

^{258}Rf $Z = 104$ $N = 154$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1904.695 (0.032) MeV

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

S-alpha=	-9.193 (0.033)	-----			
258RF	1 0.000	0+			1 12.0 MS 12
258RF	2		0+X		2
258RF	3		0+Y		3 2.4 MS +24-8
258RF	4		0+Z		4 15 US 10

S-p = 0.000 (0.000)-----
S-n = 7.597 (0.034)-----
S-2p = 6.059 (0.033)-----
S-2n = 14.024 (0.037)-----
S-alpha= -9.193 (0.033)-----

S+p = -1.639 (0.062)
S+n = 0.000 (0.000)
S+2p = -4.371 (0.038)
S+2n = 0.000 (0.000)
S+alpha = 9.600 (0.048)

gap p = 0.000 (0.000)
gap n = 0.000 (0.000)
gap 2p = 1.688 (0.050)
gap 2n = 0.000 (0.000)
gap alpha = 0.407 (0.058)