

$^{134}\text{Ba}(\text{p,p})$  IAR 1970Wi18

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Alexander A. Rodionov And Yuri L. Khazov		NDS 109, 517 (2008)	22-Jan-2008

E=7-12 MeV.

1970Wi18: resolution $\approx$ 20 keV,  $\theta=105^\circ, 125^\circ, 145^\circ, 170^\circ$ . $^{135}\text{La}$  Levels

E(level) <sup>†</sup>	J <sup><math>\pi</math></sup>	$\Gamma$	S	Comments
12815	(3/2 <sup>+</sup> )	42 keV	0.25	E(p)(C.M.)=7825. IAS of $^{135}\text{Ba}$ g.s., 3/2 <sup>+</sup> ; $\Gamma_p=2.7$ keV.
13053	(1/2 <sup>+</sup> )	53 keV	0.27	E(p)(C.M.)=8063. IAS of 221, 1/2 <sup>+</sup> in $^{135}\text{Ba}$ ; $\Gamma_p=9.0$ keV.
14222	(7/2 <sup>-</sup> )	48 keV	0.33	E(p)(C.M.)=9232. IAS of 1446, 7/2 <sup>-</sup> in $^{135}\text{Ba}$ ; $\Gamma_p=4.4$ keV.
14360	(3/2 <sup>-</sup> )	81 keV	0.29	E(p)(C.M.)=9370. IAS of 1584, (3/2) <sup>-</sup> in $^{135}\text{Ba}$ ; $\Gamma_p=11.5$ keV.
14767	(1/2 <sup>-</sup> )	87 keV	0.18	E(p)(C.M.)=9777, IAS of 1997, (1/2) <sup>-</sup> in $^{135}\text{Ba}$ ; $\Gamma_p=7.5$ keV.
14936				E(p)(C.M.)=9946. IAS of possible 2150, L(d,p)=(3) level in $^{135}\text{Ba}$ .
15514	(1/2 <sup>-</sup> , 3/2 <sup>-</sup> )			E(p)(C.M.)=10524, IAS of 2730, L(d,p)=1 level in $^{135}\text{Ba}$ .
15773				E(p)(C.M.)=10783. IAS of possible 2949, L(d,p)=3 level in $^{135}\text{Ba}$ .

<sup>†</sup> Sum of S(p)=4990 *l*0 and E(p)(C.M.) for the resonance. Uncertainties of E(p) are not given.