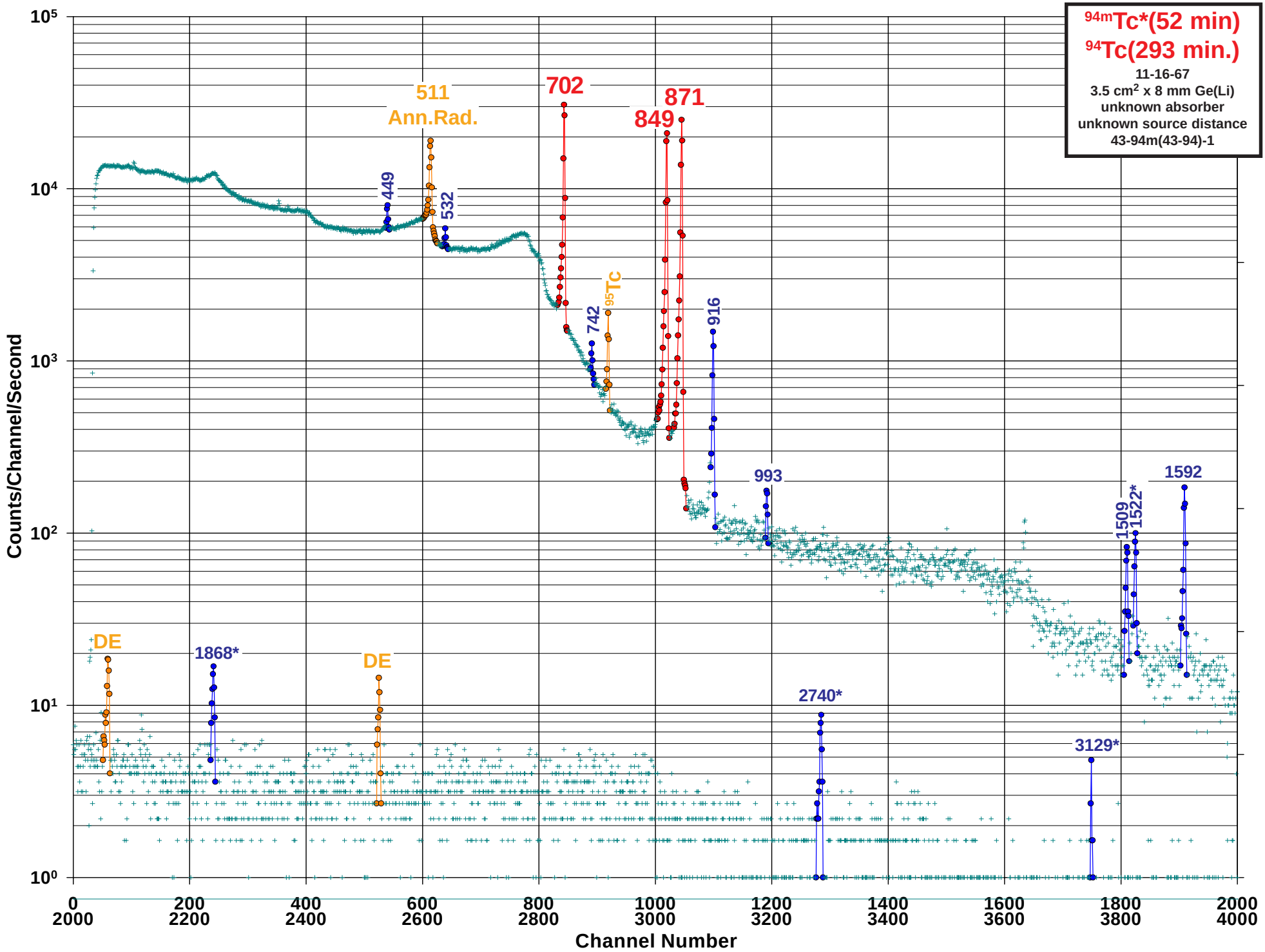
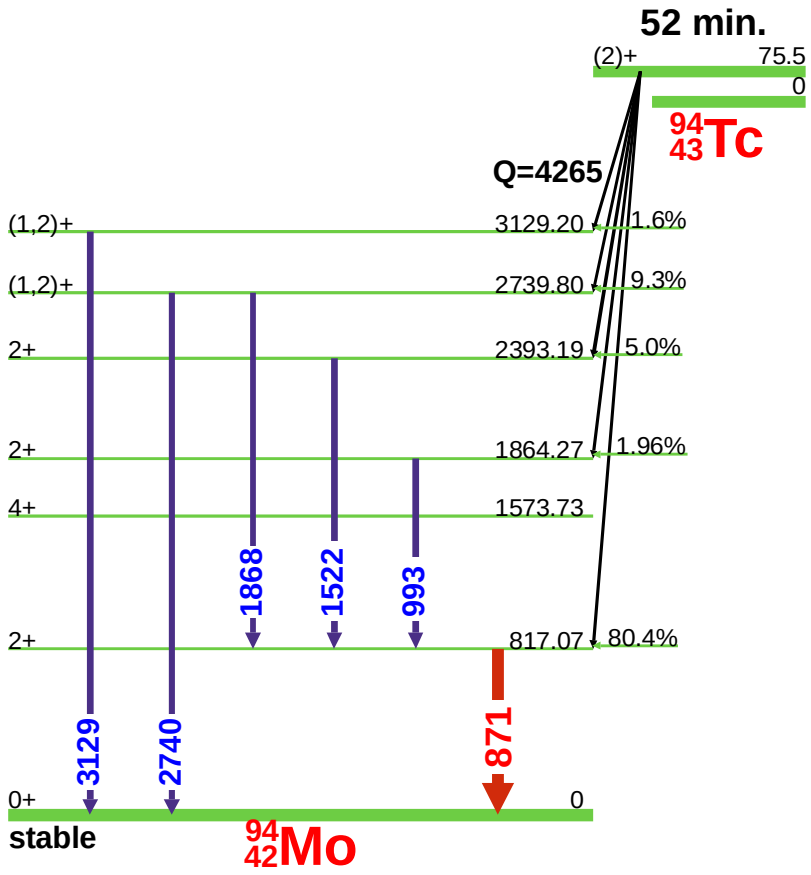
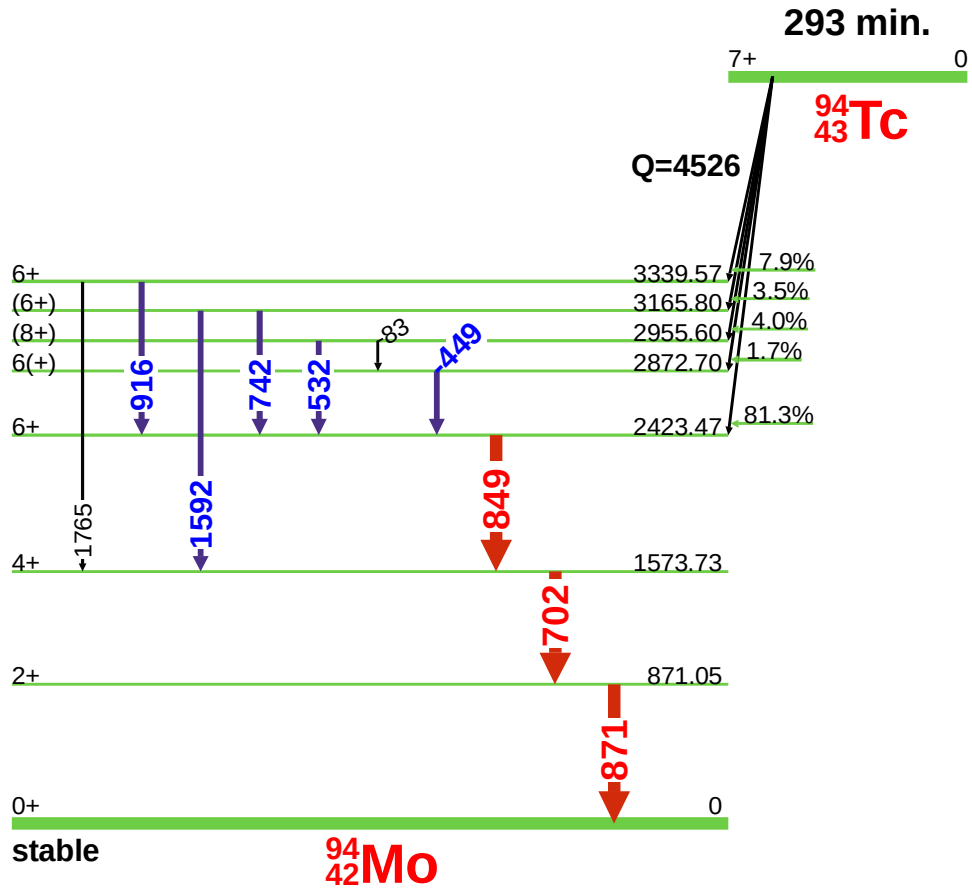

94mTc*(52 min)
94Tc(293 min.)
11-16-67
3.5 cm2 x 8 mm Ge(Li)
unknown absorber
unknown source distance
43-94m(43-94)-1
511
Ann.Rad.
702
871
849
449
532
95Tc
742
916
993
1592
1509
1522*
DE
1868*
DE
2740*
3129*
Counts/Channel/Second
Channel Number

^{94m}Tc*(52 min.) Decay Scheme



^{94}Tc(293 min.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: $^{94m}Tc^{*}$ - ^{94}Tc

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

Half Life: 52.0(10) min.* – 293(1) min.

Detector: 3.5 cm^2 x 8 mm Ge (Li)

Method of Production: Mo(p,xn)

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	83.	0.		0.49		4
	449.2	0.3	2.7	3.3	0.3	3
Ann.	511.006			20.8	0.6	2
* Ann.	511.006			139.0	1.2	
	532.1	0.3	2.2	2.35	0.25	4
	702.67	0.07	99.8	99.6	1.8	1
	742.30	0.20	1.2	1.21	0.18	4
	849.74	0.07	97.7	95.7	1.8	1
*	871.05	0.07	100	94.2	0.5	1
	871.05	0.07		99.9		
*	875.1	0.3	1.6	0.79	0.19	4
	916.10	0.15	7.4	7.6	0.4	2
*	993.19	0.09	2.3	2.21	0.03	4
*	998.2	0.3		0.217	0.019	4
*	1005.8	0.3		0.15	0.08	4
*	1022.2	0.3		0.27	0.14	4
*	1037.2	0.3		0.044	0.014	4
*	1101.3	0.3		0.042	0.014	4
*	1196.4	0.3		0.75	0.09	4
*	1264.9	0.4		0.22	0.08	4
*	1357.4	1.5		0.19	0.08	4
*	1499.0	0.3		0.058	0.019	4
	1509.3	0.4	0.7	0.68	0.07	4
*	1522.10	0.20	5.6	4.52	0.28	3
	1592.1	0.3	2.4	2.25	0.20	2
*	1670.1	0.3		0.035	0.011	4

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
*	1757.9	0.3		0.151	0.019	4
	1765.6	0.7		0.29	0.05	4
*	1769.9	0.3		0.019	0.008	4
*	1864.			0.2355	0.0013	4
*	1868.68	0.08	6.2	5.75	0.28	2
*	1928.8	2.0		0.08	0.05	4
*	2027.5	0.3		0.024	0.006	4
*	2067.4	0.5		0.085	0.028	4
*	2257.5	0.3		0.053	0.017	4
*	2292.2	0.3		0.050	0.017	4
*	2393.2	0.4		0.47	0.19	4
*	2529.8	0.3		0.31	0.08	4
*	2577.2	2.0		0.12	0.05	4
*	2641.6	1.5		0.035	0.008	4
*	2664.1	2.0		0.07	0.06	4
*	2740.1	0.3	4.5	3.5	0.3	2
*	2869.9	0.3		0.021	0.007	4
*	3021.6	1.0		0.08	0.06	4
*	3065.6	0.3		0.011	0.004	4
*	3085.8	0.3		0.016	0.004	4
*	3129.1	0.5	2.7	1.38	0.14	2
*	3400.8	0.3		0.0047	0.0019	4
*	3447.0	0.3		0.0047	0.0019	4
*	3512.5	1.5		0.056	0.019	4
*	3640.6	0.3		0.0066	0.0019	4
*	3793.1	1.5		0.047	0.019	4
*	3892.7	2.5		0.015	0.009	4
*	4136.2	0.3		0.0066	0.0009	4