

$^{138}\text{Ba}(p,d)$ 1971Ch07

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

E=24.5 MeV; FWHM \approx 45 keV.

Other: E=35 MeV; FWHM \approx 35 keV (1971Jo05).

Measured: $\sigma(\theta)$, deduced spectroscopic factors.

 ^{137}Ba Levels

E(level)	L	(2J+1)S	Comments
0	2	4	
281 15	0	1.6	
662 15	5	9.0	
1290 15	2	0.94	
1460 15	2	0.95	
1840 30	0 \dagger	0.25 \dagger	
1900 30	2	0.6	
2040 30	2	0.4	
2230 30	4	0.55	
2340 30	4	0.55	L: L= 5 S=1.4 (1971Jo05).
2530 30	4 \dagger	1.0 \dagger	
2670 30			
2750 30			
2890 30			
2990 30	4 \dagger	2.7 \dagger	
3130? \dagger			
3210? \dagger			
3420? \dagger			
3550 \dagger	4 \dagger	2.0 \dagger	

\dagger From 1971Jo05.