

$^{205}\text{Ra}$        $Z = 88$        $N = 117$       adopted link      ENSDF link

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

BE = 1579.970 ( 0.023) MeV

Qbeta+ = 7.114 ( 0.024) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.486	( 0.025)	-----		
205RA	1			0.000 (3/2-)	1 210 MS +60-40
205RA	2			0.263 (13/2+)	2 170 MS +60-40

S-p = 2.093 ( 0.034)-----  
 S-n = 8.329 ( 0.024)-----  
 S-2p = 2.590 ( 0.024)-----  
 S-2n = 18.940 ( 0.025)-----  
 S-alpha= -7.486 ( 0.025)-----

S+p = 0.392 ( 0.069)  
 S+n = -10.310 ( 0.029)  
 S+2p = 0.000 ( 0.000)  
 S+2n = -18.432 ( 0.063)  
 S+alpha = 8.162 ( 0.023)

gap p = 2.484 ( 0.077)  
 gap n = -1.981 ( 0.038)  
 gap 2p = 0.000 ( 0.000)  
 gap 2n = 0.508 ( 0.067)  
 gap alpha = 0.675 ( 0.034)