^{209}Bi(π^+,π^-) 1980Mo20

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. Chen # and F. G. Kondev	NDS 126, 373 (2015)	30-Sep-2013

1980Mo20: E=292 MeV pion beam at θ=5° was produced using the EPICS facility at the Clinton P. Anderson Meson Physics Facility. Measured $\sigma(\theta)$. Deduced Isobaric Analog State (IAS).

^{209}At Levels

E(level)	J^π	Comments
35×10^3 *1*	$(9/2^-)$	Γ=1000 keV J^π: possible double isobaric analog of the ^{209}Bi g.s. Based on the agreement of the observed and calculated energies, the authors suggest that the observed peak is the double isobaric analog state (DIAS). Cross section to this state is 0.46 *15* μb/sr.