

$^2\text{H}(^{27}\text{Al}, p\gamma)$ 1994Ka26

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 114, 1189 (2013)	1-Apr-2013

$^2\text{H}(^{27}\text{Al}, p\gamma)$, Target: ^{27}Al implanted in a Au sheet following implantation of ^{20}Ne ; Projectile: ^{27}Al , E=15-, 16-, 29-MeV; γ rays are detected using a Compton suppressed HPGe detector; Measured E_γ and deduced lifetime by the Doppler Shift Attenuation Method.

 ^{28}Al Levels

E(level) [†]	T _{1/2} [‡]	E(level) [†]	T _{1/2} [‡]	E(level) [†]	T _{1/2} [‡]
0.0		3296.34 4	8 fs 3	5134.849 8	5.6 fs 7
1013.637 9	104 fs 14	3347.19 4	6 fs 2	5176.96 6	7 fs 3
2138.910 10	8 fs 1	3465.294 10	44 fs 2	5377.83 4	4 fs 2
2201.43 3	41 fs 4	3591.457 9	29 fs 4	5442.267 8	3.3 fs 10
2271.745 19	22 fs 3	3875.773 11	19 fs 2	5741.115 13	4.2 fs 14
2486.20 6	66 fs 7	3935.603 18	21 fs 7	5797.537 18	<4 fs
2581.81 22	284 fs 35	4691.097 6	4.9 fs 6	5860.78 3	<7 fs
2656.30 4	22 fs 3	4764.922 10	3.5 fs 14	6198.874 12	<4 fs
3105 1	15 fs 3	4903.577 6	5.7 fs 8	6316.798 9	<4 fs

[†] From Adopted Levels.

[‡] Half-life is deduced by the evaluator from reported mean lifetime in 1994Ka26.