

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia, A. Chakraborty		NDS 197,1 (2024)	31-May-2024

$Q(\beta^-) = -17400$ *syst*; $S(n) = 17420$ *syst*; $S(p) = -480$ *20*; $Q(\alpha) = -8720$ *syst* [2021Wa16](#)
 $\Delta Q(\beta^-) = 180$, $\Delta S(n) = 190$, $\Delta Q(\alpha) = 200$ (*syst*, [2021Wa16](#)).
 $S(2n) = 39740$ *500* (*syst*), $S(2p) = 2756$ *24*, $Q(\epsilon p) = 14338$ *24* ([2021Wa16](#)).
 Other: [1996PoZZ](#).

 ^{30}Cl LevelsCross Reference (XREF) Flags

A $^9\text{Be}(^{31}\text{Ar}, X)$
B $^9\text{Be}(^{31}\text{Ar}, ^{30}\text{Cl}p)$

E(level) [†]	J π [‡]	XREF	Comments
0.0	(3 ⁺)	AB	$\%p = ?$ $T_{1/2} > 100$ ns, estimated value in 2018Mu18 , based on the Thomas-Ehrman shift, from 3 ⁺ ^{30}Al g.s. to the 3 ⁺ g.s. of ^{30}Cl , for $E_r = 50$ -150 keV and their experimental setup. J^π : also from systematics.
253 45	(2 ⁺)	A	
490 36		B	
870 54		B	
1520 54		B	
2.52×10^3 20		B	

[†] From the corresponding reference dataset (listed in the XREF).

[‡] Proposed in [2022Gi04](#), based on the deduced relative population of the two states from the measured data and comparison with the predictions from shell-model calculations.