

$^{16}\text{O}(^7\text{Li},2n\gamma)$ 2003Th01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 127, 1 (2015)	15-Jan-2015

E=27 MeV. Measured E_γ , $\gamma\gamma$, $\gamma\gamma(\theta)$ (DCO) using the GASP array in conjunction with the ΔE -E Si-ball ISIS.

 ^{21}Na Levels

E(level) [†]	J^π	$T_{1/2}$ [‡]
0 [#]	3/2 ⁺	
332.1 [#] 8	5/2 ⁺	7.08 ps 8
1715.9 [#] 8	7/2 ⁺	28 fs 10
2826.7 [#] 10	9/2 ⁺	
4419.0 [#] 11	(11/2 ⁺)	

[†] From least-squares fit to E_γ 's (by compilers) assuming $\Delta(E_\gamma)=1$ KeV.

[‡] From Adopted Levels of ^{21}Na in ENSDF database.

[#] Band(A): $K^\pi=3/2^+$ band.

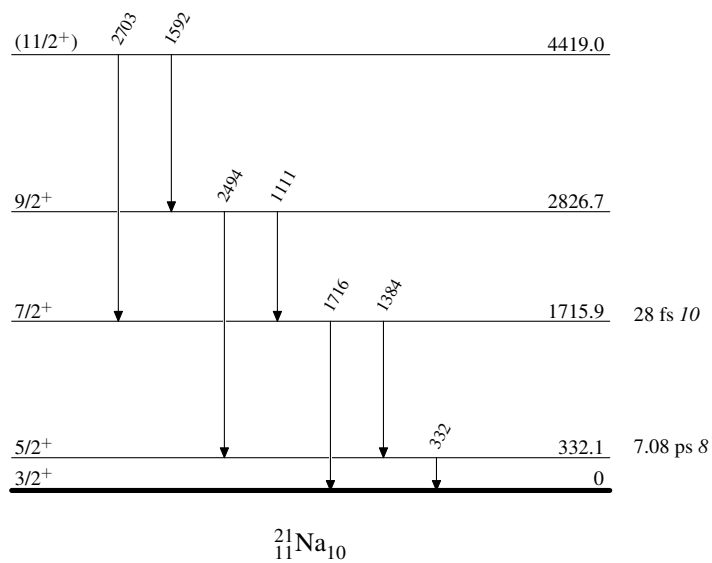
 $\gamma(^{21}\text{Na})$

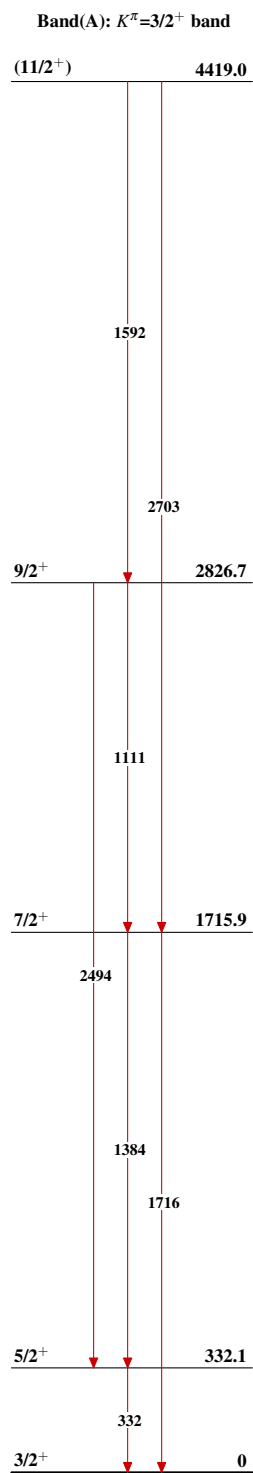
DCO ratios are based gates on $\Delta J=1$ dipole transition.

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
332	332.1	5/2 ⁺	0	3/2 ⁺
1111	2826.7	9/2 ⁺	1715.9	7/2 ⁺
1384	1715.9	7/2 ⁺	332.1	5/2 ⁺
1592	4419.0	(11/2 ⁺)	2826.7	9/2 ⁺
1716	1715.9	7/2 ⁺	0	3/2 ⁺
2494	2826.7	9/2 ⁺	332.1	5/2 ⁺
2703	4419.0	(11/2 ⁺)	1715.9	7/2 ⁺

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Level Scheme



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