^{209}Bi(e,n): giant resonance 1988Ca12

History

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

1988Ca12: E=8-22 MeV electrons were produced from the Sao Paulo Electron Linear Accelerator. A 99% enriched ^{209}Bi target was used. Neutrons were detected by four BF_3 counters. Measured σ(E). Deduced transition strengths.

^{209}Bi Levels

The authors conclude that the M1 strength lies below the neutron emission threshold.

E(level)	Comments
10900	Γ=2.7 MeV. %EWSR=50 *30*. Interpreted by authors as the isoscalar E2 giant resonance.
13450 *10*	Γ=3.89 MeV *3* Interpreted by authors as the E1 giant resonance.
20200?	Γ=6.0 MeV %EWSR=200 *90*. Interpreted by the authors as the isovector giant resonance.