^{25}Mg(e,e′) 1975Ok01,1976Le11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 110, 1691 (2009)	1-Feb-2008

Other reference: 1969Fa12.

^{25}Mg Levels

E(level)	J^π	$T_{1/2}$ †	Comments
0	$5/2^+$		
975	$3/2^+$	11 ps *3*	$T_{1/2}$: From BE2(↑)=2.3 6 (1976Le11).
1612	$7/2^+$	17 fs *3*	$T_{1/2}$: From BE2(↑)=119 6 (1975Ok01), BE2(↑)=156 7 (1976Le11).
1965	$5/2^+$	0.74 fs *7*	$T_{1/2}$: From BE2(↑)=3.0 5 (1976Le11).
2563	$1/2^+$	13 fs *5*	$T_{1/2}$: From BE2(↑)=3.8 4 (1975Ok01), BE2(↑)=4.3 8 (1976Le11).
2738	$7/2^+$	42 fs *4*	$T_{1/2}$: From BE2(↑)=6.1 5 (1976Le11).
2800	$3/2^+$	26 fs *3*	$T_{1/2}$: From BE4(↑)=1500 400 (1975Ok01), BE2(↑)=5.3 4 (1976Le11).
3405	$9/2^+$	7.7 fs *7*	$T_{1/2}$: From BE2(↑)=47 3 (1975Ok01), BE2(↑)=57 4 (1976Le11).
3908	$(5/2)^+$		$T_{1/2}$: From BE2(↑)=2.7 4, BE4(↑)=1900 400 (1975Ok01).
4059	$9/2^+$	54 fs *4*	$T_{1/2}$: From BE2(↑)=9.4 7, BE4(↑)=1300 400 (1975Ok01), BE2(↑)=9.6 10 (1976Le11).
5252	$(11/2)^+$		$T_{1/2}$: From BE4(↑)=5800 1200 (1975Ok01).

† Calculated from BE2(↑) and adopted branching intensities.

γ(^{25}Mg)

E_γ	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult.	δ	Comments
975	51 *1*	975	$3/2^+$	0	$5/2^+$	M1+E2	+0.36 *2*	
1612	100	1612	$7/2^+$	0	$5/2^+$	M1+E2	−0.189 *12*	
1965	26 *1*	1965	$5/2^+$	0	$5/2^+$	M1+E2	−0.60 *10*	
2563	3 *1*	2563	$1/2^+$	0	$5/2^+$	E2		
2738	6 *1*	2738	$7/2^+$	0	$5/2^+$	M1+E2	0.17 *3*	δ: Calculated from BE2(↑) and adopted half-life.
2801	21.9 *12*	2800	$3/2^+$	0	$5/2^+$	M1+E2	−0.64 *8*	
3405	11.4 *6*	3405	$9/2^+$	0	$5/2^+$	E2		
3908	12.2 *11*	3908	$(5/2)^+$	0	$5/2^+$	M1+E2	0.47 *5*	δ: Calculated from BE2(↑) and adopted half-life.
4059	60 *1*	4059	$9/2^+$	0	$5/2^+$	E2		
5252		5252	$(11/2)^+$	0	$5/2^+$			

† Branching percentage from Adopted Gammas.

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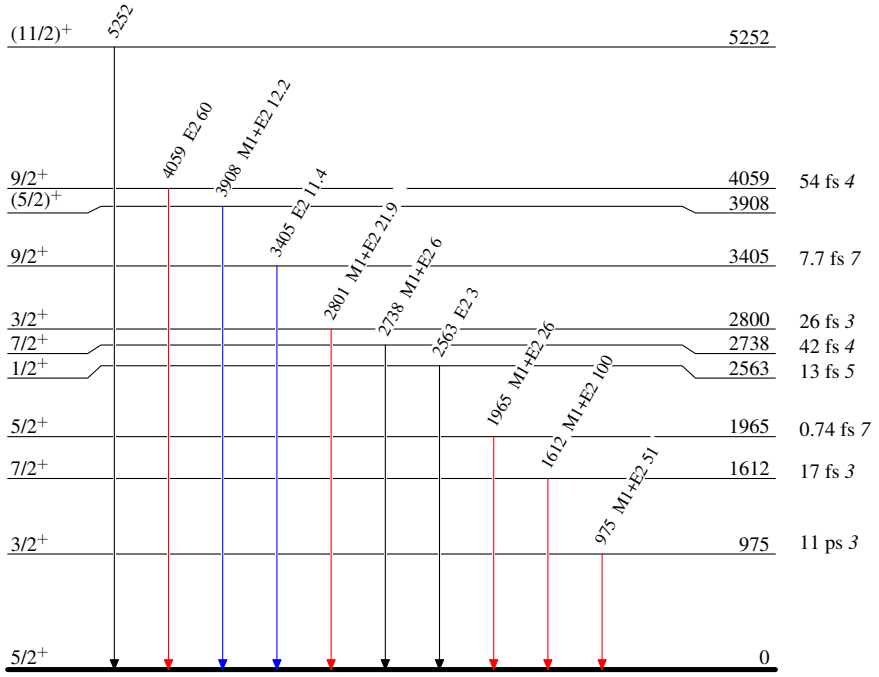
Level Scheme

Intensities: Type not specified



$^{25}_{12}Mg_{13}$