Observing the excited states of nuclei using gamma-ray spectrometers





¹³⁷₅₆Ba₈₁-3

¹³⁷Cs β ⁻ decay 1983Be18,1996Bi23,1997WaZZ

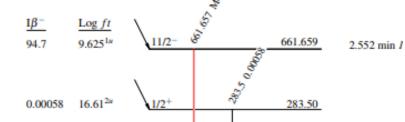
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend



0.0



 $^{137}_{56}Ba_{81}$

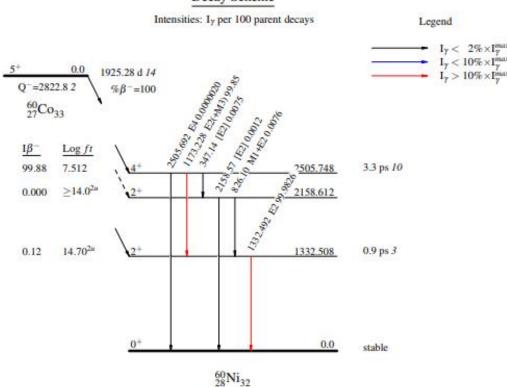


5.3

12.079

⁶⁰Co β - decay (1925.28 d)

Decay Scheme





¹³³Ba ε decay (10.551 y)

Decay Scheme

Intensities: Relative I_y Legend 10.551 y 11 SPECHUMEDIS. Q+=517.5 10 \$11 to 1880 18. 136.0130 E2 100 182 84 8 1441 182 898 1441 183 898 1441 $^{133}_{56} Ba_{77}$ Log ft ≤150 ps 6.627 $3/2^{+}$ 14.5 8.020 Pole Machine (100,6130 MI 1821. 123 $5/2^{+}$ < 0.1 > 11.2 $5/2^{+}$ >11.1 < 0.26.283 ns 14 $7/2^{+}$ 0.0 stable $^{133}_{55}\mathrm{Cs}_{78}$

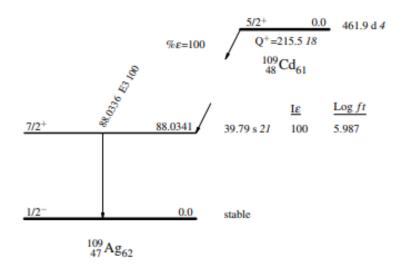


$^{109}_{47}\mathrm{Ag}_{62}\text{--}4$

$^{109}\mathrm{Cd}\; \varepsilon \; \mathrm{decay}$

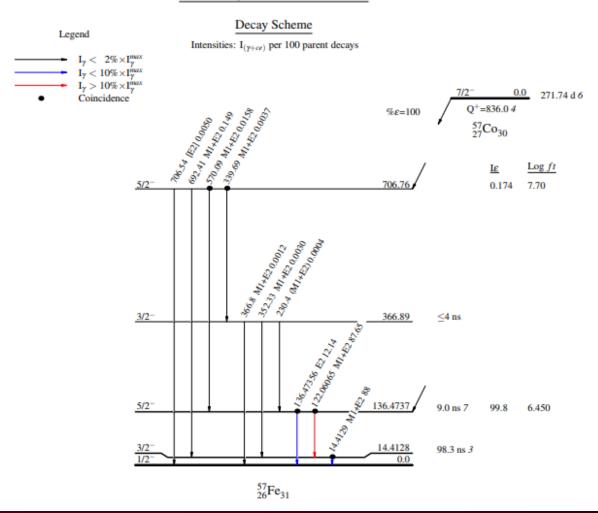
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

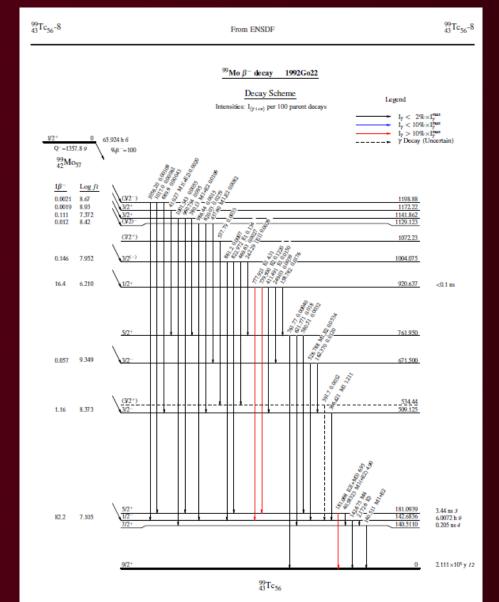




⁵⁷Co ε decay 1991BaZS,1997HeZZ









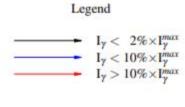
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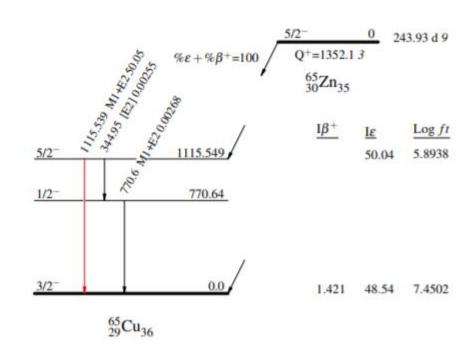
65 29 Cu₃₆-4

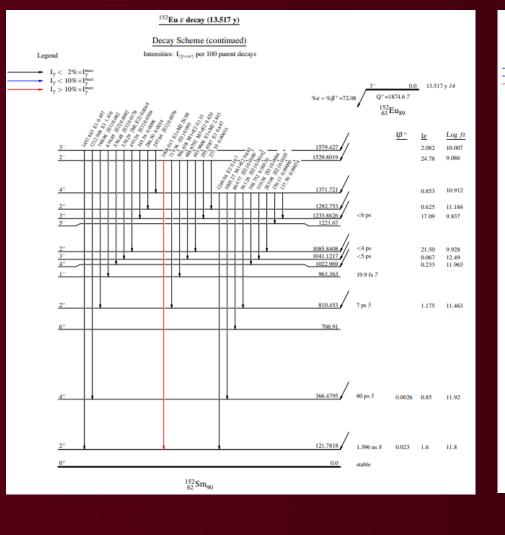
65 Zn ε decay

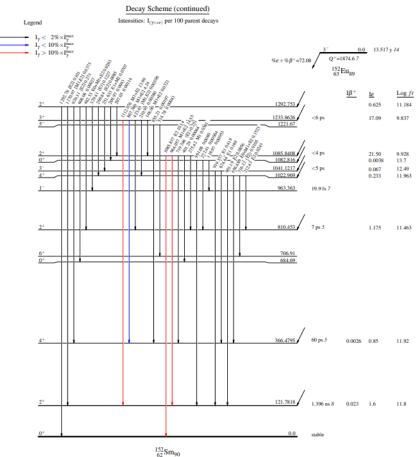
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



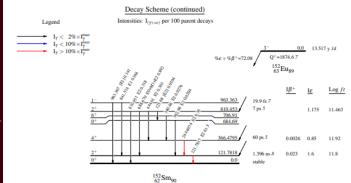






¹⁵²Eu ε decay (13.517 y)

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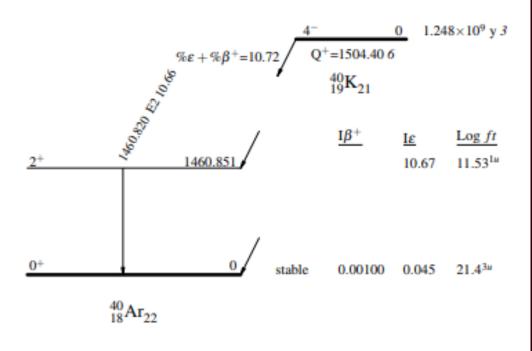


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40 K ε decay (1.248×10 9 y) 1999BeZQ,1999BeZS

Decay Scheme

Intensities: I(y+ce) per 100 parent decays

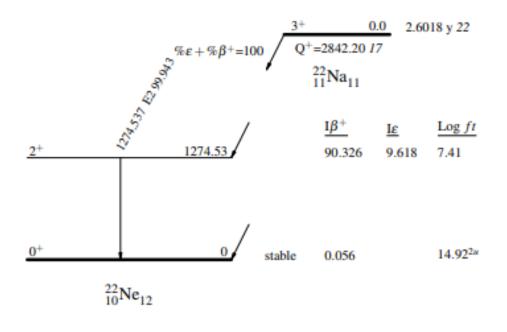




²²Na β⁺ decay

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays





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 $^{54}_{24}\mathrm{Cr}_{30}$ -2

⁵⁴Mn ε decay 1993Da20,1966Ha07,1990KuZJ

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

