

$^{131}\text{Pm}$        $Z = 61$        $N = 70$       adopted link      ENSDF link

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

BE = 1069.353 (-0.262) MeV

Qbeta+ = 8.035 ( 0.263) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-2.375	(-0.365)			
131PM 1				0.000 (11/2-)	1 6.3 S 8
131PM 2				0.273 (15/2-)	2
S-p =	0.426	(-0.263)			
131PM 3				0.680 (19/2-)	3
131PM 4				1.218 (23/2-)	4
131PM 5				1.874 (27/2-)	5
131PM 6				2.634 (31/2-)	6
131PM 7				3.486 (35/2-)	7
131PM 8				4.422 (39/2-)	8
S-2p =	4.538	(-0.264)			
131PM 9				5.438 (43/2-)	9
131PM 10				6.537 (47/2-)	10
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131PM 11				0.000 (11/2-)	11 6.3 S 8

S-p = 0.426 (-0.263)-----  
S-n = 12.323 (-0.369)-----  
S-2p = 4.538 (-0.264)-----  
S-2n = 22.647 (-0.368)-----  
S-alpha= -2.375 (-0.365)-----

S+p = -2.751 (-0.372)  
S+n = -10.011 (-0.293)  
S+2p = -2.095 (-0.373)  
S+2n = -21.817 (-0.267)  
S+alpha = 3.204 (-0.295)

gap p = -2.325 ( 0.456)  
gap n = 2.312 ( 0.471)  
gap 2p = 2.443 ( 0.457)  
gap 2n = 0.830 ( 0.454)  
gap alpha = 0.829 ( 0.469)