

^{115}Ag β^- decay (18.0 s) [1982Br10,1981Me17](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 2391 (2012)	1-Sep-2012

Parent: ^{115}Ag : E=41.1 2; $J^\pi=7/2^+$; $T_{1/2}=18.0$ s 7; $Q(\beta^-)=3104$ 18; $\% \beta^-$ decay=79.0 3

Source: ^{238}U (n,F) E=14 MeV palladium chem, genetics ([1973BrXC](#)). ^{252}Cf (SF) Pd and Ag chem ([1981Me17](#)).

 ^{115}Cd Levels

Preliminary level scheme based on independent experiment.

E(level)	J^π †
0.0	$1/2^+$
229.1 2	$(3/2)^+$
360.7 3	$(5/2)^+$
473	$3/2^+, 5/2^+$

† From Adopted Levels, except as noted.

 $\gamma(^{115}\text{Cd})$

$\%IT=21.0$ 3 ([1990Fo07](#)).

E_γ †	I_γ	E_i (level)	J_i^π	E_f	J_f^π
$^{x113.4}$ 3	11.2 11				
$^{131.5}$ ‡ 2	77 4	360.7	$(5/2)^+$	229.1	$(3/2)^+$
$^{x213.3}$ #					
$^{229.1}$ ‡ 2	100	229.1	$(3/2)^+$	0.0	$1/2^+$
$^{360.7}$ 3	16.3 11	360.7	$(5/2)^+$	0.0	$1/2^+$
$^{x372.5}$ #					
$^{x388.9}$ ‡ 2	52 3				
473 #		473	$3/2^+, 5/2^+$	0.0	$1/2^+$
x699 #					
$^{x749.6}$ #					

† From [1981Me17](#), unless otherwise noted.

‡ Seen in ^{252}Cf SF decay ([1969WiZX](#)) K x ray(γ)-coin, semi;

Not seen by [1981Me17](#). $T_{1/2}(131,229,389\gamma)=44$ s 4 ([1969WiZX](#)) deviates from $T_{1/2}=18$ s 1 av value of [1974Gr29](#), [1973BrXC](#), [1970OsZZ](#) with ms or chem sources.

^x γ ray not placed in level scheme.

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Decay Scheme

Intensities: Relative I_γ

Legend

