

^{54}Ca $Z = 20$ $N = 34$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 445.365 (0.048) MeV

Qbeta- = 9.277 (0.050) MeV

	Energy T	J+	J-	J-other	T1/2
54CA 1	0.000	0+			1 107 MS 14
54CA 2	2.043	(2+)			2
54CA 3			3.699	(3-)	3

S-p = 20.154 (0.122) -----
 S-n = 3.844 (0.065) -----
 S-2p = 38.361 (0.626) -----
 S-2n = 7.037 (0.048) -----
 S-alpha= 14.369 (0.502) -----

S+p = -12.970 (0.079)
 S+n = -1.561 (0.167)
 S+2p = -28.840 (0.111)
 S+2n = -4.492 (0.254)
 S+alpha = -8.182 (0.190)

gap p = 7.183 (0.145)
 gap n = 2.283 (0.180)
 gap 2p = 9.521 (0.636)
 gap 2n = 2.545 (0.259)
 gap alpha = 6.187 (0.537)