
 $^{124}\text{Sn}(\text{p},\alpha)$ **1976Sm04**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111, 1619 (2010)	20-Jan-2009

 ^{121}In Levels

E(p)=22, 30 MeV, enriched target (94.7%), counter telescope 4-semi array, FWHM $\approx$ 50 keV, $\theta=10^\circ-60^\circ$.

E(level) [†]	J π [‡]	L	E(level) [†]	J π [‡]	L	E(level) [†]	J π [‡]	E(level) [†]
0.0	9/2 ⁺	4	1021 5			1494 5	(9/2 ⁺)	2129 5
310 5	1/2 ⁻	1	1079 5	5/2 ⁻	3	1614 5		2247 5
632 5	3/2 ⁻	1	1185 5	(13/2) ⁺		1977 5		2367 5

[†] Uncertainties are generally reported as 0.2%, but evaluators assign 5 keV.

[‡] J π values are based on systematic behavior of level energies and J-dependence of cross section to ^{113}In - ^{121}In levels; detailed analysis of (p, α) cross section and angular distribution are made for the $^{118}\text{Sn}(\text{p},\alpha)$ reaction.