^{48}Ca(α,3nγ) E=30-55 MeV 1981Be37

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows[a]	NDS 109, 1879 (2008)	14-Jul-2008

Measured γ's, γ-excitation functions, $\gamma\gamma$, $\gamma(\theta)$. DSAM. Identification by comparison of excitation functions to the one for the 1542γ.

^{49}Ti Levels

E(level)	J^π[†]	$T_{1/2}$	Comments
0.	$7/2^-$		J^π: from the Adopted Levels.
1542.5 *3*	$11/2^-$		J^π: $\gamma(\theta)$ corresponds to stretched (ΔJ=2) Q.
2505.8 *5*	$15/2^-$	>3.5 ps	J^π: $\gamma(\theta)$ corresponds to stretched (ΔJ=2) Q.
3290.6 *6*	$(17/2)^-$	<0.07 ps	J^π: $\gamma(\theta)$ consistent with $\Delta J\leq 1$. No sizable crossover transitions. Parentheses added by evaluator.
4382.7 *8*	$(19/2)^-$	<0.12 ps	J^π: $\gamma(\theta)$ consistent with $\Delta J\leq 1$. No sizable crossover transitions. Parentheses added by evaluator.

[†] Parity from the Adopted Levels.

$\gamma(^{49}$Ti)

E_γ	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	Comments
784.8 *3*	36 *4*	3290.6	$(17/2)^-$	2505.8	$15/2^-$	D(+Q)	$\delta\geq -0.10\leq +0.04$
963.3 *3*	70 *5*	2505.8	$15/2^-$	1542.5	$11/2^-$	Q	
1092.0 *5*	14 *6*	4382.7	$(19/2)^-$	3290.6	$(17/2)^-$	D+Q	$\delta\geq +0.03\leq +0.12$
1542.5 *3*	100 *5*	1542.5	$11/2^-$	0.	$7/2^-$	Q	

[†] Relative photon intensity At 45 MeV.
[‡] From $\gamma(\theta)$.

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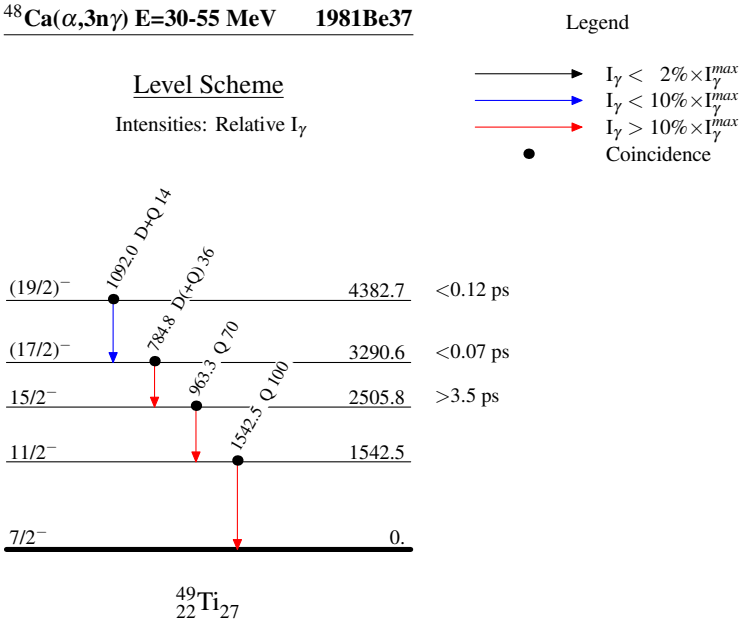

$^{49}_{22}Ti_{27}$