^{104}Ru(p,p) IAS 1969Fr18

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes	NDS 161, 1 (2019)	1-Apr-2019

E(p)=3-7.4 MeV; measured: σ(E,θ), θ=90°, 125° and 160°; deduced IAR, L(p), Γ.

^{105}Rh Levels

Γ′s are accurate to ≈20%.

E(level)	J^π	L[†]	Comments
6640 *10*	$3/2^+$	2	J^π: analog of ^{105}Ru g.s. Γ(p)=3 keV, Γ(total)=40 keV.
6775 *10*	$1/2^+$	0	J^π: analog of 159-keV level in ^{105}Ru. Γ(p)=13 keV, Γ(total)=52 keV.
7080 *10*	$3/2^+$,$5/2^+$	2	J^π: analog of 442-keV level in ^{105}Ru. Γ(p)=9 keV, Γ(total)=55 keV.
7260 *10*	$(1/2^+)$		J^π: proposed to be analog of 631-keV level in ^{105}Ru.

[†] From excitation function at various angles.