^{41}K(p,t) 1977SeZR

	Type	Author	History Citation	Literature Cutoff Date
	Full Evaluation	Jun Chen	NDS 149, 1 (2018)	1-Jan-2018

J^π(^{41}K g.s.)=3/2$^+$.

1977SeZR: E=40 MeV, measured σ(E$_t$,θ), FWHM=20 keV. Deduced levels, J, π, L-transfers from DWBA analysis.
All data are from 1977SeZR, unless otherwise noted.

^{39}K Levels

E(level)	J^π	L	S†	Comments
0		0	1.00	
2523		2	0.03 *2*	
2811		3	0.03 *2*	
3020		3	0.03 *2*	
3595		3	>0.05	
3882	(5/2)$^{-\ddagger}$	3	>0.05	
3941		0(+2)	>0.05	
4126		3	>0.05	
4513		5	0.03 *2*	
4678	3/2$^{+\ddagger}$	0(+2)	0.03 *2*	J^π: 7/2$^-$ in Adopted Levels.
4738		3	0.03 *2*	
4935		0	0.03 *2*	
5173	(9/2)$^{-\ddagger}$	5	>0.05	
5266		2	>0.05	
5319		0	>0.05	
5360		5	0.03 *2*	
5501		0(+2)	0.03 *2*	
5597	(1/2)$^{+\ddagger}$	2	0.03 *2*	J^π: 5/2$^+$ in Adopted Levels.
5713		0	>0.05	
5788		3+5	0.03 *2*	
5875		3	<0.01	
5938		3	<0.01	
6050		(0+2)	0.03 *2*	
6181		3	0.03 *2*	
6243		2	0.03 *2*	
6322		0	0.03 *2*	
6450		2	>0.05	
6531		5	0.03 *2*	
7040		3	0.03 *2*	
7122		3	0.03 *2*	
7269		(0+2)	0.03 *2*	
7337		3	0.03 *2*	

† Relative population.
‡ Spin proposed from (2J+1) strengths (1977SeZR).