

$^{202}\text{Hg}(\mu^-, \gamma)$ 1974Ba77

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Zhu and F. G. Kondev		NDS 109, 699 (2008)	1-May-2007

1974Ba77: γ -rays from muonic atoms of ^{202}Hg and γ -rays from ^{202}Tl ε decays were measured with Ge(Li) detectors. They were compared with each other. Isomer shifts for transition from the 2^+ state to ground state was deduced.

 ^{202}Hg Levels

E(level) [†]	J ^π [‡]	Comments
0	0 ⁺	
439.27 17	2 ⁺	E(level): isomer shift=20+190-320 eV (1974Ba77).

[†] From a least-square fit to E_γ .

[‡] From Adopted Levels.

 $\gamma(^{202}\text{Hg})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
439.27 17	439.27	2 ⁺	0	0 ⁺	E_γ : As compared to the measured 439.544 keV 20 in ^{201}Tl ε decay in this same paper(1974Ba77).

 $^{202}\text{Hg}(\mu^-, \gamma)$ 1974Ba77Level Scheme