

$^{114}\text{Cs} \beta^+$ decay 1980Ro04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

Parent: ^{114}Cs : $E=0$; $J^\pi=(1^+)$; $T_{1/2}=0.57$ s 2; $Q(\beta^+)=1.240 \times 10^4$ 7; $\% \beta^+$ decay=100.0

Activity: ^{58}Ni (^{58}Ni ,xpyn) $E=290$ MeV, on-line ms.

Measured: γ , $\gamma\gamma$, a, p, β^+ , semi, telescope.

 ^{114}Xe Levels

E(level)	J^π^\dagger	$T_{1/2}$
0	0^+	10.0 s 4
449.7 2	2^+	
1068.0 3	4^+	
1147.6 2	$(2)^+$	

† From Adopted Levels.

 $\gamma(^{114}\text{Xe})$

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
449.7 2	100 2	449.7	2^+	0	0^+
618.3 2	5.0 7	1068.0	4^+	449.7	2^+
698.2 2	11.8 9	1147.6	$(2)^+$	449.7	2^+
^x 758.2 2	3.0 8				
1147.4 2	2.7 9	1147.6	$(2)^+$	0	0^+

^x γ ray not placed in level scheme.

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Decay Scheme

Intensities: Relative I_γ 