^{209}Bi(e,e′): giant resonance 1973Kl01

History

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

1973Kl01: E=101-245 MeV electron beams were produced from the Laboratoire de l′Accelerateur Lineaire, Orsay. Target was a 0.12 g/cm^2 thick ^{209}Bi. Scattered electrons were momentum analyzed with a double-focusing spectrometer and detected with a single Cerenkov Counter, energy resolution=1.6%, θ=67°−81°, momentum transfer=0.8-1.5 fm^{-1}. Measured σ.

For (e,e′) data for low-lying excitations see “inelastic scattering”.

^{209}Bi Levels

E(level)	Comments
0.0	
≈20000	Γ=8.0 MeV Excitation form factor consistent with E0 or E2 excitation.