

$^{76}\text{Br}$        $Z = 35$        $N = 41$       adopted link      ENSDF link

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

BE = 656.327 ( 0.009) MeV

Qbeta+ = 4.963 ( 0.009) MeV

	Energy T	J+	J-	J-other	T1/2
76BR 1			0.000	1-	1 16.2 H 2
76BR 2				0.045 (2)-	2 1.13 NS 6
76BR 3				0.103 (4)+	3 1.31 S 2
76BR 4				0.151 (LE 3)	4
76BR 5				0.212 (3-)	5 111 PS 28
76BR 6				0.245 (5)+	6 76 PS 14
76BR 7				0.252 (2)+	7 2.18 NS 9
76BR 8				0.302 (4-)	8 0.52 NS 7
76BR 9	0.316	1+			9
76BR 10				0.317 (2+)	10
76BR 11	0.355	1+			11 0.5 NS 2
76BR 12				0.357 (6)+	12 118 PS 21
76BR 13				0.363 (4-)	13 59 PS 10
76BR 14				0.426	14 45 PS 17
76BR 15				0.446 0+,1+	15
76BR 16	0.452	1+			16 0.4 NS 1
76BR 17				0.467 (5-)	17 242 PS 35
76BR 18				0.487 (0,1)	18
76BR 19				0.496 (0,1,2)	19
76BR 20				0.505 (LE 3)	20
76BR 21				0.528 (LE 3)	21
76BR 22				0.548 (LE 3)	22
76BR 23				0.584 (5-)	23

S-p = 5.409 ( 0.009)-----  
 S-n = 9.253 ( 0.010)-----  
 S-2p = 14.007 ( 0.009)-----  
 S-2n = 21.144 ( 0.011)-----  
 S-alpha= 4.484 ( 0.010)-----

S+p = -7.169 ( 0.010)  
 S+n = -11.017 ( 0.010)  
 S+2p = -11.224 ( 0.010)  
 S+2n = -19.306 ( 0.010)  
 S+alpha = -4.311 ( 0.010)

gap p = -1.761 ( 0.013)

gap n = -1.764 ( 0.014)  
gap 2p = 2.783 ( 0.014)  
gap 2n = 1.838 ( 0.015)  
gap alpha = 0.173 ( 0.014)