

^{224}Rn $Z = 86$ $N = 138$ adopted link ENSDF link

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

BE = 1718.248 (0.010) MeV

Qbeta- = 0.696 (0.015) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-4.757	(0.020)	-----		
224RN 1	0.000	0+			1 107 M 3
224RN 2				0.136 (2+)	2
224RN 3				0.358 (4+)	3
224RN 4				0.641 (6+)	4
224RN 5				0.651 (3-)	5
224RN 6				0.791 (5-)	6
224RN 7				0.969 (8+)	7
224RN 8				1.006 (7-)	8
224RN 9				1.277 (9-)	9
224RN 10				1.328 (10+)	10

224RN 11				1.588 (11-)	11
224RN 12				1.707 (12+)	12
224RN 13				2.099 (14+)	13

S-p = 8.272 (0.017)-----
 S-n = 6.016 (0.013)-----
 S-2p = 14.619 (0.041)-----
 S-2n = 10.070 (0.010)-----
 S-alpha= -4.757 (0.020)-----

S+p = -5.913 (0.015)
 S+n = -3.982 (0.015)
 S+2p = -13.355 (0.010)
 S+2n = -9.840 (0.014)
 S+alpha = 4.070 (0.010)

gap p = 2.359 (0.023)
 gap n = 2.034 (0.019)
 gap 2p = 1.264 (0.042)
 gap 2n = 0.229 (0.018)
 gap alpha = -0.686 (0.023)