

${}^{74}\text{Se}({}^3\text{He},2n\gamma)$ 1983Wi01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 114, 841 (2013)	30-Jun-2013

1983Wi01: ${}^{74}\text{Se}({}^3\text{He},2n\gamma)$ E=28, 32 MeV. Measured γ , $\gamma\gamma$. A negative parity band from $3/2^-$ to $9/2^-$ built on $5/2^+$ g.s. reported with a cascade of four γ rays: 178.9-178.9-253.3-293.0.

 ${}^{75}\text{Kr}$ Levels

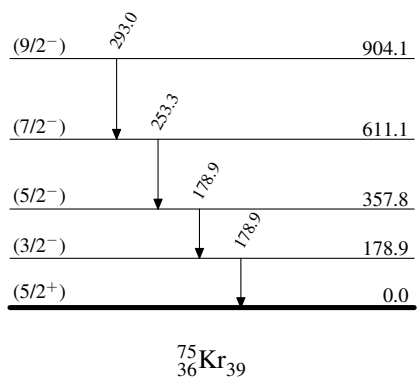
E(level)	J^π [†]
0.0	($5/2^+$)
178.9 [‡]	($3/2^-$)
357.8 [‡]	($5/2^-$)
611.1 [‡]	($7/2^-$)
904.1 [‡]	($9/2^-$)

[†] From 1983Wi01.

[‡] Band(A): $\Delta J=1$ band.

 $\gamma({}^{75}\text{Kr})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
178.9	178.9	($3/2^-$)	0.0	($5/2^+$)
178.9	357.8	($5/2^-$)	178.9	($3/2^-$)
253.3	611.1	($7/2^-$)	357.8	($5/2^-$)
293.0	904.1	($9/2^-$)	611.1	($7/2^-$)

${}^{74}\text{Se}({}^3\text{He}, 2n\gamma)$ 1983Wi01Level Scheme

${}^{74}\text{Se}({}^3\text{He}, 2n\gamma)$ 1983Wi01Band(A): $\Delta J=1$ band(9/2⁻) 904.1

293

(7/2⁻) 611.1

253

(5/2⁻) 357.8

179

(3/2⁻) 178.9 ${}^{75}_{36}\text{Kr}_{39}$