

$^{48}\text{Ca}(^7\text{Li},3n\gamma),(^{11}\text{B},\alpha3n\gamma)$ 1977Na12,1976Br29

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 128, 185 (2015)	10-Jul-2015

1977Na12: E=25-50 MeV, RDM, $\gamma(\theta)$, $\gamma\gamma$ -coin, Ge(Li) detectors, 2.5 keV FWHM for 1.33 MeV.

1976Br29: E=28 MeV, measured γ -spectra with a Ge(Li), Lifetime with RDM.

 ^{52}V Levels

E(level)	J^π †	$T_{1/2}$	Comments
0.0	3 ⁺		
23.0 10	(5 ⁺)		
1493.3 11	(7 ⁺)		$T_{1/2}$: 0.7 ps to 2.8 ps, RDM (1977Na12).
2543.3 11	(9 ⁺)	5.5 ps 4	$T_{1/2}$: from weighted average of 5.3 ps 4 (1976Br29) and 6.1 ps 7 (1977Na12), RDM.

† From 1976Br29, based on a comparison of results of the experiment with stripping and β decay information, and with shell-model calculation of 1973Ho44.

 $\gamma(^{52}\text{V})$

$E_i(\text{level})$	J_i^π	E_γ †	I_γ ‡	E_f	J_f^π
23.0	(5 ⁺)	(23)		0.0	3 ⁺
1493.3	(7 ⁺)	1470.27 20	100	23.0	(5 ⁺)
2543.3	(9 ⁺)	1049.98 18	100	1493.3	(7 ⁺)

† From 1977Na12.

‡ Branching ratio for each level, from 1977Na12.

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Legend

Level Scheme

Intensities: branching from each level

-----► γ Decay (Uncertain)