

^{58}Cr $Z = 24$ $N = 34$ [link to full NNDC output](#)

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

BE = 501.352 (0.002) MeV

Qbeta- = 3.836 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
58CR 1	0.000	0+			1 7.0 S 3
58CR 2	0.881	2+			2 5.4 PS +21-12
58CR 3	1.939	4+			3
58CR 4				2.982 (4+)	4
58CR 5	3.219	6+			5
58CR 6				3.256 (4,5,6+)	6
58CR 7				3.311 (5-)	7
58CR 8				3.618	8
58CR 9				3.715 (6-)	9
58CR 10				3.955	10
58CR 11				3.981 (6,7)	11
58CR 12				4.185 (7-)	12
58CR 13				4.670 (8-)	13
58CR 14	4.680	8+			14 2.1 PS AP

S-p = 14.867 (0.080)-----
 S-n = 7.538 (0.002)-----
 S-2p = 27.250 (0.121)-----
 S-2n = 12.849 (0.002)-----
 S-alpha = 8.795 (0.082)-----

S+p = -10.822 (0.003)
 S+n = -4.165 (0.216)
 S+2p = -23.999 (0.004)
 S+2n = -10.820 (0.194)
 S+alpha = -9.311 (0.003)

gap p = 4.045 (0.081)
 gap n = 3.373 (0.216)
 gap 2p = 3.250 (0.121)
 gap 2n = 2.029 (0.194)
 gap alpha = -0.516 (0.083)