

$^{117}\text{Ba}$        $Z = 56$        $N = 61$       adopted link      ENSDF link

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

BE = 957.991 ( 0.250) MeV

Qbeta+ = 9.035 ( 0.258) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-2.321 ( 0.250)				
117BA 1				0.000 (3/2)	1 1.75 S 7

S-p = 2.731 ( 0.276)-----

S-n = 11.199 ( 0.341)-----

S-2p = 3.379 ( 0.251)-----

S-2n = 24.651 ( 0.340)-----

S-alpha= -2.321 ( 0.250)-----

S+p = 0.539 ( 0.434)

S+n = -12.795 ( 0.344)

S+2p = -0.911 ( 0.538)

S+2n = -23.275 ( 0.321)

S+alpha = 2.314 ( 0.441)

gap p = 3.269 ( 0.514)

gap n = -1.597 ( 0.485)

gap 2p = 2.468 ( 0.593)

gap 2n = 1.376 ( 0.467)

gap alpha = -0.006 ( 0.507)