

$^{70}\text{Br}$        $Z = 35$        $N = 35$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 589.036 ( 0.015) MeV

Qbeta+ = 10.504 ( 0.015) MeV

	Energy T	J+	J-	J-other	T1/2
70BR 1	0.000	0+			1 79.1 MS 8
70BR 2	0.934	2+			2 2.74 PS 40
70BR 3				1.336 (3+)	3 22 PS 10
70BR 4				1.657 (5+)	4 374 PS 83
70BR 5				1.760	5
S-alpha=	1.825 ( 0.016)				
70BR 6	2.002	4+			6
S-p =	2.280 ( 0.015)				
70BR 7	2.292	9+			7 2.2 S 2
70BR 8				2.351 (5+)	8
70BR 9				2.677 (6+)	9
70BR 10	2.683	7+			10
70BR 11				3.027 (8+)	11
70BR 12				3.099 (10+)	12
70BR 13	3.547	11+			13
70BR 14				3.681 (8+)	14
70BR 15				4.446 (10+)	15
70BR 16				4.531 (12+)	16
70BR 17				4.885 (13+)	17
70BR 18				5.443 (12+)	18
70BR 19				6.051 (14+)	19
70BR 20				6.487 (15+)	20
70BR 21				6.788 (14+)	21
S-2p =	7.109 ( 0.015)				
70BR 22				7.659	22
70BR 23				7.712 (16+)	23
70BR 24				8.070 (17+)	24
70BR 25				8.431 (16+)	25
70BR 26				9.470	26
70BR 27				9.507 (18+)	27
70BR 28				9.782 (19+)	28
70BR 29				11.667 (21+)	29
S-n =	13.237 ( 0.045)				
70BR 30				13.786 (23+)	30
70BR 31				16.158 (25+)	31
70BR 32				18.663 (27+)	32

```
S-p    =  2.280 ( 0.015)-----  
S-n    = 13.237 ( 0.045)-----  
S-2p   =  7.109 ( 0.015)-----  
S-2n   =  0.000 ( 0.000)-----  
S-alpha=  1.825 ( 0.016)-----  
  
S+p    =  -2.191 ( 0.130)  
S+n    = -13.148 ( 0.016)  
S+2p   =   0.000 ( 0.000)  
S+2n   = -23.779 ( 0.015)  
S+alpha = -2.915 ( 0.015)  
  
gap p   =  0.089 ( 0.131)  
gap n   =  0.089 ( 0.047)  
gap 2p  =  0.000 ( 0.000)  
gap 2n  =  0.000 ( 0.000)  
gap alpha = -1.090 ( 0.022)
```