

${}^{41}\text{Ca}$ ε decay (9.94×10^4 y) [2012Jo04](#),[1991Pa10](#),[1991K106](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja, E. A. Mccutchan		NDS 133, 1 (2016)	30-Sep-2015

Parent: ${}^{41}\text{Ca}$: $E=0$; $J^\pi=7/2^-$; $T_{1/2}=9.94 \times 10^4$ y 15; $Q(\varepsilon)=421.66$ 14; $\% \varepsilon$ decay=100.0

[2012Jo04](#): measured $T_{1/2}$ by liquid scintillation counting and thermal ionization mass spectrometry.

[1991Pa10](#) (also [1989Ku33](#)): measured $T_{1/2}$ by mass spectrometry, K x ray, internal bremsstrahlung.

[1991K106](#) (also [1990Fi13](#)): measured $T_{1/2}$ by mass spectrometry.

[1989Ku33](#): measured x-ray spectra.

[1987Ho16](#): measured K x ray, (K x ray)(IB) coin, IB(internal bremsstrahlung).

[1974Ma30](#), [1972Em01](#), [1962Dr03](#), [1953Br71](#) (also [1951Br94](#),[1950Ri59](#)), [1951Sa31](#): measured $T_{1/2}$ by activation method. These values depend upon σ (n-capture) and K x ray fluorescence yields.

K x ray: [1970Si24](#), [1951Sa31](#).

Internal bremsstrahlung: [1973My03](#).

Internal ionization: [1988Ja11](#).

Source standardization: [1996Ro15](#).

[Additional information 1](#).

 ${}^{41}\text{K}$ Levels

E(level)	J^π^\dagger
0	$3/2^+$

† From the Adopted Levels.

 ε radiations

E(decay)	E(level)	I_ε^\dagger	Log ft	Comments
(421.66 14)	0	100	$10.520^{1u} 7$	$\varepsilon\text{K}=0.8936$; $\varepsilon\text{L}=0.09159$; $\varepsilon\text{M}+=0.01482$

† Absolute intensity per 100 decays.