

$^{93}\text{Rh}$        $Z = 45$        $N = 48$       adopted link      ENSDF link

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

BE = 784.439 ( 0.003) MeV

Qbeta+ = 8.205 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
93RH 1				0.000 (9/2+)	1 12.2 S 7
93RH 2				0.240 (7/2+)	2
93RH 3				0.622 (5/2+)	3
93RH 4				0.853 (13/2+)	4
93RH 5				0.864	5
93RH 6				0.894 (11/2+)	6
93RH 7				1.451 (7/2+)	7
93RH 8				1.464 (13/2+)	8
93RH 9				1.630 (9/2+)	9
93RH 10				1.718 (11/2+)	10
93RH 11				1.719 (17/2+)	11
S-p =	1.999 ( 0.004)				
93RH 12				2.052 (21/2+)	12
93RH 13				2.198 (5/2+)	13
93RH 14				2.595 (23/2+)	14
93RH 15				2.891 (25/2+)	15
93RH 16				3.543 (25/2+)	16
S-alpha=	4.042 ( 0.005)				
93RH 17				4.089 (27/2+)	17
93RH 18				4.252 (29/2+)	18
93RH 19				4.549 (31/2+)	19
93RH 20				4.611 (27/2-, 29/2-)	20
93RH 21				4.708 (33/2+)	21
93RH 22				4.749 (29/2-, 31/2-)	22
93RH 23				5.159 (35/2+)	23
93RH 24				5.447 (29/2: 35/2) (-)	24
93RH 25				5.623 (37/2+)	25
93RH 26				5.694 (31/2: 39/2) (-)	26
93RH 27				5.828	27
93RH 28				6.389 (35/2: 41/2) (-)	28
93RH 29				6.580 (35/2: 47/2) (-)	29
93RH 30				6.710 (37/2: 47/2) (-)	30
93RH 31				6.858 (39/2: 47/2) (-)	31
93RH 32				6.924 (41/2+)	32

S-p = 1.999 ( 0.004)

S-n = 14.084 ( 0.005)-----  
S-2p = 7.603 ( 0.004)-----  
S-2n = 26.591 ( 0.273)-----  
S-alpha= 4.042 ( 0.005)-----

S+p = -4.380 ( 0.005)  
S+n = -11.967 ( 0.004)  
S+2p = -5.486 ( 0.380)  
S+2n = -25.472 ( 0.005)  
S+alpha = -4.317 ( 0.012)

gap p = -2.380 ( 0.006)  
gap n = 2.117 ( 0.007)  
gap 2p = 2.117 ( 0.380)  
gap 2n = 1.119 ( 0.273)  
gap alpha = -0.275 ( 0.013)