

^{139}Te $Z = 52$ $N = 87$ adopted link ENSDF link

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

BE = 1141.436 (0.004) MeV

Qbeta- = 8.266 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
139TE 1				0.000 (7/2-)	1 1.6 S 3
139TE 2				0.271 (9/2-)	2
139TE 3				0.627 (13/2-)	3
139TE 4				1.064 (17/2-)	4
139TE 5				1.599 (21/2-)	5
S-alpha=	1.998 (0.005)	-----			
139TE 6				2.211	6

S-p = 12.872 (0.276)-----

S-n = 2.581 (0.005)-----

S-2p = 24.612 (0.274)-----

S-2n = 7.044 (0.004)-----

S-alpha= 1.998 (0.005)-----

S+p = -10.690 (0.013)

S+n = -4.234 (0.015)

S+2p = -22.570 (0.005)

S+2n = -6.586 (0.423)

S+alpha = -2.423 (0.006)

gap p = 2.182 (0.276)

gap n = -1.653 (0.016)

gap 2p = 2.042 (0.274)

gap 2n = 0.458 (0.423)

gap alpha = -0.425 (0.008)