^{186}W(n,p) 2004Xu08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. C. Batchelder and A. M. Hurst, M. S. Basunia	NDS 183, 1 (2022)	1-Mar-2022

E=14 MeV beam provided by 600 kV Cockcroft-Walton accelerator. Measured Eγ, timing decay curves for γ rays to deduce half-life of an isomer in ^{186}Ta using an HPGe detector and a clover Ge detector.

^{186}Ta Levels

E(level)	$T_{1/2}$	Comments
0	10.4† min *5*	$T_{1/2}$: From 737.5+739.2-keV γ(t) in 2004Xu08 (evaluators list the most precise value).
0+x	1.54† min *5*	E(level): 336 keV *20* in Adopted Levels.

† Measured by 2004Xu08 from (g.s.+isomer) decay curves for 197.5-, 307.5-, 417.7-, 615.3-, 737.5+739.2-keV γ rays. And analyzing and fitting a two-component radioactive decay by computer code.