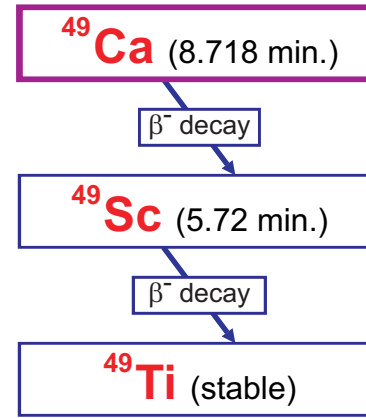
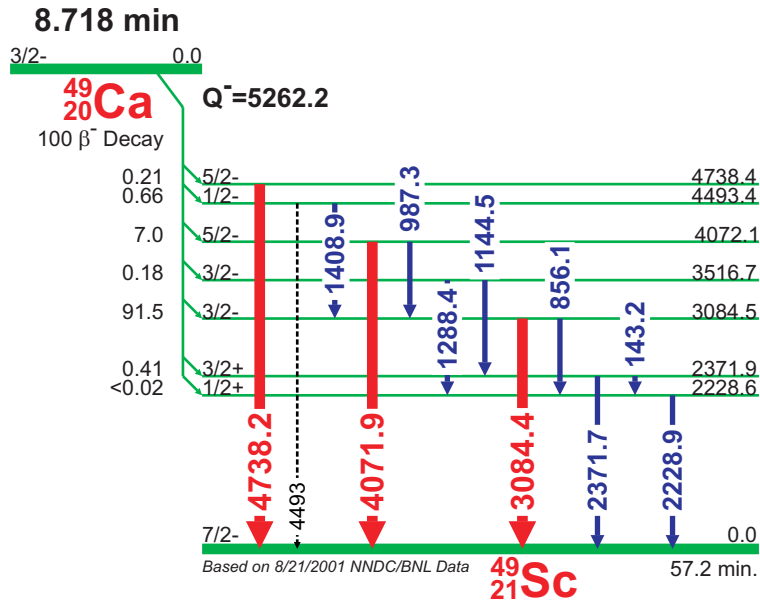


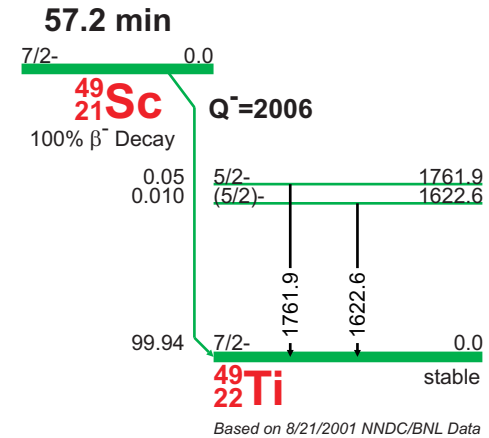
Simplified Decay Chain



⁴⁹Ca (8.718 min.) Decay Scheme



⁴⁹Sc (57.2 min.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ⁴⁹Ca Half Life: 8.718(6) min.

E _γ (keV)	σ E _γ	I _γ ^①	σ I _γ ^②	Level	
143.2	0.2	0.035	0.009	2,371.9	β ⁻
856.1	0.5	0.13	0.03	3,084.5	β ⁻
987.3	0.5	0.076	0.028	4,072.1	β ⁻
1,144.5	0.5	0.11	0.03	3,516.7	β ⁻
1,288.4	0.5	0.07	0.03	3,516.7	β ⁻
1,408.9	0.2	0.63	0.06	4,493.4	β ⁻
2,228.9	0.5	0.19	0.05	2,228.6	β ⁻
2,371.7	0.5	0.49	0.09	2,371.9	β ⁻
3,084.4	0.1	92.1		3,084.5	β⁻
4,071.9	0.1	7.0	0.7	4,072.1	β⁻
4,493		0.06	<	4,493.4	β ⁻
4,738.2	0.2	0.21	0.06	4,738.4	β⁻

E_γ, σE_γ, I_γ, σI_γ. Levels from ENSDF Database as of August 22, 2001

① These I_γ are per 100 Decays of ⁴⁹Ca.

② For total uncertainty add 1.08% systematic component in quadrature, based on the normalization factor 0.921(10)

Nuclide: ⁴⁹Sc Half Life: 57.2(2) min.

E _γ (keV)	σ E _γ	I _γ ^①	σ I _γ ^②	Level	
1,622.6	0.6	0.010	0.003	1,622.6	β ⁻
1,761.9	0.3	0.05	0.01	1,761.9	β ⁻

E_γ, σE_γ, I_γ, σI_γ. Levels from ENSDF Database as of August 21, 2001

① These I_γ are per 100 Decays of ⁴⁹Sc.

② Normalization factor is 1.0, and its uncertainty is taken to be 0.0.

