

${}^{48}\text{Ca}(\text{p}, {}^3\text{He})$  1973Da02,1973Du02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 91, 1 (2000)	15-Jul-2000

E=41.65 MeV (1973Da02); Si E- $\Delta$ E detector telescope; DWBA analysis of angular distributions.

E=40.56 MeV (1973Du02); Si E- $\Delta$ E detector telescope; DWBA analysis of angular distributions.

Other: 1970Du01.

All results from 1973Da02, except as noted.

 ${}^{46}\text{K}$  Levels

E(level)	$J^\pi^\dagger$	$L^\dagger$	Comments
0	(2 <sup>-</sup> )	(1+3)	
587 2	3 <sup>-</sup>	3	
691 2	(4 <sup>-</sup> )	(3+5)	
886 2	5 <sup>-</sup>	5	
1370 3	3 <sup>-</sup>	3	
1738 4			
1941 4	1 <sup>+</sup>	2+0	
2222 5	(0 <sup>+</sup> )	0	
2790 6	(2 <sup>+</sup> )	(2)	
2969 6	(4 <sup>-</sup> )	(3+5)	
3383 7			E(level): doublet with L=(0) for one of the components.
3606 8			
$\approx$ 11470	(0 <sup>+</sup> )	(0)	Observed by 1973Du02 only. E(level): IAS( ${}^{46}\text{Ar}$ g.s.)?

<sup>†</sup> From analysis of angular distributions.