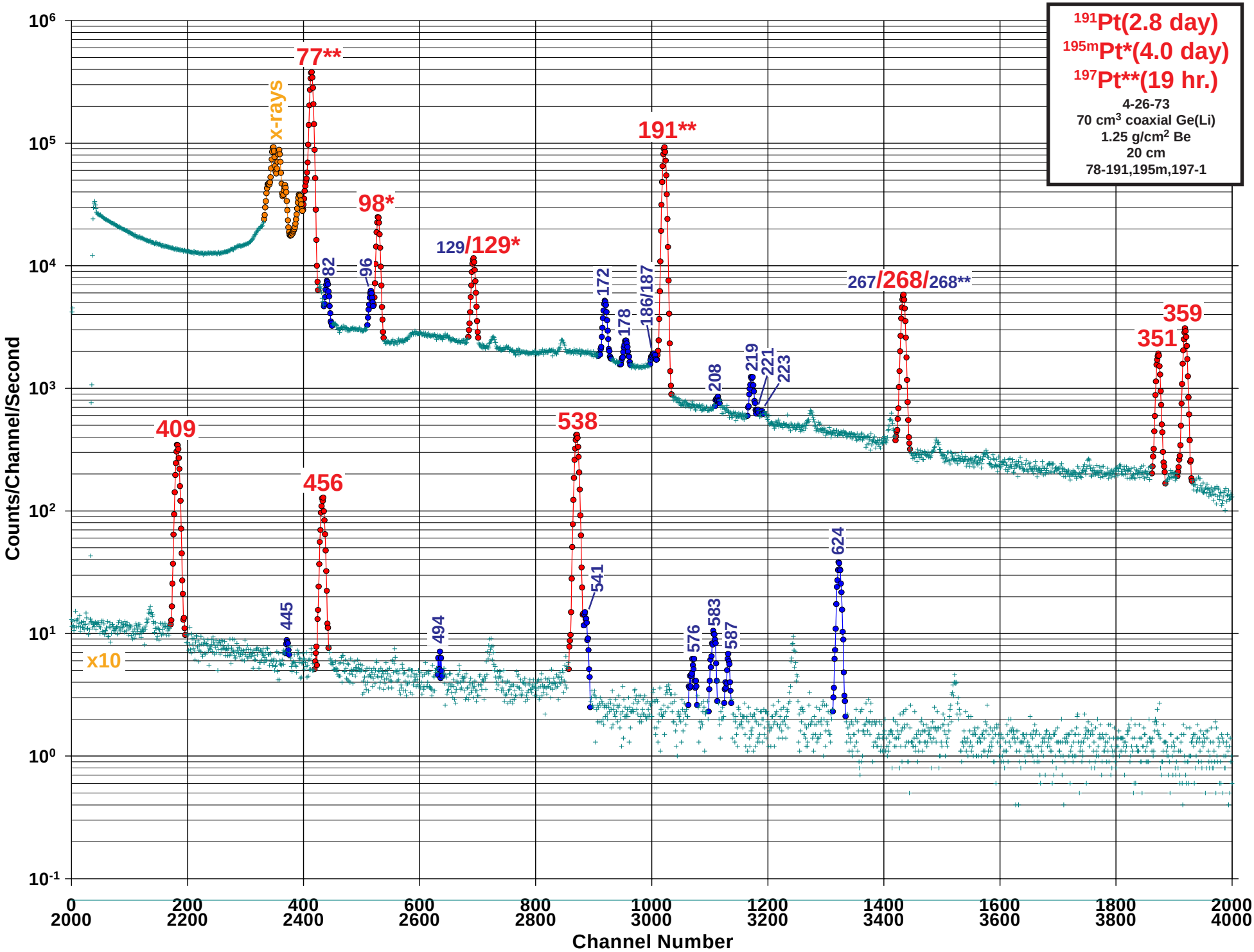
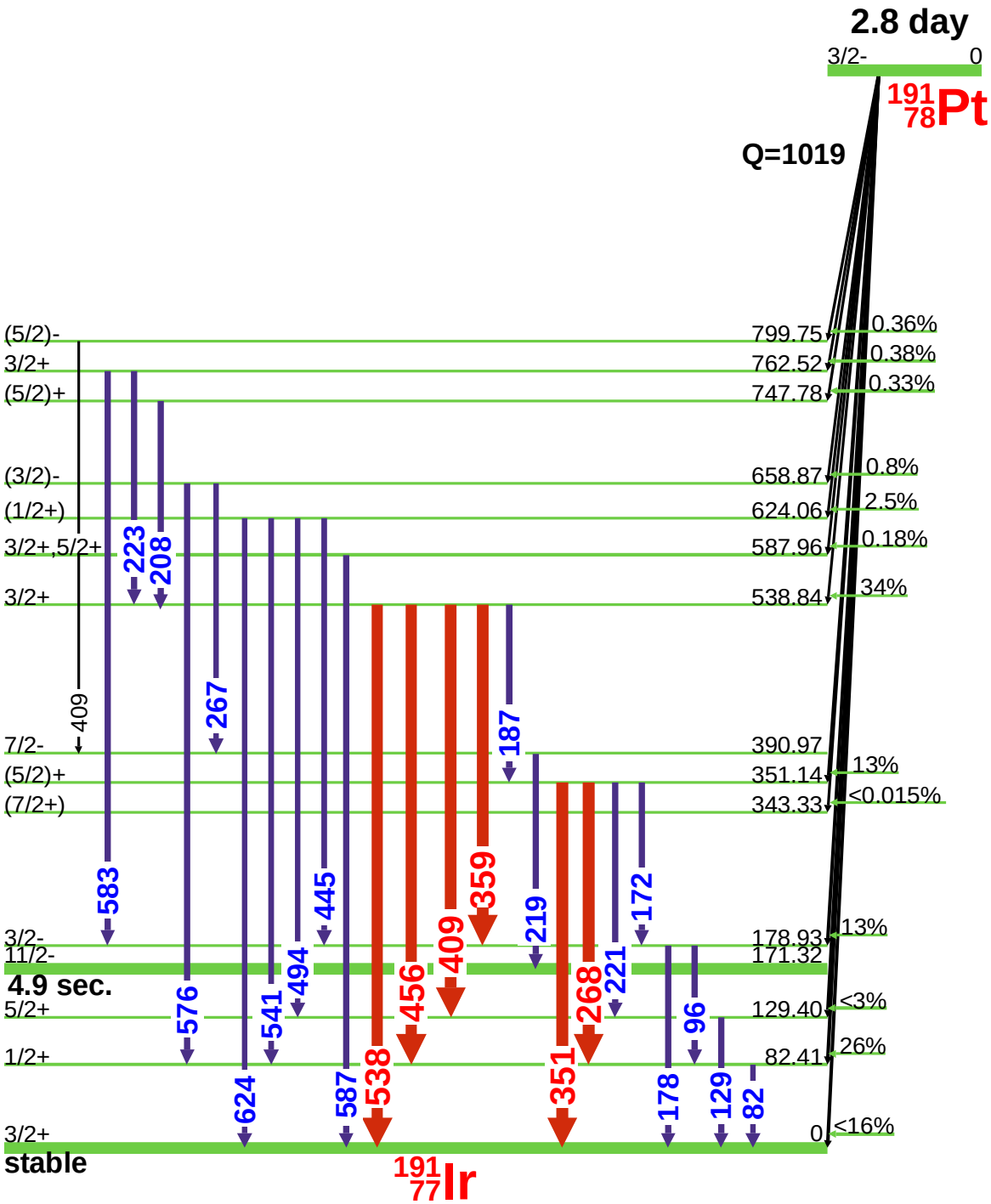
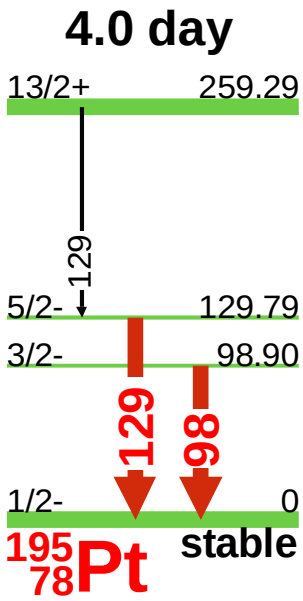

191Pt(2.8 day)
195mPt*(4.0 day)
197Pt**(19 hr.)
4-26-73
70 cm3 coaxial Ge(Li)
1.25 g/cm2 Be
20 cm
78-191,195m,197-1
x-rays
77**
98*
129/129*
191**
267/268/268**
359
351
409
456
538
x10
82
96
172
178
186/187
208
219
221
223
445
494
541
576
583
587
624
Counts/Channel/Second
Channel Number

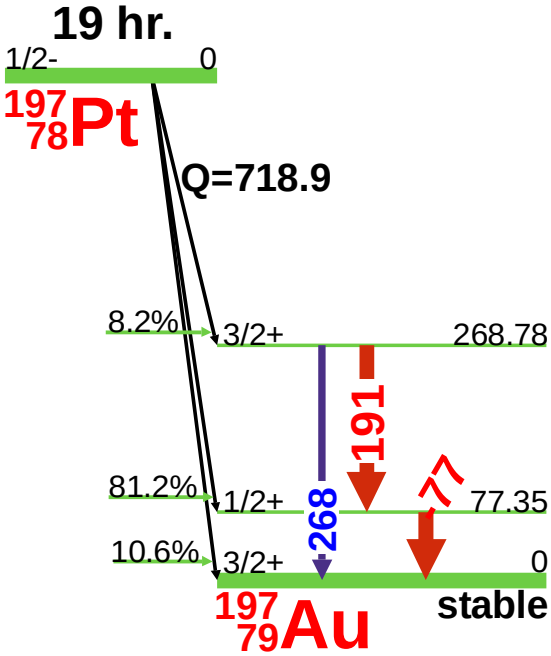
^{191}Pt(2.8 day) Decay Scheme



^{195m}Pt(4.0 day) Decay Scheme



^{197}Pt(19 hr.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{191}Pt

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

Half Life: 2.802(25) day

Detector: 70 cm^3 coaxial Ge(Li)

Method of Production: ^{194}Pt(n,γ)

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	41.93	0.03		0.0001		4
	49.59	0.03		0.040	0.009	4
	82.398	0.007	35.0	4.9	0.7	3
	85.15	0.08		0.060	0.009	4
	96.517	0.009	22.0	3.3	0.4	3
	129.400	0.007		3.2	0.5	4
	138.20	0.20		0.024	0.016	4
	140.884	0.015		0.075	0.014	4
	160.0			0.0016	0.0002	4
	172.190	0.020	21.0	3.5	0.4	3
	178.96	0.03	8.4	1.02	0.11	4
D	186.8		2.7	0.040	0.024	4
	187.69	0.04		0.42	0.05	
	196.0			0.0032	0.0009	4
	208.96	0.15		0.136	0.028	4
	214.0			0.0088	0.0026	4
	219.65	0.05	6.0	0.82	0.09	3
	221.74	0.08		0.116	0.017	4
	223.67	0.08		0.112	0.016	4
	245.0			0.0032	0.0009	4
D	267.92	0.08	19.0	0.78	0.11	3
	268.71	0.08		1.65	0.23	
	272.0					4
	308.0			0.0064	0.0006	4
	343.20	0.20		0.013	0.004	4
	351.17	0.03	26.5	3.4	0.4	1
	359.88	0.03	39.5	6.0	0.7	1
	396.70	0.20		0.010	0.003	4
	404.1	0.3		0.011	0.006	4
D	409.0		52.0	0.096	0.019	1
	409.440	0.020		8.0	0.9	

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
411.0			0.0096	0.0026	4
445.13	0.08		0.054	0.008	4
448.0			0.0064	0.0006	4
456.47	0.05	23.5	3.4	0.4	1
458.59	0.15		0.043	0.009	4
479.95	0.07		0.057	0.008	4
494.69	0.07		0.060	0.008	4
501.4			0.010	0.006	4
538.87	0.05	100.	13.7	1.5	1
541.64	0.10		0.37	0.05	4
568.81	0.08		0.053	0.007	4
576.46	0.08		0.118	0.015	4
583.61	0.08		0.076	0.009	4
587.95	0.08		0.136	0.017	4
604.6					4
618.7	0.4		0.009	0.003	4
624.06	0.06	11.0	1.41	0.16	3
633.18	0.10		0.024	0.003	4
636.0	1.0		0.0064	0.0006	4
658.75	0.15		0.0152	0.0022	4
667.0	2.0		0.0048	0.0024	4
680.00	0.20		0.0069	0.0015	4
686.6	0.5		0.0008	0.0003	4
748.00	0.20		0.0042	0.0009	4
756.6	0.5		0.0016	0.0005	4
762.60	0.15		0.0120	0.0020	4
765.0	2.0		0.010	0.005	4
806.4	0.3		0.0038	0.0008	4
853.6	0.4		0.0010	0.0001	4
935.33	0.15		0.0120	0.0020	4

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{195m}Pt — Half Life: 4.02(1) day

Detector: 70 cm^3 coaxial Ge (Li) — Method of Production: Pt(n,γ)

	E_γ (keV)	σ E_γ	I_γ (rel)	I_γ (%)	σ I_γ	S
	19.8					4
	28.1			0.0013	0.0001	4
	30.89	0.09		2.28	0.19	4
	98.900	0.020	100.	11.4	0.8	1
	129.50	0.20	38.25	0.084	0.006	1
D	129.790	0.020		2.83	0.21	
	140.6			0.0300	0.0022	4
	211.35	0.25		0.0389	0.0028	4
	239.5	0.3		0.054	0.004	4

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{197}Pt — Half Life: 19.8915(19) hr.

Detector: 70 cm^3 coaxial Ge (Li) — Method of Production: Pt(n,γ)

E_γ (keV)	σ E_γ	I_γ (rel)	I_γ (%)	σ I_γ	S
77.35	0.05	100.	17.0	2.3	1
191.437	0.010	20.5	3.7	0.4	1
268.78	0.05	1.0	0.23	0.03	3

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data