

^{48}Cr $Z = 24$ $N = 24$ adopted link ENSDF link

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

BE = 411.468 (0.007) MeV

Qbeta+ = 1.657 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
48CR 1	0.000	0+			1 21.56 H 3
48CR 2	0.752	2+			2 8.0 PS 5
48CR 3	1.858	4+			3 1.20 PS 13
48CR 4				3.420 (0+)	4
48CR 5	3.445	6+			5 0.19 PS 5
48CR 6				3.524 (0,1,2,3)	6
48CR 7				3.533 4(-)	7 3.3 NS 8
48CR 8				3.632 (2+,3-)	8
48CR 9				4.034 (0,1,2,3)	9
48CR 10				4.064 3(-)	10
48CR 11				4.064 5(-)	11 28 PS 7
48CR 12				4.280 (0+)	12
48CR 13	4.429	4+			13
48CR 14	4.640	2+			14
48CR 15				4.653 (3,4)+	15
48CR 16				4.766 (4,5)	16
48CR 17				4.876 (6-)	17 0.7 PS GT
48CR 18				5.032 (3,4)+	18
48CR 19				5.131	19
48CR 20	5.188	8+			20 0.14 PS 4
48CR 21				5.294 3+,4+,5+	21
48CR 22	5.430	0+			22
48CR 23				5.595	23
48CR 24				5.609 (3+,4+)	24
48CR 25				5.649 (7-)	25 0.42 PS 7
48CR 26				5.670 (0+)	26
48CR 27				5.785	27
48CR 28	5.793	4+			28
48CR 29				5.834	29
48CR 30				5.960 (0+)	30
48CR 31	6.100	2+			31
48CR 32				6.258	32
48CR 33				6.278	33 0.14 PS 3
48CR 34				6.420 (5-)	34
48CR 35	6.855	0+			35
48CR 36	7.064	10+			36 0.125 PS 35
48CR 37				7.550	37

48CR 38				7.671	(9-)	38	0.15	PS	5
S-alpha= 7.698 (0.007)-----									
48CR 39				7.940		39			
S-p = 8.103 (0.007)-----									
48CR 40		8.412	12+			40	0.59	PS	17

48CR 41				8.463		41			
48CR 42		8.750	0+			42			
48CR 43		8.760	0+			43			
48CR 44				9.040		44			
48CR 45				9.180		45			
48CR 46		9.530	0+			46			
48CR 47				9.871	(11-)	47	0.139	PS	35
48CR 48				9.900		48			

S-p = 8.103 (0.007)-----
 S-n = 16.330 (0.009)-----
 S-2p = 13.271 (0.007)-----
 S-2n = 29.492 (0.014)-----
 S-alpha= 7.698 (0.007)-----

S+p = -2.088 (0.008)
 S+n = -10.582 (0.008)
 S+2p = -6.233 (0.011)
 S+2n = -23.583 (0.007)
 S+alpha = -7.936 (0.007)

gap p = 6.016 (0.011)
 gap n = 5.747 (0.012)
 gap 2p = 7.038 (0.013)
 gap 2n = 5.910 (0.015)
 gap alpha = -0.238 (0.010)