

$^{178}\text{Au}$        $Z = 79$        $N = 99$       adopted link      ENSDF link

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

BE      =    1397.192 ( 0.010) MeV

Qbeta+ =      9.694 ( 0.014) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-6.058 ( 0.015)				
178AU	1			0.000	1 2.6 S 5
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S-p	= 0.222 ( 0.018)				
S-n	= 8.829 ( 0.014)				
S-2p	= 2.999 ( 0.013)				
S-2n	= 19.925 ( 0.035)				
S-alpha=	-6.058 ( 0.015)				
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S+p	= -1.919 ( 0.030)				
S+n	= -10.757 ( 0.016)				
S+2p	= -1.665 ( 0.071)				
S+2n	= -19.465 ( 0.011)				
S+alpha	= 6.551 ( 0.016)				
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gap p	= -1.697 ( 0.035)				
gap n	= -1.928 ( 0.021)				
gap 2p	= 1.334 ( 0.072)				
gap 2n	= 0.460 ( 0.037)				
gap alpha	= 0.493 ( 0.022)				