

$^{112}\text{I}$        $Z = 53$        $N = 59$       adopted link      ENSDF link

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

BE = 929.587 ( 0.010) MeV

Qbeta+ = 10.504 ( 0.013) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-2.957 ( 0.012)				
112I	1			0.000 (1+)	1 3.34 S 8
112I	2			0.055	2
112I	3			0.124	3
112I	4			0.189	4
112I	5			0.246	5
112I	6			0.292	6
112I	7			0.296	7
112I	8			0.351	8
112I	9			0.441	9
112I	10			0.577	10
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112I	11			0.643	11
S-p	= 0.765 ( 0.012)				
112I	12			0.853	12
112I	13			1.186	13
112I	14			1.738	14
112I	15			1.841	15
112I	16			2.380	16
112I	17			3.083	17
112I	18			3.137	18
112I	19			3.817	19
S-2p	= 4.192 ( 0.012)				
112I	20			4.665	20
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112I	21			4.812	21
112I	22			5.727	22
112I	23			5.800	23
112I	24			6.626	24
112I	25			7.372	25
112I	26			7.991	26
112I	27			8.712	27
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S-p	= 0.765 ( 0.012)				
S-n	= 10.181 ( 0.011)				
S-2p	= 4.192 ( 0.012)				
S-2n	= 22.738 ( 0.063)				
S-alpha=	-2.957 ( 0.012)				

S+p = -2.429 ( 0.012)  
S+n = -12.128 ( 0.013)  
S+2p = -2.201 ( 0.086)  
S+2n = -21.718 ( 0.022)  
S+alpha = 2.622 ( 0.116)

gap p = -1.664 ( 0.017)  
gap n = -1.947 ( 0.017)  
gap 2p = 1.991 ( 0.086)  
gap 2n = 1.020 ( 0.067)  
gap alpha = -0.335 ( 0.117)