^{128}Te(p,p′) 1975Ma03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Zoltan Elekes and Janos Timar	NDS 129, 191 (2015)	28-Feb-2015

1975Ma03, 1973Ma29, 1973Ma12: E=51.9 MeV; enriched metallic target, broad range magnetic spectrograph.
1968Ma34: E=16 MeV; semi p′(θ); DWBA analysis.
1965Co04: E=11 MeV; magnetic spectrograph.

^{128}Te Levels

Deformation parameters are taken from 1975Ma03, unless otherwise noted.

E(level)[†]	L[‡]	Comments
0.0		
743	2	β_2=0.135; other: 0.128 *4* (1968Ma34).
1496[#] *7*		
1522[#] *7*		
1810 *20*		
1972[#] *7*		
2031[#] *7*	4	β_4=0.067.
2138[#] *7*	5	E(level): other: 2130 *10* (1975Ma03). L-value from 1975Ma03. β_5=0.050 (1975Ma03).
2360 *20*		
2490 *10*	3	β_3=0.091; other: 0.110 *10* (1968Ma34).
2700		Doublet.
2900 *40*		
3070 *20*	(4)	β_4=0.049 if L=4.
3160 *20*	3	β_3=0.051.
3330 *40*		
3530 *40*		

[†] From 1975Ma03, unless otherwise noted. Energy scale is normalized to 743 keV of first 2^+ by 1975Ma03.
[‡] From 1975Ma03, 1973Ma29, 1973Ma12.
[#] From 1965Co04.