

^{191}Re $Z = 75$ $N = 116$ adopted link ENSDF link

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

BE = 1517.296 (0.010) MeV

Qbeta- = 2.045 (0.010) MeV

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

S-alpha=	-0.120	(0.057)	-----		
191RE 1				0.000 (3/2+,1/2+)	1 9.8 M 5
191RE 2				0.027	2
191RE 3				0.097 (5/2+)	3
191RE 4				0.145 (9/2-)	4
191RE 5				0.227 (5/2+,7/2+)	5
191RE 6				0.254	6
191RE 7				0.264	7
191RE 8				0.285 (11/2-)	8
191RE 9				0.299	9
191RE 10				0.449 (1/2+)	10

191RE 11				0.521 (5/2+)	11
191RE 12				0.550	12
191RE 13				0.555	13
191RE 14				0.606	14
191RE 15				0.622	15
191RE 16				0.627	16
191RE 17				0.741	17
191RE 18				0.758	18
191RE 19				0.799 (7/2+)	19
191RE 20				0.832	20

191RE 21				0.858 (5/2+)	21
191RE 22				0.876	22
191RE 23				1.004	23
191RE 24				1.015	24
191RE 25				1.064 (3/2+)	25
191RE 26				1.112	26
191RE 27				1.128	27
191RE 28				1.145 (5/2+)	28
191RE 29				1.229 (11/2-)	29
191RE 30				1.243	30

191RE 31				1.367 (11/2-)	31
191RE 32				1.408	32
191RE 33				1.468	33
191RE 34				1.524	34
191RE 35				1.560	35
191RE 36				1.663	36

191RE	37				1.715		37
191RE	38				1.835		38
191RE	39				1.904		39
191RE	40				1.937	(5/2+)	40

191RE	41				0.000	(3/2+,1/2+)	41 9.8 M 5

S-p = 7.271 (0.037)-----
 S-n = 6.839 (0.011)-----
 S-2p = 17.014 (0.189)-----
 S-2n = 12.514 (0.013)-----
 S-alpha= -0.120 (0.057)-----

S+p = -8.821 (0.011)
 S+n = -5.310 (0.072)
 S+2p = -14.764 (0.010)
 S+2n = -12.024 (0.040)
 S+alpha = 0.233 (0.010)

gap p = -1.550 (0.038)
 gap n = 1.529 (0.072)
 gap 2p = 2.250 (0.190)
 gap 2n = 0.490 (0.043)
 gap alpha = 0.113 (0.058)