^{130}Ba(p,p) IAR 1970Wi18

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, I. Mitropolsky, A. Rodionov	NDS 107, 2715 (2006)	17-Jul-2006

E=7-12 MeV; resolution≈20 keV, θ=105°, 145°, 170°.

^{131}La Levels

E(level)†	Γ	L	S	Comments
S(p)+7403 *20*	45 keV	0	0.53	Γ_p=14 keV *3* E_{lab}=7460 *20*; IAS of ^{131}Ba g.s., 1/2$^+$.
S(p)+7526 *20*	59 keV	2	0.43	Γ_p= 3.9 keV *8* E_{lab}=7584 *20*; IAS of ^{131}Ba, 108, 3/2$^+$, level.
S(p)+8467 *20*	61 keV	1	0.33	Γ_p=9.6 keV *20* E_{lab}=8532 *20*; IAS of ^{131}Ba, 1100, 1/2$^-$,3/2$^-$, level.
S(p)+8536 *20*	67 keV	3	0.22	Γ_p=1.9 keV *4* E_{lab}=8602 *20*; IAS of ^{131}Ba, 1162, 5/2$^-$,7/2$^-$, level.
S(p)+8675 *20*	62 keV	1	0.24	Γ_p=7.1 keV *15* E_{lab}=8742 *20*; IAS of ^{131}Ba, 1317, 1/2$^-$,3/2$^-$, level.

† S(p)=3.797 MeV *28*. E(p) are in the center of mass.