

$^{39}\text{K}(\gamma, \alpha)$ 1987Ar08

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, John Cameron and Balraj Singh		NDS 112,2715 (2011)	20-Oct-2011

1987Ar08: $E < 32$ MeV γ -ray beam produced from the betatron at Moscow University Nuclear Physics Research Institute. Target: a specimen of natural metallic potassium of mass 200g. Emitted photons from particle decays from Giant Dipole Resonant state (GDR) recorded at 140° to the primary γ -beam by a Ge(Li) detector of 100 cm^3 . Measured σ , E_γ . Deduced levels, J^π .

 ^{35}Cl Levels

E(level)	J^π [†]	Comments
0	$3/2^+$	
1760	$5/2^+$	T=1/2

[†] From Adopted Levels.

 $\gamma(^{35}\text{Cl})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
1760	1760	$5/2^+$	0	$3/2^+$

 $^{39}\text{K}(\gamma, \alpha)$ 1987Ar08Level Scheme