

$^{79}\text{Ge } \beta^-$ decay (18.98 s) 1981Ho24

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 135, 193 (2016)	31-May-2016

Parent: ^{79}Ge : E=0.0; $J^\pi=(1/2)^-$; $T_{1/2}=18.98$ s 3; $Q(\beta^-)=4110$ 40; % β^- decay=100.0Measured γ , $\gamma\gamma$, ce. See also 1980HoZN for detailed data.

Others: 1981Al20, 1977Al17, 1975Al11, 1974Gr29, 1972MaWL, 1970OsZZ. All references are from the same laboratory.

 ^{79}As Levels

E(level) [†]	J^π [‡]
0.0	$3/2^-$
100.46 5	($1/2^-$)
109.51 5	($3/2^-$)
230.60 5	($5/2^-$)
603.69 4	($1/2,3/2$)
634.04 6	($5/2,7/2$)
1412.00 6	
1490.26 9	
1505.90 4	($3/2^-$)
1869.42 6	($1/2^-,3/2^-$)

[†] From least-squares fit to E γ data.[‡] See Adopted Levels. β^- radiations

E(decay)	E(level)	$I\beta^-$ [†]	Log ft	Comments
(2.24×10^3 4)	1869.42	0.92 7	5.86 5	av $E\beta=918$ 19
(2.60×10^3 4)	1505.90	12.1 8	5.01 4	av $E\beta=1089$ 19
(2.62×10^3 4)	1490.26	0.332 22	6.59 4	av $E\beta=1097$ 19
(2.70×10^3 4)	1412.00	1.29 8	6.05 4	av $E\beta=1134$ 19
(3.51×10^3 4)	603.69	2.65 18	6.23 4	av $E\beta=1519$ 20
(4.00×10^3 4)	109.51	22.4 14	5.56 4	av $E\beta=1757$ 20
(4.01×10^3 4)	100.46	0.78 20	7.0 1	av $E\beta=1761$ 20
(4.11×10^3 4)	0.0	60 3	5.18 3	av $E\beta=1810$ 20

[†] Absolute intensity per 100 decays.

^{79}Ge β^- decay (18.98 s) 1981Ho24 (continued)

$\gamma(^{79}\text{As})$

I_y normalization: from absolute γ -ray intensity measurement (1981Ho24).

$^{79}\text{Ge} \beta^-$ decay (18.98 s) 1981Ho24 (continued) **$\gamma(^{79}\text{As})$ (continued)**

[†] From 1980HoZN.

[‡] For absolute intensity per 100 decays, multiply by 0.214 10.

[#] 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.

^x γ ray not placed in level scheme.

