

^{116}In IT decay (2.18 s) [1972Ra39](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

Parent: ^{116}In : E=289.660 6; $J^\pi=8^-$; $T_{1/2}=2.18$ s 4; %IT decay=100.0

Measured γ (semi)(cryst) ([1972Ra39](#),[1970AlZJ](#)).

 ^{116}In Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	1^+	14.10 s 4	
127.267 6	5^+	54.41 min 3	% β^- =100
289.658 6	8^-	2.18 s 4	%IT=100

 $\gamma(^{116}\text{In})$

E_γ	$I_\gamma^\ddagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	$\alpha^\dagger$	$I_{(\gamma+ce)}^\ddagger$	Comments
162.390 3	37.2 12	289.658	8^-	127.267	5^+	E3	1.716	100	ce(K)/($\gamma+ce$)=0.404 5; ce(L)/($\gamma+ce$)=0.183 3; ce(M)/($\gamma+ce$)=0.0378 6; ce(N+)/($\gamma+ce$)=0.00664 11 ce(N)/($\gamma+ce$)=0.00643 11; ce(O)/($\gamma+ce$)=0.000207 4 $\alpha(\text{K})_{\text{exp}}=1.15$ 9 (1961He08) B(E3)(W.u.)=0.0870 18 E_γ : from 1970AlZJ , cryst. Other: 162.39 2 (1972Ra39) semi. Mult.: K/(L+M)=1.6 2 (1964Ca14). I_γ : from I($\gamma+ce$) and α .

[†] [Additional information 1.](#)

[‡] Absolute intensity per 100 decays.

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Decay Scheme

 Intensities: Relative I_γ

%IT=100.0

