

$^{140}\text{Dy}$        $Z = 66$        $N = 74$       adopted link      ENSDF link

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

BE = 1121.120 (-0.420) MeV

Qbeta+ = 7.712 ( 0.904) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.880	(-0.500)			
140DY 1	0.000	0+			1
140DY 2				0.202 (2+)	2
140DY 3				0.566 (4+)	3
140DY 4				1.042 (6+)	4
140DY 5				1.592 (8+)	5
S-p	= 1.892	(-0.504)			
S-2p	= 1.664	(-0.442)			
140DY 6				2.166 (8-)	6 7.0 US 5
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S-p	= 1.892	(-0.504)			
S-n	= 13.151	(-0.697)			
S-2p	= 1.664	(-0.442)			
S-2n	= 24.020	(-0.694)			
S-alpha=	-3.880	(-0.500)			
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S+p	= 1.157	(-0.596)			
S+n	= -10.687	(-0.506)			
S+2p	= 0.314	(-0.706)			
S+2n	= -23.542	(-0.825)			
S+alpha	= 3.752	(-0.444)			
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gap p	= 3.049	( 0.780)			
gap n	= 2.464	( 0.861)			
gap 2p	= 1.978	( 0.833)			
gap 2n	= 0.478	( 1.078)			
gap alpha	= -0.128	( 0.669)			