Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 187,1 (2023)	12-Oct-2022

Q(β^-)=−11020 *syst*; S(n)=10620 *syst*; S(p)=2190 *syst*; Q(α)=3410 *syst* 2021Wa16
ΔQ(β^-)=500, ΔS(n)=500, ΔS(p)=850, ΔQ(α)=420 (syst,2021Wa16).
S(2n)=23830 *580*, S(2p)=2330 *360*, Q(εp)=9110 *300* (syst,2021Wa16).

^{141}Dy Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(9/2$^-$)	0.9 s *2*	%ε+%β^+=100; %β^+p=? Produced in ^{92}Mo(^{54}Fe,αn) E=274 MeV (1984Ni03); and ^{106}Cd(^{40}Ca,αn) at E=232 MeV (2006Xu03). Measured β-delayed protons in coincidences with Tb K x ray (1984Ni03), observed β-delayed protons in coin with ^{140}Gd γ's: 329γ (2$^+$ to 0$^+$), 508γ (4$^+$ to 2$^+$) (1986Wi15); γ(x-rays) gated on β-delayed protons and β-delayed protons gated on 329γ of ^{140}Gd daughter (2006Xu03). E(p)=2.1-7.2 MeV (1986Wi15), E(p)=3.0-7.0 MeV (2006Xu03); other: 1984Ni03. J^π: from analysis of feeding of 2$^+$ and 4$^+$ in ^{140}Gd by delayed protons from ^{141}Dy ε decay and Nilsson model (1989Gi06); and respectively of 0$^+$ g.s., 2$^+$, 4$^+$, and 6$^+$, and configuration-constrained nuclear potential energy surfaces using Woods-Saxon-Strutinsky method (2006Xu03; they also allow 9/2$^+$). $T_{1/2}$: from 1986Wi15 and 2006Xu03. Others: 1.0 s *2* (1984Ni03), 0.8 s *2* (1988WiZN).