

$^{40}\text{Ca}({}^{35}\text{Cl},\text{p}2\text{n}\gamma)$ **1990De44**

Type	Author	Citation	History Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 111,1 (2010)	1-May-2009

E=95 MeV, $\gamma\gamma$ coin.

The γ -ray energy from the 8^+ level was reported by [1990De44](#) to be 925.0 keV. This value was later on determined to be 995.5 keV. See (HI,xn γ), $^{40}\text{Ca}(^{40}\text{Ca},2\alpha\gamma)$ and $^{40}\text{Ca}(^{36}\text{Ar},2\text{p}2\text{n}\gamma)$ datasets for far more extensive datasets.

 ^{72}Kr Levels

E(level)	J $^\pi$
0	0 $^+$
709.1 3	(2 $^+$)
1321.6 5	(4 $^+$)
2111.8 7	(6 $^+$)

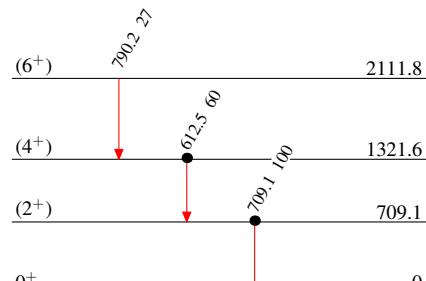
 $\gamma(^{72}\text{Kr})$

E $_\gamma$	I $_\gamma$	E $_i$ (level)	J $^\pi_i$	E $_f$	J $^\pi_f$
612.5	60	1321.6	(4 $^+$)	709.1	(2 $^+$)
709.1	100	709.1	(2 $^+$)	0	0 $^+$
790.2	27	2111.8	(6 $^+$)	1321.6	(4 $^+$)

 $^{40}\text{Ca}({}^{35}\text{Cl},\text{p}2\text{n}\gamma)$ **1990De44**Level SchemeIntensities: Relative I $_\gamma$

Legend

- I $_\gamma < 2\% \times I_{\gamma}^{max}$
- I $_\gamma < 10\% \times I_{\gamma}^{max}$
- I $_\gamma > 10\% \times I_{\gamma}^{max}$
- Coincidence

 $^{72}_{36}\text{Kr}_{36}$