

^{59}Cr $Z = 24$ $N = 35$ adopted link ENSDF link

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

BE = 505.547 (0.001) MeV

Qbeta- = 7.409 (0.002) MeV

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

59CR 1			0.000 (1/2-)		1 0.74 S 28
59CR 2			0.207 (3/2-)		2
59CR 3			0.310 (5/2-)		3
59CR 4	0.503	(9/2+)			4 96 US 20
59CR 5				0.524	5
59CR 6				0.800	6
59CR 7			0.828 (7/2-)		7
59CR 8				0.915	8
59CR 9			1.084 (9/2-)		9
59CR 10	1.316	(13/2+)			10

59CR 11				1.341	11
59CR 12				1.366	12
59CR 13				1.532	13
59CR 14				2.509	14

S-p = 14.974 (0.096) -----
 S-n = 4.195 (0.003) -----
 S-2p = 28.292 (0.206) -----
 S-2n = 11.734 (0.002) -----
 S-alpha = 8.708 (0.029) -----

S+p = -12.141 (0.002)
 S+n = -6.864 (0.001)
 S+2p = -25.383 (0.003)
 S+2n = -10.523 (0.002)
 S+alpha = -9.945 (0.004)

gap p = 2.833 (0.096)
 gap n = -2.668 (0.003)
 gap 2p = 2.910 (0.206)
 gap 2n = 1.210 (0.003)
 gap alpha = -1.236 (0.029)