^{235}U(n,Fγ) E=thermal 1973Kh05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 2187 (2012)	15-Sep-2012

Measured: deexcitation γ rays from primary fission fragments within the first few nanoseconds after fission, using fragment-fragment-γ coin. Fragment A and most probable Z were determined within 1 unit; the member of a fragment pair giving rise to a given γ ray was deduced from the sign of the observed γ ray Doppler shift.

The authors tentatively assign a γ ray with Eγ=956 *5* to ^{92}Kr and interpret it as a g.s. transition, based on systematics of 2^+ to 0^+ transition energies in neighboring nuclei and on Iγ. The evaluator questions this assignment of the 956γ to ^{92}Kr in view of the identification (in ^{92}Br β^- decay) of a 769-keV level as the first 2^+ state of ^{92}Kr and the absence of a 956γ in ^{92}Br β^- decay.