^{144}Sm(^{16}O,^{14}C) 1976Vo07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. Rodionov and G. Shulyak	NDS 136, 163 (2016)	14-Jul-2016

1976Vo07: ^{144}Sm(^{16}O,^{14}C), E=104 MeV; measured σ(E(^{14}C), θ), at 30°−50° in 5° step; FWHM=100-140 keV. Cyclotron, magnetic spectrometer, detector for heavy ions in focal plane (coordinate, TOF, dE/dx).

^{146}Gd Levels

E(level)[†]	J$^{\pi}$[‡]
0	0^+
1580	3^-[#]
1950	2^+
2690	5^-[@]
3070	
3520	
3880	10^+

[†] Derived by evaluators from fig. 4 of 1976Vo07.
[‡] From 'Adopted Levels'. Assigned spins in fig. 9 of 1976Vo07 differ from those.
[#] 2^+,(3^-) in 1976Vo07.
[@] 4^+ in 1976Vo07: σ is larger than for other excited levels.