^{170}Er(d,pγ) 1969BoZL

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin, E. A. Mccutchan	NDS 151, 334 (2018)	30-Jun-2018

E(d)=8 MeV; measured Eγ, Iγ, I(K x ray), pγ(t), pce(t), (scin, mag spect).

^{171}Er Levels

E(level)	J$^{\pi\dagger}$	T$_{1/2}$	Comments
0.0	5/2$^-$		
198 *1*	1/2$^-$	210 ns *10*	T$_{1/2}$: from p-ce(t). Other value: 200 ns *15* (p-γ(t)).

† Adopted values.

γ(^{171}Er)

E$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Mult.	$\alpha^\dagger$	Comments
198 *1*	198	1/2$^-$	0.0	5/2$^-$	E2	0.260 *6*	Mult.: from α(K)exp=0.14 *4*, K/L=2.9 *8*.

† Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

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Level Scheme

$^{171}_{68}$Er$_{103}$