

$^{48}\text{Ca}(^3\text{He},\alpha\gamma)$ 1983Ma47

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	T. W. Burrows	NDS 108, 923 (2007)	20-Feb-2007

E=13.4 MeV. Measured $T_{1/2}$'s; Ge, Si telescopes; $\alpha\gamma$ -coincidences. DSAM.

 ^{47}Ca Levels

<u>E(level)</u>	<u>J^π[†]</u>	<u>$T_{1/2}$</u>
0.	$7/2^-$	
2013	$3/2^-$	>6 ps
2578	$3/2^+$	>12 ps
2598	$1/2^+$	>1 ps

[†] From the Adopted Levels.

 $\gamma(^{47}\text{Ca})$

<u>$E_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_γ</u>	<u>I_γ[†]</u>	<u>E_f</u>	<u>J_f^π</u>
2013	$3/2^-$	2013	100	0.	$7/2^-$
2578	$3/2^+$	564	≈ 65	2013	$3/2^-$
		2578	≈ 35	0.	$7/2^-$
2598	$1/2^+$	585	100	2013	$3/2^-$

[†] % photon branching ratios from each state assumed by 1983Ma47.

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Legend

Level Scheme

Intensities: % photon branching from each level

● Coincidence

