Ti(μ^-,xnγ) 1973Ev02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows	NDS 109, 171 (2008)	30-Oct-2007

Muons At rest. Measured separate x-ray and γ spectra based on time delay. Counter telescope to detect stopped muon. Total production=5.2% 14.

^{45}Sc Levels

E(level)	J$^\pi$ †
0.0	7/2$^-$
12.40† *5*	3/2$^+$
376.63 *13*	3/2$^-$
719.9 *4*	5/2$^-$

† From the Adopted Levels. Energy held fixed In the least-squares adjustment.

$\gamma(^{45}Sc)$

E$_\gamma$	I$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
364.23 *13*	2.8 *6*	376.63	3/2$^-$	12.40	3/2$^+$
719.9 *4*	2 *1*	719.9	5/2$^-$	0.0	7/2$^-$

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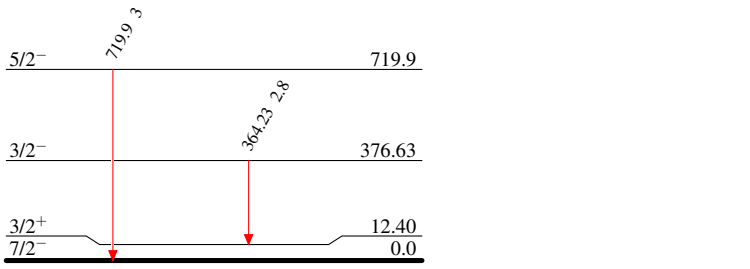
Level Scheme

Intensities: Iγ per 100 μ^- captures



$^{45}_{21}Sc_{24}$