

$^{136}\text{Ba}(\text{d},\text{p})$  1970Vo04

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 108,2173 (2007)	1-Oct-2006

E=12.0 MeV measured:  $\sigma(\theta)$ , S, DWBA. FWHM=13-15.

 $^{137}\text{Ba}$  Levels

E(level)	L	S <sup>†</sup>	E(level)	L	S <sup>†</sup>	E(level)	L	S <sup>†</sup>	E(level)	L	S <sup>†</sup>
0.0	2	0.68	1903 10			3008 20			3606? <sup>‡</sup> 20		
281 5	0	0.18	2041 20			3041?			3640? <sup>‡</sup> 20	3	0.42
659 10		≈0.6	2180 20	1	0.79	3141 20	5	3.8	3684? <sup>‡</sup> 20	1	0.08
907?			2268 20			3228? <sup>‡</sup> 20	3	0.31	3703? <sup>‡</sup> 20	3	0.19
1044?			2663 20	1	0.28	3254? <sup>‡</sup> 20			3723? <sup>‡</sup> 20		
1292 10			2704 20			3319? <sup>‡</sup> 20	1	0.12	3782? <sup>‡</sup> 20		
1462 10			2810?	(3)	0.19	3332? <sup>‡</sup> 20	3	1.00	3805? <sup>‡</sup> 20	(1)	0.05
1794 10	3	2.9	2848 20	3	0.14	3407? <sup>‡</sup> 20	1	0.15	3827? <sup>‡</sup> 20	3	0.30
1839 10	0		2875 20	3	0.23	3496? <sup>‡</sup> 20	3 <sup>#</sup>	0.27			
1857?	(0)		2911 20	3	0.18	3591? <sup>‡</sup> 20	3	0.16			

<sup>†</sup> DWBA calculations.

<sup>‡</sup> The corresponding p groups may belong to  $^{137}\text{Ba}(\text{d},\text{p})^{138}\text{Ba}$ .

<sup>#</sup> May be admixture of levels with different L.