

^{73}Kr ϵp decay (27.3 s) [1981Ha44](#),[1999Mi17](#),[2000Gi11](#)

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

Parent: ^{73}Kr : $E=0$; $J^\pi=(3/2^-)$; $T_{1/2}=27.3$ s 10; $Q(\epsilon\text{p})=4028$ SY; $\% \epsilon\text{p}$ decay=0.25 3

^{73}Kr - $\% \epsilon\text{p}$ decay: $\% \epsilon\text{p}=0.25$ 3 ([1999Mi17](#),[2000Gi11](#)).

^{73}Kr from $^{60}\text{Ni}(^{16}\text{O},3\text{n})$ at 75 MeV. Measured β -delayed protons, E(p), I(p), $\text{p}\gamma$ -, px -ray, and γx -ray coin.

Others: [1981As06](#), [1978As05](#), [1976Ha29](#), [1972Ho20](#).

 ^{72}Se Levels

E(level)	J^π
0	0^+
860	2^+
1317	2^+

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

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
860	860	2^+	0	0^+

Delayed Protons (^{72}Se)

E(^{72}Se)	I(p) [‡]
0	80.4 5
860	19.1 [†] 5
1317	0.5 1

[†] From [2000Gi11](#). See also [1981Ha44](#) for these branches.

[‡] For absolute intensity per 100 decays, multiply by 0.0025 3.

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Legend

Decay Scheme

- Coincidence

$\% \epsilon p = 0.25$ $\xrightarrow{(3/2^-) \quad 0} \quad 27.3 \text{ s } 10$
 $Q = 4028 \text{ SY}$
 $^{73}_{36}\text{Kr}_{37}$

