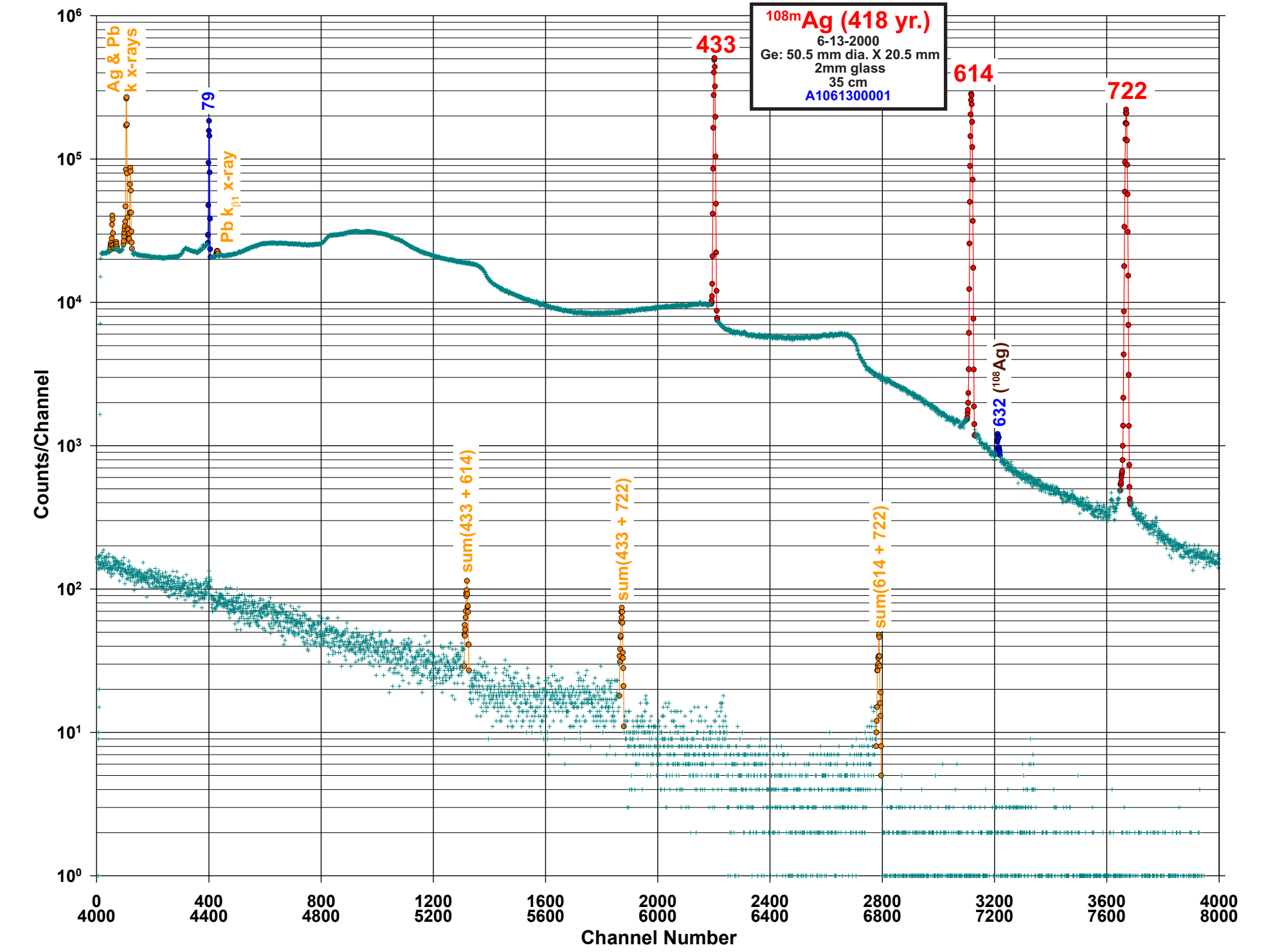

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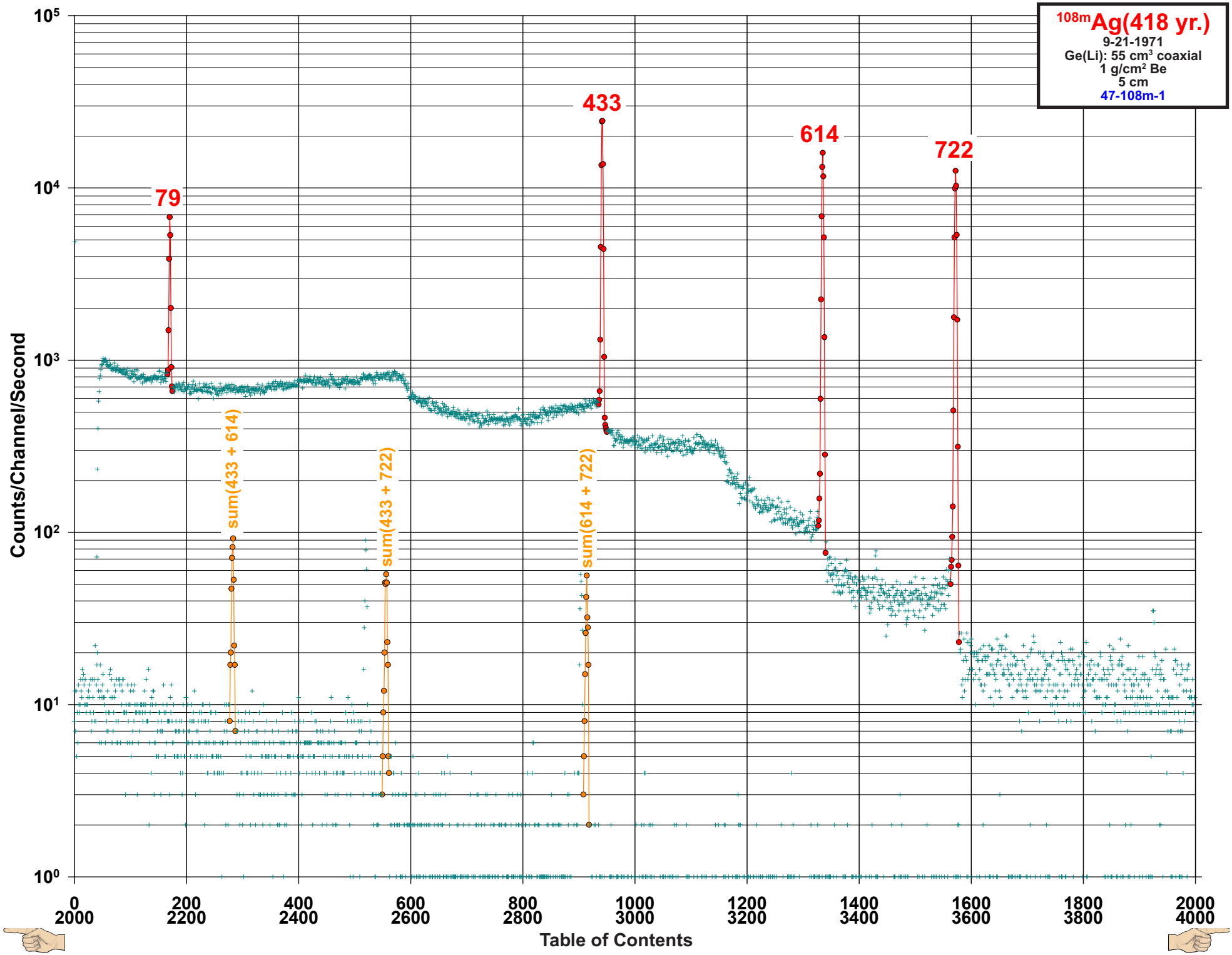
108mAg(418 yr.)
9-21-1971
Ge(Li): 55 cm³ coaxial
1 g/cm² Be
5 cm
47-108m-1
433
614
722
79
sum(433 + 614)
sum(433 + 722)
sum(614 + 722)
Counts/Channel/Second
10⁵
10⁴
10³
10²
10¹
10⁰
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2000
2200
2400
2600
2800
3000
3200
3400
3600
3800
4000
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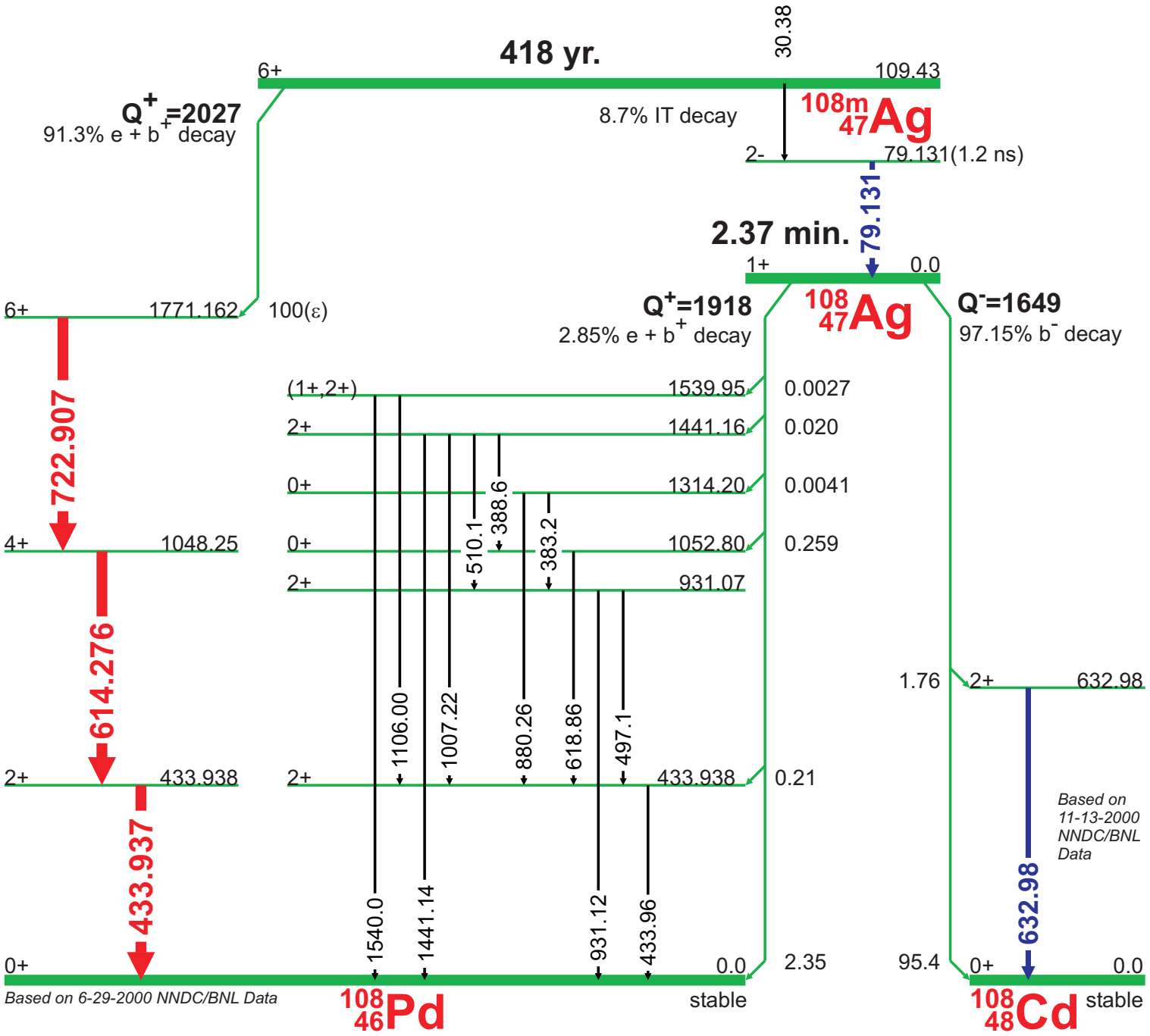
^{108m}Ag (418 yr.) Decay Scheme



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GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: **^{108m}Ag** Half Life: 418(21) yr.

E_γ (keV)	σ E_γ	① I_γ	② σI_γ	Level	
30.38	0.06			109.51	IT
79.131	0.003	6.63	0.05	79.131	IT
433.937	**0.004**	**90.5**		**433.938**	**ε**
614.276	**0.004**	**89.9**	**1.8**	**1,048.25**	**ε**
722.907	**0.010**	**90.9**	**1.8**	**1,771.162**	**ε**

E_γ, σE_γ, I_γ, σI_γ, Levels from ENSDF Database as of June 29, 2000

① These Iγ are per 100 Decays of **^{180m}Ag**.

② For total **ε** uncertainty add 0.66% systematic component in quadrature, based on the normalization factor 0.905(6)

② For total IT uncertainty add 6.9% systematic component in quadrature, based on the normalization factor 0.087(6)

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: **^{108}Ag** Half Life: 2.37(1) min.

E_γ (keV)	σ E_γ	① I_γ	② σI_γ	Level	
383.2	1.0	0.000 9	0.000 3	1,314.20	ε
388.6	0.4	0.001 8	0.000 6	1,441.16	ε
433.96	0.05	0.500		433.938	ε
497.1	0.2	0.002 2	0.000 6	931.07	ε
510.1	0.2	0.003 5	≤	1,441.16	ε
618.86	0.05	0.262	0.013	1,052.80	ε
632.98	0.05	1.76	0.09	632.98	β–
880.26	0.10	0.003 20	0.000 25	1,314.20	ε
931.12	0.20	0.000 55	0.000 05	931.07	ε
1,007.22	0.06	0.013 9	0.000 7	1,441.16	ε
1,106.00	0.07	0.001 65	0.000 15	1,539.95	ε
1,441.14	0.10	0.003 05	0.000 20	1,441.16	ε
1,540.0	0.2	0.001 05	0.000 10	1,539.95	ε

E_γ, σE_γ, I_γ, σI_γ, Levels from ENSDF Database as of:

ε decay: June 29, 2000

β– decay: November 13, 2000

① These Iγ are per 100 Decays of **^{108}Ag**.

For Iγ per 100 Decays of **^{108m}Ag** multiply by 0.087(9)

② For total ε uncertainty add 8.0% systematic component in quadrature, based on the normalization factor 0.005 0(4) .

② For total β– uncertainty add 2.4% systematic component in quadrature, based on the normalization factor 5.03E-3(12).