

$^{142}\text{Cs}$        $Z = 55$        $N = 87$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1173.613 ( 0.007) MeV

Qbeta- = 7.328 ( 0.009) MeV

	Energy T	J+	J-	J-other	T1/2
142CS 1			0.000	0-	1 1.684 S 14
142CS 2				0.013	2
142CS 3				0.039	3
142CS 4				0.071	4
142CS 5				0.085	5
142CS 6				0.204	6
142CS 7				0.210	7
142CS 8				0.243	8
142CS 9				0.251	9
142CS 10				0.304	10
142CS 11				0.419	11
142CS 12				0.598	12
142CS 13				0.600	13
142CS 14				0.657	14
142CS 15				0.719	15
142CS 16				0.733	16
142CS 17				0.757	17
142CS 18				0.777	18
142CS 19				0.887	19
142CS 20				0.944	20
S-alpha=	0.959 ( 0.009)				
142CS 21				1.067	21
142CS 22				1.068	22
142CS 23				1.090	23
142CS 24				1.195	24
142CS 25				1.312	25
142CS 26				1.615	26
142CS 27				1.876	27
142CS 28				1.961	28
142CS 29				1.985	29
142CS 30				2.095	30
142CS 31				2.282	31
142CS 32				2.500	32

S-p = 9.606 ( 0.008)

S-n = 4.109 ( 0.012)

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S-2p = 21.486 ( 0.014)-----  
S-2n = 9.608 ( 0.011)-----  
S-alpha= 0.959 ( 0.009)-----  
  
S+p = -10.712 ( 0.010)  
S+n = -5.232 ( 0.010)  
S+2p = -18.913 ( 0.015)  
S+2n = -8.899 ( 0.021)  
S+alpha = -1.132 ( 0.007)  
  
gap p = -1.105 ( 0.012)  
gap n = -1.124 ( 0.016)  
gap 2p = 2.573 ( 0.020)  
gap 2n = 0.708 ( 0.024)  
gap alpha = -0.172 ( 0.012)
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