^{103}Rh(p,2nγ) 1965Sa11,1979BaZW

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne	NDS 110, 1745 (2009)	31-Dec-2008

1965Sa11: E=12,14 MeV; measured E(ce), Ice, σ(E,E(ce)); β-ray spectrometer.
1979BaZW: E=15.2 MeV; measured γce(t).
Data are from 1965Sa11, unless noted otherwise.

^{102}Pd Levels

E(level)	J^π †	$T_{1/2}$	Comments
0	0^+		
558	2^+		
1279	4^+		
1592.2 *3*	0^+	14.3 ns *5*	E(level): from 1979BaZW. $T_{1/2}$: from γce(t) results of 1979BaZW.
2111			J^π: a large spin, probably 6^+, is suggested by the large intensity reduction of the 832-keV K line in the bombardment with 12-MeV protons, compared to 14 MeV.

† From Adopted Levels.

$\gamma(^{102}Pd)$

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π	Mult.	Comments
558 *3*	100	558	2^+	0	0^+	E2	K/L=7.9 *1*
721 *3*	49	1279	4^+	558	2^+	E2	K/L=7.7 *2*
832 *5*	8	2111		1279	4^+	E2	
1592.2 *3*		1592.2	0^+	0	0^+	E0	Completely converted transition observed by 1979BaZW.

† Deduced from E(ce).
‡ Deduced from Ice and known E2 multipolarity (see adopted gammas).

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Level Scheme

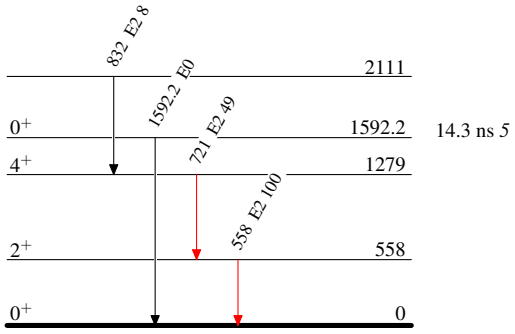
Intensities: Type not specified

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$



$^{102}_{46}Pd_{56}$