^{62}Ni(d,pγ) 1970Bl06

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 196,17 (2024)	30-Sep-2023

1970Bl06: E=5.7 MeV pulsed deuteron beam was produced at Hahn-Meitner-Institut Fur Kernforschung Berlin. γ rays were detected with a Ge(Li) and a NaI(TL) detectors. Measured γ(t), $\gamma\gamma(\theta$,H,t). Deduced g-factor, $T_{1/2}$ for 87.2 level.
1978Ho06: measured $T_{1/2}$.

^{63}Ni Levels

E(level)	J^π	$T_{1/2}$	Comments
0	$1/2^-$		
87.2 *4*	$5/2^-$	1.71 μs *3*	g=+0.296 *1* $T_{1/2}$: from τ=2.46 μs *4*, weighted average of 2.48 μs *4* using 87.2γ(t) by 1970Bl06 and 2.43 μs *5* by 1978Ho06. g-factor is measured using the pulsed-beam time-differential spin precession method (1970Bl06).

$\gamma(^{63}$Ni)

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Comments
87.2 *4*	87.2	$5/2^-$	0	$1/2^-$	E_γ: from 1970Bl06.

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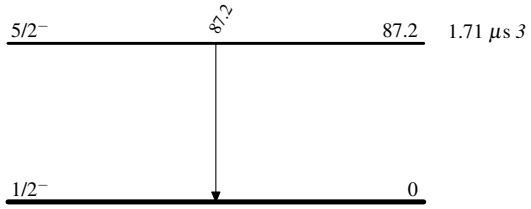
Level Scheme



$^{63}_{28}Ni_{35}$