

$^{110}\text{Te}$        $Z = 52$        $N = 58$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 919.393 ( 0.007) MeV

Qbeta+ = 5.220 ( 0.009) MeV

	Energy T	J+		J-	J-other	T1/2
-----						
S-alpha=	-2.699	( 0.008)	-----			
-----						
110TE 1	0.000	0+				1 18.6 S 8
110TE 2	0.657	2+				2
110TE 3	1.402	4+				3
110TE 4	1.578	(2+)				4
110TE 5	1.915	4+				5
110TE 6	2.191	(4+)				6
110TE 7	2.226	6+				7
110TE 8	2.440	6+				8
110TE 9	2.520	6+				9
110TE 10	2.798	(6+)				10
-----						
110TE 11	3.088	8+				11
110TE 12	3.093	7+				12
110TE 13					3.220 (7,8+)	13
S-p =	3.268	( 0.008)	-----			
-----						
110TE 14	3.288	8+				14
110TE 15	3.346	8+				15
110TE 16				3.507	7-	16
110TE 17				3.612	8-	17
110TE 18				3.735	9-	18
110TE 19	3.781	10+				19
110TE 20				4.166	10-	20
-----						
110TE 21				4.353	11-	21
110TE 22	4.504	12+				22
110TE 23	4.656	10+				23
S-2p =	4.738	( 0.008)	-----			
-----						
110TE 24				4.837	12-	24
110TE 25				5.080	13-	25
110TE 26	5.188	12+				26
110TE 27	5.281	14+				27
110TE 28				5.559	14-	28
110TE 29				5.866	15-	29
110TE 30	5.876	14+				30
-----						
110TE 31	6.128	(16+)				31
110TE 32				6.541	16-	32
110TE 33	6.639	16+				33

110TE 34				6.860	17-			34	
110TE 35		6.901	16(+)					35	
110TE 36		6.950	16+					36	
110TE 37					7.210	17(-)		37	
110TE 38		7.582	18+					38	
110TE 39					7.585	18-		39	
110TE 40		7.627	18(+)					40	
-----									
110TE 41					7.725	16-		41	
110TE 42		7.820	18+					42	
110TE 43					7.846	19-		43	
110TE 44					8.110	17-		44	
110TE 45					8.134	19(-)		45	
110TE 46		8.345	20+					46	
110TE 47		8.439	20(+)					47	
110TE 48					8.445	18-		48	
110TE 49		8.590	20+					49	
110TE 50					8.700	20-		50	
-----									
110TE 51					8.787	19-		51	
110TE 52					8.792	(19)-		52	
110TE 53					8.943	21-		53	
110TE 54					9.164	20-		54	
110TE 55					9.190	(21-)		55	
110TE 56		9.229	22+					56	
110TE 57		9.410	22(+)					57	
110TE 58					9.561	21-		58 0.37 PS +17-14	
110TE 59								59 9.622	
110TE 60		9.685	22+					60	
-----									
110TE 61					9.993	22-		61 0.24 PS +9-10	
110TE 62					10.046	(23-)		62	
110TE 63								63 10.203	
110TE 64					10.302	(23-)		64	
110TE 65					10.456	23-		65 0.17 PS 6	
110TE 66		10.472	24(+)					66	
110TE 67								67 10.724	
110TE 68								68 10.745	
110TE 69		10.791	24+					69	
110TE 70					10.944	24-		70	
-----									
110TE 71		11.370	26(+)					71	
110TE 72					11.484	25-		72	
110TE 73		11.543	26(+)					73	
110TE 74								74 11.840	
110TE 75					12.026	26-		75	
110TE 76		12.084	(26+)					76	
110TE 77		12.369	28(+)					77	
110TE 78		12.418	28(+)					78	
-----									
S-n	=	12.586	( 0.008)	-----					

110TE	79			12.604	27-		79
110TE	80			13.215	28-		80
-----							
110TE	81			13.843	29-		81
110TE	82			14.517	30-		82
110TE	83			15.210	31-		83
110TE	84			15.987	32-		84
110TE	85			16.778	33-		85
110TE	86			17.625	34-		86
110TE	87			18.475	35-		87
110TE	88			19.545	36-		88

S-p = 3.268 ( 0.008) -----  
S-n = 12.586 ( 0.008) -----  
S-2p = 4.738 ( 0.008) -----  
S-2n = 22.591 ( 0.009) -----  
S-alpha= -2.699 ( 0.008) -----

S+p = -0.013 ( 0.008)  
S+n = -9.429 ( 0.009)  
S+2p = -2.374 ( 0.011)  
S+2n = -21.480 ( 0.011)  
S+alpha = 2.719 ( 0.013)

gap p = 3.255 ( 0.012)  
gap n = 3.157 ( 0.012)  
gap 2p = 2.363 ( 0.014)  
gap 2n = 1.111 ( 0.014)  
gap alpha = 0.020 ( 0.015)