

^{148}Pr $Z = 59$ $N = 89$ adopted link ENSDF link

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

BE = 1220.932 (0.015) MeV

Qbeta- = 4.872 (0.015) MeV

	Energy T	J+	J-	J-other	T1/2
148PR 1			0.000 1-		1 2.29 M 2
148PR 2			0.077 4-		2 2.01 M 7
148PR 3				0.098 1-,2-,3-	3
148PR 4				0.099 0-,1-,2-	4
148PR 5				0.105 (0,1,2)-	5

S-alpha=	0.111 (0.020)				
148PR 6				0.121 0-,1-,2-	6
148PR 7				0.196 1	7
148PR 8				0.274 0+,1+,2+	8
148PR 9				0.287	9
148PR 10				0.290 +	10

148PR 11				0.333	11
148PR 12				0.353 -	12
148PR 13	0.391	1+			13
148PR 14				0.468	14
148PR 15	0.521	1+			15
148PR 16				0.626	16
148PR 17	0.765	1+			17

S-p = 7.811 (0.017)-----
S-n = 5.163 (0.022)-----
S-2p = 17.892 (0.015)-----
S-2n = 12.005 (0.038)-----
S-alpha= 0.111 (0.020)-----

S+p = -9.129 (0.015)
S+n = -6.575 (0.018)
S+2p = -15.640 (0.025)
S+2n = -11.908 (0.018)
S+alpha = -1.144 (0.030)

gap p = -1.318 (0.023)
gap n = -1.412 (0.028)
gap 2p = 2.252 (0.029)
gap 2n = 0.097 (0.041)
gap alpha = -1.033 (0.036)