^{198}Pt(^{37}Cl,Xγ) 2002AsZY

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 199,1 (2025)	30-Sep-2024

2002AsZY: E=9 MeV/nucleon ^{37}Cl beam was produced at JAERI. Fragments were stopped and detected in annular Si detectors and γ rays were detected with four Ge detectors. Measured (fragment)γ coin, γ asymmetry from in-plane to out-of-plane. Deduced isomer $T_{1/2}$, γ-ray multipolarity.

^{33}Si Levels

E(level)	J^{π}†	$T_{1/2}$	Comments
0	$3/2^+$		
1435	$7/2^-$	10.2 ns *3*	$T_{1/2}$: from (fragment)γ(t) (2002AsZY).

† From 2002AsZY.

γ(^{33}Si)

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.	Comments
1435	1435	$7/2^-$	0	$3/2^+$	M2	Mult.: from analysis of in-plane to out-of-plane γ asymmetry (2002AsZY).

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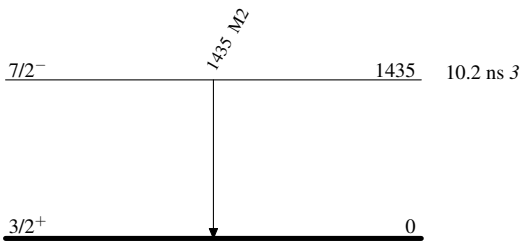
Level Scheme



$^{33}_{14}Si_{19}$