¹³³In β^- n decay (165 ms) 1996Ho16,2002Di12

History					
Туре	Author	Citation	Literature Cutoff Date		
Full Evaluation	Balraj Singh	ENSDF	28-Feb-2018		

Parent: ¹³³In: E=0; $J^{\pi}=(9/2^+)$; $T_{1/2}=165$ ms 3; $Q(\beta^-n)=11010$ SY; $\%\beta^-n$ decay=85 10 ¹³³In-J^{π}, $T_{1/2}$: From ¹³³In Adopted Levels in the ENSDF database. Other: 163 ms 7 (2015L004).

¹³³In-Q(β ⁻n): 11010 200 (syst,2017Wa10).

¹³³In- $\beta\beta^-$ n decay: $\beta\beta^-$ n=85 *10* (1996Ho16). Other: measured $\beta\beta^-$ n≈62 (2010MaZS, preliminary value) at ISOLDE-CERN facility. 1996Ho16, 2000Ho32: measured T_{1/2} by timing β -delayed neutrons, neutron spectrum. Deduced $\beta\beta^-$ n.

2002Di12: measured $T_{1/2}$ by timing delayed neutrons.

Note that a possible isomer of ¹³³In was proposed by 1996Ho16 at an energy of 340 keV 30 with a half-life of 180 ms 15, and

 $J^{\pi} = (1/2^{-})$ (from systematics). This isomer could also decay by delayed neutrons, but no information is available as yet about its decay characteristics.

¹³²Sn Levels

E(level)	J^{π}
0	0^+

Delayed Neutrons (132Sn)

E(n)	E(¹³² Sn)	E(¹³³ Sn)	Comments
1260	0	3700	The most intense neutron peak in the spectrum (1996Ho16). It is interpreted as transition from

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Decay Scheme

