¹⁹⁸Hg(γ , γ): res fluorescence 1955Me41

History

Type Author Citation Literature Cutoff Date
Full Evaluation Huang Xiaolong and Kang Mengxiao NDS 133, 221 (2016)

1-Dec-2015

Measured angular distribution of resonance scattered γ 's from 411.8 level by using thermal Doppler-broadening method at an average temperature of 1125°C.

Others: 1953Ma27, 1958Kn53.

198Hg Levels

All data are from 1955Me41, except as noted.

$$\gamma$$
(198Hg)

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E_γ E_i(level)
$$J_i^{\pi}$$
 E_f J_f^{π} Mult. α^{\ddagger} Comments

411.8 411.8 2^+ 0.0 0^+ E2 † 0.0443 α (K)= 0.0301; α (L)=0.01068; α (M)=0.00266; α (N+..)=0.00083

[†] From Adopted Gamma radiations.

 $^{^{\}ddagger}$ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ -ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

¹⁹⁸Hg(γ , γ): res fluorescence 1955Me41

Level Scheme

