

$^{84}\text{Y}$        $Z = 39$        $N = 45$       adopted link      ENSDF link

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

BE = 721.374 ( 0.004) MeV

Qbeta+ = 6.755 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2	
84Y	1			0.000 (6+)	1	39.5 M 8
84Y	2			0.017 (4-)	2	
84Y	3	0.067 1+			3	4.6 S 2
84Y	4			0.112 (4+)	4	79 NS 2
84Y	5			0.130 (2-)	5	
84Y	6			0.149 (5+)	6	
84Y	7			0.157 (8+)	7	14.6 NS 7
84Y	8			0.157	8	
84Y	9			0.163 (5-)	9	32 NS 4
84Y	10			0.199	10	
84Y	11			0.210 (4-)	11	292 NS 10
84Y	12			0.216 (5-)	12	18.7 NS 21
84Y	13			0.420 (6-)	13	17 PS 4
84Y	14			0.565 (6-)	14	
84Y	15			0.669 (9+)	15	
84Y	16			0.744 (7-)	16	
84Y	17			0.936 (7-)	17	
84Y	18			1.071 (10+)	18	1.7 PS 3
84Y	19			1.212 (8-)	19	1.4 PS 6
84Y	20			1.592 (9-)	20	1.3 PS 6
84Y	21			1.603 (11+)	21	0.42 PS 11
84Y	22			1.644 (9-)	22	2.5 PS 7
84Y	23			2.077 (10-)	23	
84Y	24			2.123 (10-)	24	
84Y	25			2.133 (10-)	25	1.0 PS 4
84Y	26			2.196 (12+)	26	0.31 PS 9
84Y	27			2.245 (10-)	27	1.8 PS 8
84Y	28			2.285 (11-)	28	
84Y	29			2.529 (11-)	29	1.7 PS 6
84Y	30			2.608 (11-)	30	
84Y	31			2.741 (13+)	31	0.25 PS 8
84Y	32			2.889 (12-)	32	1.4 PS 3
84Y	33			3.222 (13-)	33	
84Y	34			3.401 (13-)	34	0.62 PS 24
84Y	35			3.503 (14+)	35	0.17 PS 4
84Y	36			3.593 (13-)	36	
84Y	37			3.872 (14-)	37	0.19 PS 7

84Y	38				3.903	(14)	38			
84Y	39				4.020	(15+)	39	0.15	PS 4	
84Y	40				4.024	(14-)	40			
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S-alpha=	4.144	(	0.005)	-----						
84Y	41				4.235	(15-)	41			
S-p	=	4.386	(	0.008)	-----					
84Y	42				4.500	(15-)	42	0.55	PS 21	
84Y	43				4.747	(15-)	43			
84Y	44				4.969	(16+)	44	0.11	PS 3	
84Y	45				5.005	(16-)	45	0.14	PS 5	
84Y	46				5.445	(17+)	46	0.12	PS 3	
84Y	47				5.700	(17-)	47	0.52	PS 19	
84Y	48				6.281	(18-)	48	0.17	PS 6	
84Y	49				6.591	(18+)	49	0.10	PS 3	
84Y	50				7.001	(19+)	50	0.09	PS 3	
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84Y	51				7.096	(19-)	51			
84Y	52				7.717	(20-)	52			
84Y	53				8.330	(20+)	53			
84Y	54				8.632	(21+)	54	0.12	PS 4	
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S-p	=	4.386	(	0.008)	-----					
S-n	=	9.760	(	0.019)	-----					
S-2p	=	12.285	(	0.005)	-----					
S-2n	=	21.973	(	0.007)	-----					
S-alpha=	4.144	(	0.005)	-----						
S+p	=	-6.570	(	0.008)						
S+n	=	-12.019	(	0.019)						
S+2p	=	-9.818	(	0.007)						
S+2n	=	-21.531	(	0.015)						
S+alpha	=	-4.702	(	0.058)						
gap p	=	-2.184	(	0.011)						
gap n	=	-2.259	(	0.027)						
gap 2p	=	2.467	(	0.009)						
gap 2n	=	0.442	(	0.016)						
gap alpha	=	-0.558	(	0.058)						