

${}^{40}\text{Ca}({}^9\text{Be,p}2n\gamma) \text{E}=20\text{-}45 \text{ MeV}$ 1981Po07

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 91, 1 (2000)	15-Jul-2000

Ge(Li) detectors; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ coin, $\gamma(\theta)$, $\gamma\gamma(\theta)$, $T_{1/2}$ from recoil-distance measurement.

 ${}^{46}\text{V}$ Levels

<u>E(level)</u>	<u>J^π^\dagger</u>	<u>$T_{1/2}^\ddagger$</u>
0.0	0^+	
802	3^+	
915	2^+	
1225	(5^+)	0.42 ns 14
1541?	(6^+)	
1604	(7^+)	0.75 ns 12
3093	(9^+)	

† Based on analysis of $\gamma(\theta)$ in terms of (HI; xn,yp) reaction model.

‡ From analysis of γ RDM.

 $\gamma({}^{46}\text{V})$

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
315.7 3	1541?	(6^+)	1225	(5^+)
379.4 2	1604	(7^+)	1225	(5^+)
423.5 1	1225	(5^+)	802	3^+
801.5 1	802	3^+	0.0	0^+
914.9 1	915	2^+	0.0	0^+
1488.7 3	3093	(9^+)	1604	(7^+)

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Legend

Level Scheme

● Coincidence

