^{73}Ga $Z = 31$ $N = 42$ adopted link ENSDF link

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

BE = 634.653 (0.002) MeV
Qbeta- = 1.598 (0.002) MeV

	Energy	T	J+		J-		J-other		T1/2	
73GA 1			0.000	1/2-				1	4.86 H	3
73GA 2			0.000	3/2-				2	200 MS	LT
73GA 3			0.199	5/2-				3		
73GA 4			0.218	3/2-				4	47 PS	6
73GA 5					0.496	5/2-,7/2-		5	22 PS	6
73GA 6					0.651	(7/2-)		6		
73GA 7			0.911	3/2-				7	28 PS	LE
73GA 8			0.952	7/2-				8		
73GA 9			1.114	1/2-				9		
73GA 10	1.232	9/2+						10		
73GA 11					1.393	(5/2-)		11		
73GA 12					1.398	(9/2-)		12		
73GA 13					1.529	5/2-,7/2-		13		
73GA 14					1.578	(5/2-)		14		
73GA 15					1.596	(11/2-)		15		
73GA 16					1.618	5/2-,7/2-		16		
73GA 17					1.693	(1/2-,3/2-)		17		
73GA 18					1.700	(1/2:7/2)-		18		
73GA 19					1.722	(1/2-,3/2-)		19		
73GA 20					1.772	(5/2,7/2)-		20		
73GA 21					1.800	(3/2-)		21		
73GA 22					1.813	(13/2+)		22		
73GA 23					1.925	1/2-,3/2-		23		
73GA 24					1.952	(1/2:7/2)-		24		
73GA 25					1.980	(1/2-,3/2-)		25		
73GA 26					2.001	(1/2:7/2)-		26		
73GA 27					2.067	(3/2:9/2)+		27		
73GA 28			2.067	7/2-				28		
73GA 29			2.109	3/2-				29		
73GA 30					2.160	(1/2:7/2)-		30		
73GA 31					2.221	(1/2:7/2)-		31		
73GA 32					2.246	(1/2-,3/2-)		32		
73GA 33					2.277	(5/2:11/2)-		33		
73GA 34					2.380	(5/2:11/2)-		34		
73GA 35			2.380	1/2-				35		
73GA 36					2.411	(1/2:7/2)(-)		36		
73GA 37					2.467	(3/2+)		37		

73GA 38			2.498	(3/2:9/2)+	38
73GA 39			2.528	(13/2-)	39
73GA 40			2.582	(1/2:7/2)-	40
73GA 41			2.718	(17/2+)	41
73GA 42			2.726	(5/2-,7/2-)	42
73GA 43			2.761	(15/2-)	43
73GA 44			2.770	(1/2-,3/2-)	44
73GA 45			2.814		45
73GA 46			2.987	(1/2,3/2)-	46
73GA 47			3.099	(1/2-,3/2-)	47
73GA 48			3.397	(17/2-)	48
73GA 49			3.828	(19/2-)	49
73GA 50			3.973	(21/2+)	50
73GA 51			5.293	(25/2+)	51

S-p = 8.843 (0.003)
S-n = 9.182 (0.002)
S-2p = 21.566 (0.002)
S-2n = 15.703 (0.002)
S-alpha= 6.388 (0.002)

S+p = -11.012 (0.002)
S+n = -6.422 (0.003)
S+2p = -17.913 (0.002)
S+2n = -14.904 (0.002)
S+alpha = -6.642 (0.002)

gap p = -2.169 (0.003)
gap n = 2.761 (0.004)
gap 2p = 3.653 (0.003)
gap 2n = 0.799 (0.003)
gap alpha = -0.254 (0.003)