

$^{35}\text{Cl}(\gamma, n)$  1997Is02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh		NDS 113, 1563 (2012)	28-May-2012

$^{35}\text{Cl}$  target  $J^\pi$ :  $3/2^+$ .

1997Is02:  $^{35}\text{Cl}(\gamma, n)$   $E_{\gamma_{\max}}=32$  MeV, natural (75.8%)  $^{35}\text{Cl}$  LiCl target. Measured decay photons with Ge(Li) detector but they report only excitation energies  $I\beta$   $^{34}\text{Cl}$ . Also given are  $J^\pi$  and  $C^2S$  values taken from 1990En08 and 1978En02. Studied the mechanism responsible for formation and decay of giant dipole resonances.

 $^{34}\text{Cl}$  Levels

<u>E(level)<sup>†</sup></u>	<u>E(level)<sup>†</sup></u>	<u>E(level)<sup>†</sup></u>	<u>E(level)<sup>†</sup></u>
0	2180	3630	4610
150	2380	3960	4720
460	2610	3980	4990
670	3130	4075	5010
1230	3330	4450	
1890	3380	4460	
2160	3550	4606	

<sup>†</sup> From 1997Is02.