^{51}Fe $Z = 26$ $N = 25$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 431.485 (0.001) MeV
Qbeta+ = 8.054 (0.001) MeV

	Energy	T	J+	J-	J-other		T1/2	
51FE	1			0.000	5/2-		1	305 MS 2
51FE	2			0.254	(7/2-)		2	
51FE	3			1.146	(9/2-)		3	
51FE	4					1.218	4	
51FE	5			1.516	(11/2-)		5	
51FE	6					1.866	6	
51FE	7	2.063	(3/2+)				7	
51FE	8	2.489	(1/2+)				8	
51FE	9			2.953	(13/2-)		9	
51FE	10					3.013	10	
51FE	11					3.127	11	
51FE	12			3.276	(15/2-)		12	
51FE	13					3.310	13	
51FE	14			3.590	(17/2-)		14	1.99 NS +6-8
51FE	15					3.964	15	
51FE	16			4.098	(19/2-)		16	
51FE	17					4.456	17	
S-p =	4.851 (0.001)							
51FE	18			5.608	(21/2-)		18	
51FE	19			6.492	(23/2-)		19	
51FE	20			7.269	(27/2-)		20	48.3 PS 24
51FE	21			7.933	(25/2-)		21	
S-alpha=	8.051 (0.005)							
S-2p =	9.435 (0.003)							
51FE	22			11.468	(29/2-)		22	
51FE	23			11.712	(29/2-)		23	
51FE	24			12.650	(31/2-)		24	

S-p = 4.851 (0.001)
S-n = 13.784 (0.009)
S-2p = 9.435 (0.003)
S-2n = 31.581 (0.024)
S-alpha= 8.051 (0.005)

S+p = -1.444 (0.005)
S+n = -16.214 (0.001)

```
S+2p      =  -4.020 ( 0.025)
S+2n      = -26.901 ( 0.002)
S+alpha   =  -7.572 ( 0.002)

gap p     =   3.408 ( 0.006)
gap n     =  -2.430 ( 0.009)
gap 2p    =   5.415 ( 0.025)
gap 2n    =   4.680 ( 0.024)
gap alpha =   0.479 ( 0.006)
```