

^{149}Er ϵp decay (4 s) [1989Fi01](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

Parent: ^{149}Er : $E=0.0$; $J^\pi=(1/2^+)$; $T_{1/2}=4$ s 2; $Q(\epsilon\text{p})=6823$ 29; $\%\epsilon\text{p}$ decay=7 2

^{149}Er - $Q(\epsilon\text{p})$: From [2012Wa38](#).

Measured p , γ , x , β^+ in singles and coin. FWHM for protons ≈ 35 keV.

 ^{148}Dy Levels

E(level)	J^π
0.0	0^+

Delayed Protons (^{148}Dy)

Particle normalization: $\%\epsilon\text{p}=7$ 2 ([1989Fi01](#)).

E(p)	E(^{148}Dy)	I(p) [†]	E(^{149}Ho)	Comments
2653	0.0	≈ 2.9	4100	
2850	0.0	≈ 2.3	4310	
3105	0.0	≈ 3.1	4560	
3330	0.0	≈ 1.1	4800	
3830	0.0	≈ 4.0	5300	
3909	0.0	≈ 6.4	5370	$\approx 80\%$ of the proton decay proceeds to continuum states.

[†] For absolute intensity per 100 decays, multiply by 0.07 2.

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Decay Scheme

I(p) Intensities: Relative I(p)

