^{50}Ti(γ,γ′) 1976Ra03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 157, 1 (2019)	15-Apr-2019

1976Ra03: Bremsstrahlung continuum produced by electron beam on Au foil, natural target. Measured resonant scattering; θ=96° and 126°.

^{50}Ti Levels

E(level)	Jπ	$T_{1/2}$ †	Comments
0	0^+		
1554	(2)	0.90 ps *28*	$T_{1/2}$: from measured Γ_0=0.52 meV *15*. Jπ: Iγ(96°)/Iγ(126°)≈2.3 consistent with J=2.
4311?			$T_{1/2}$: 0.7 to 4.2 fs from width.

† Deduced from Γ as obtained from integrated cross section for resonant scattering. Strong interference from ^{46}Ti limits accuracy of $T_{1/2}$(4311).

γ(^{50}Ti)

E_γ	Γ (meV)	E_i(level)	J_i^π	E_f	J_f^π
1554	0.52 *15*	1554	(2)	0	0^+
4311†	85 *60*	4311?		0	0^+

† Placement of transition in the level scheme is uncertain.