^{120}Sn(α,p) 1977Ka04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 174, 1 (2021)	15-Apr-2021

1977Ka04: E=30 MeV alpha beam was produced from the AVF cyclotron of the KVI. Targets were 150 μg/cm^2 98% enriched ^{120}Sn foils. Reaction products were detected with two E-ΔE telescopes (FWHM=45 keV). Measured σ(E$_p$,θ). Deduced levels, J, π from DWBA analysis.

^{123}Sb Levels

E(level)	J$^\pi$[†]
0.0	7/2$^+$
160	5/2$^+$
542	3/2$^+$
713	1/2$^+$
1511	3/2$^+$,5/2$^+$
1643	11/2$^-$
1754	(7/2)$^+$

[†] Proposed by 1977Ka04 on the basis of J-dependence in (α,p).