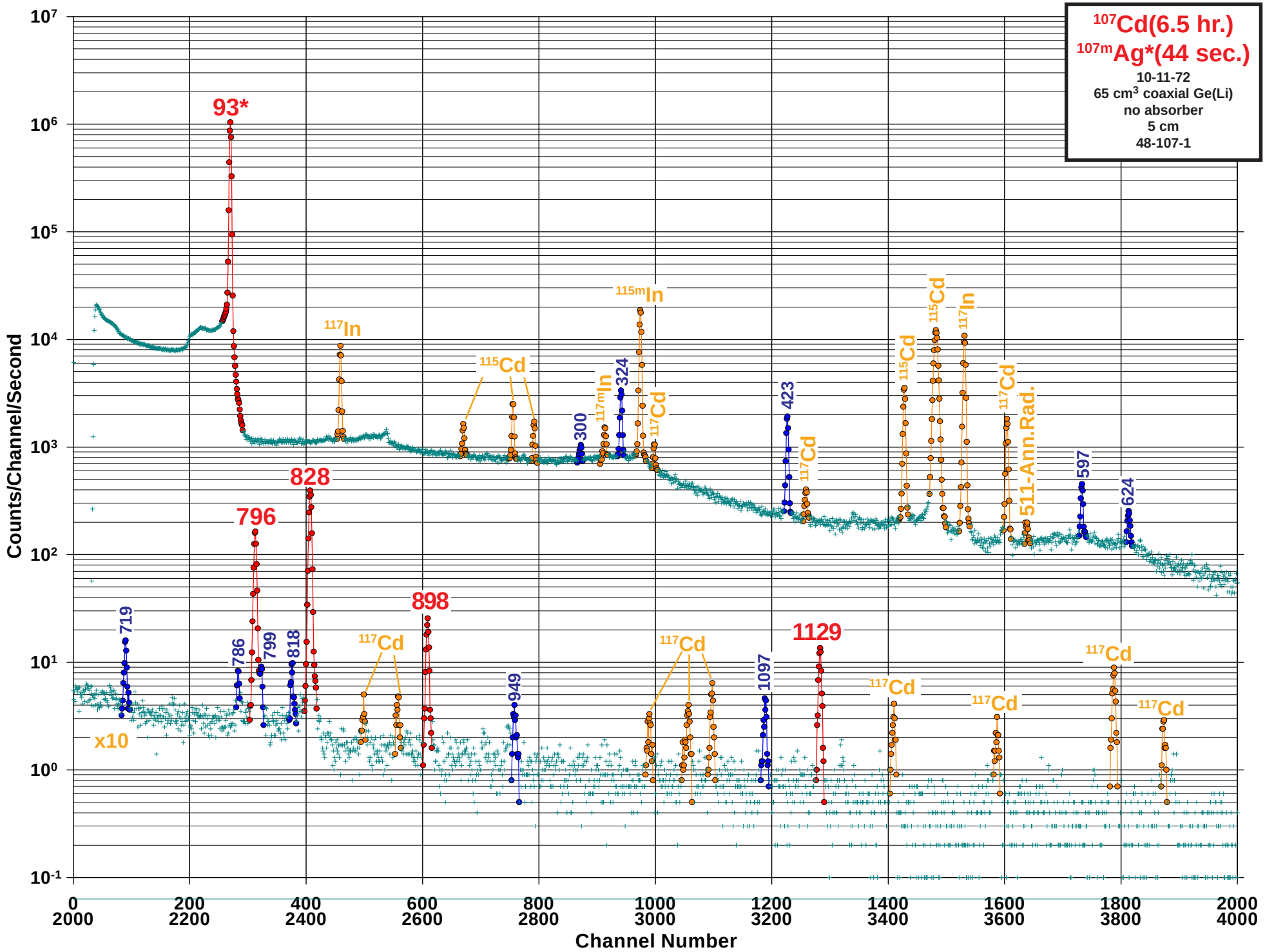

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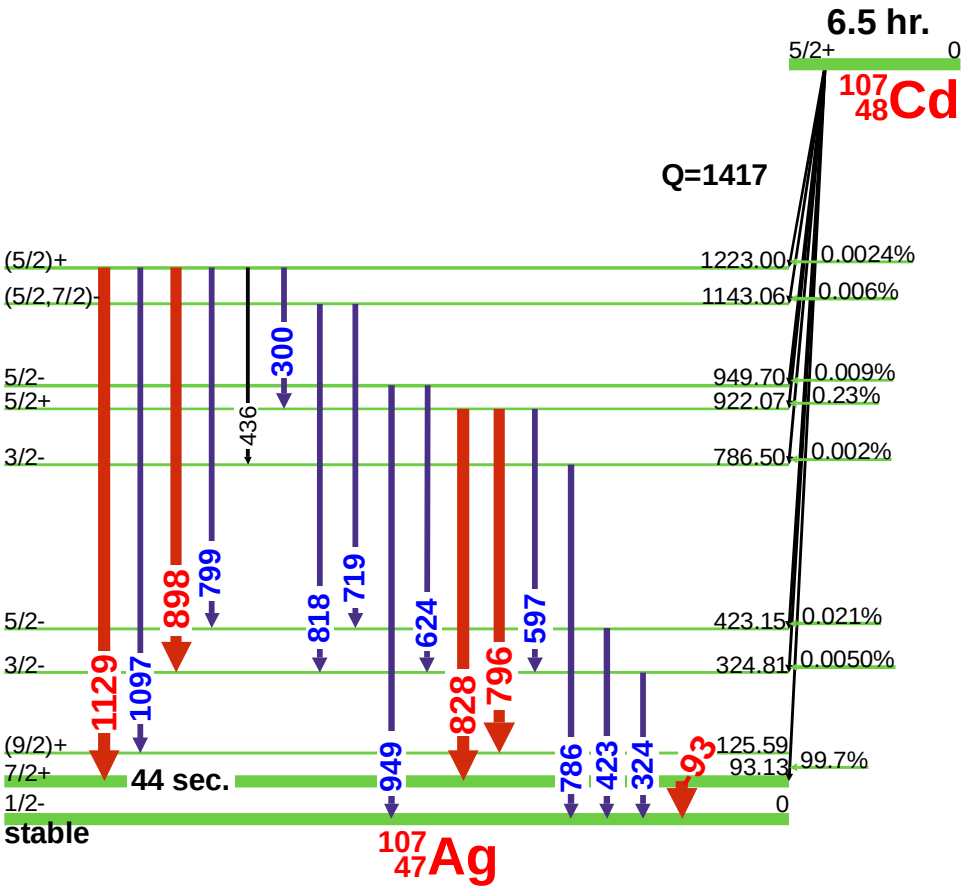
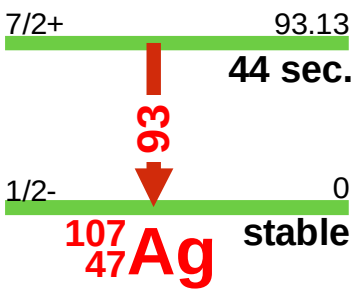
^{107}Cd(6.5 hr.) Decay Scheme



^{107m}Ag(44 sec.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{107}Cd - ^{107m}Ag
Half Life: 6.50(2) hr. - 44.3(2) sec.
Detector: 65 cm^3 coaxial Ge (Li)
Method of Production: ^{107}Ag(p,n)

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	32.460	0.020		0.0048	0.0005	4
^{107m}Ag	93.124	0.020	100	4.8	0.3	1
	98.2	0.5		0.0014	0.0002	4
	300.90	0.10	0.055	0.0027	0.0002	4
	324.81	0.03	0.57	0.0314	0.0015	3
	356.4	0.4		0.0004	0.0001	4
	364.			0.0003		4
	423.150	0.025	0.53	0.0301	0.0015	2
	436.6	0.4		0.0003		4
	461.7	0.4		0.0007	0.0001	4
Ann.	511.006			0.40		4
	526.50	0.10		0.0046	0.0003	4
	549.9	0.4		0.0009	0.0001	4
	597.27	0.06	0.152	0.0078	0.0004	3
	624.91	0.10	0.087	0.0036	0.0002	3
	648.4	0.4		0.0002		4
	719.93	0.10	0.070	0.0037	0.0003	3
	786.45	0.15	0.035	0.0017	0.0002	3
	796.462	0.025	1.13	0.0665	0.0020	1
	799.92	0.15	0.056	0.0020	0.0002	4
	818.23	0.10	0.042	0.0021	0.0003	3
	828.93	0.03	2.85	0.167		1
	856.5	0.4		0.0001		4
	898.17	0.06	0.185	0.0099	0.0004	1
	934.0	0.4		0.0001		4
	949.80	0.20	0.025	0.0013	0.0001	3
	1050.0	0.4		0.0002		4
	1097.50	0.20	0.036	0.0020	0.0002	3
	1129.90	0.10	0.134	0.0073	0.0003	1
	1143.0	0.4				4
	1165.7	0.4		0.0004	0.0001	4
	1223.0	0.4				4
	1232.6	0.4		0.0005	0.0001	4
	1259.0	0.4		0.0001		4
	1264.5	0.8		0.0001		4
	1294.0	0.8				4
	1297.0	0.4		0.0001		4
	1325.8	0.4		0.0001		4

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data