

${}^{39}\text{K}(\alpha, \text{d})$ 1975Na14

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja, E. A. Mccutchan		NDS 133, 1 (2016)	30-Sep-2015

$J^\pi({}^{39}\text{K g.s.}) = 3/2^+$.

1975Na14: $E(\alpha) = 40$ MeV from Michigan State University cyclotron. Detected reaction products using the split-pole magnetic spectrograph and wire counter plastic scintillator (FWHM=60 keV). Measured $\sigma(\theta)$. DWBA calculations.

 ${}^{41}\text{Ca Levels}$

E(level)	L [†]	$d\sigma/d\Omega$ ($\mu\text{b/sr}$) [‡]	Comments
0	5	260	
2010			E(level): From Figure 1.
3370	6	54	
3830	6	230	
3920	6	230	
3970	6	90	
4520	6	240	
4980	4+6	90,92	
5220	6	800	
5350	6	340	
5520	4	300	
6070	4+6	600,120	
6480	4+6	280,60	

[†] From DWBA analysis.

[‡] At 10 °.