

^{194}Bi $Z = 83$ $N = 111$ adopted link ENSDF link

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

BE = 1516.924 (0.005) MeV

Qbeta+ = 8.185 (0.018) MeV

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

S-alpha=	-5.918 (0.009)				
194BI	1			0.000 (3+)	1 95 S 3
194BI	2			0.145 (6+,7+)	2 125 S 2
194BI	3			0.161 (10-)	3 115 S 4
194BI	4			0.218 (2+,3+,4+)	4
194BI	5			0.266 (9-)	5
194BI	6			0.382 (1:5)(+)	6
194BI	7			0.400 (1:5)(+)	7
194BI	8			0.486 (1:5)(+)	8
194BI	9			0.687 (11-)	9
194BI	10			0.700 (10-)	10

194BI	11			0.794 (10+)	11 1 NS AP
194BI	12			0.911 (11-)	12
194BI	13			0.936 (11+)	13
194BI	14			1.018 (12-)	14
S-p	= 1.083 (0.012)				
194BI	15			1.163 (12+)	15
194BI	16			1.226 (12-)	16
194BI	17			1.316 (11+)	17
194BI	18			1.349 (13-)	18
194BI	19			1.370 (10-,11+)	19
194BI	20			1.383 (11-)	20

194BI	21			1.426 (13+)	21
194BI	22			1.482 (12)	22
194BI	23			1.500 (12+)	23
194BI	24			1.592 (14-)	24
194BI	25			1.643 (13-)	25
194BI	26			1.699 (13-)	26
194BI	27			1.720 (14+)	27
194BI	28			1.725	28
194BI	29			1.845	29
194BI	30			1.888 (14-)	30

194BI	31			1.896 (13-)	31
194BI	32			1.926	32
194BI	33			1.956 (15-)	33
194BI	34			1.957 (12-,13+)	34
194BI	35			1.985	35

194BI 36				2.030	(14-)	36
194BI 37				2.033	(15+)	37
194BI 38				2.060		38
194BI 39				2.087	(13-,14+)	39
194BI 40				2.113	(15)	40

194BI 41				2.231	(15-)	41
194BI 42				2.245	(16-)	42
194BI 43				2.269	(13-,14+)	43
194BI 44				2.349	(15)	44
194BI 45				2.368	(16+)	45
194BI 46				2.428	(16+)	46
194BI 47				2.429	(16-)	47
194BI 48				2.460	(16)	48
194BI 49				2.558		49
194BI 50				2.612	(17+)	50

194BI 51				2.646	(17-)	51
194BI 52				2.721	(17+)	52
194BI 53				2.784		53
194BI 54				2.808		54
194BI 55				2.967	(18+)	55
194BI 56				2.978	(18-)	56
194BI 57				3.092	(18+)	57
194BI 58				3.204		58
194BI 59				3.411	(19+)	59
194BI 60				3.844	(20+)	60

194BI 61				4.302	(21+)	61

S-p	=	1.083	(0.012)	-----		
S-n	=	8.210	(0.009)	-----		
S-2p	=	4.729	(0.032)	-----		
S-2n	=	18.631	(0.031)	-----		
S-alpha	=	-5.918	(0.009)	-----		
S+p	=	-2.383	(0.008)			
S+n	=	-10.074	(0.007)			
S+2p	=	-2.468	(0.031)			
S+2n	=	-18.129	(0.025)			
S+alpha	=	6.889	(0.007)			
gap p	=	-1.300	(0.014)			
gap n	=	-1.864	(0.012)			
gap 2p	=	2.260	(0.044)			
gap 2n	=	0.502	(0.039)			
gap alpha	=	0.971	(0.011)			