^{9}Be(^{26}Ne,Xγ) 2006Te04,2004Te03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia, Anagha Chakraborty	NDS 205,1 (2025)	31-May-2025

E(^{26}Ne)=80 MeV/A. Measured Eγ, Iγ with segmented Ge array, recoil-γ coincidence, longitudinal momentum distribution.
Deduced excited levels, L value, partial cross-section, spectroscopic factor, etc.
Total inclusive σ=98 mb *5*.

All data are from 2006Te04.

^{25}Ne Levels

E(level)†	J$^{\pi}$‡	L#	C^{2}S	Comments
0	1/2$^+$	0	1.4 *1*	Partial σ=42 mb *4*.
1703 *15*	5/2$^+$	2	1.3 *1*	L: for doublet. Partial σ=25 mb *2* (for doublet).
2090 *10*			0.5 *1*	C^{2}S: for 3/2$^+$. Partial σ=9 mb *2*.
3316 *20*	5/2$^+$	2	1.2 *2*	L: for doublet. Partial σ=22 mb *3* (for doublet).

† From Eγ.
‡ Predicted value in 2006Te04, based on measured partial cross-section, spectroscopic factor, L-value, etc.
# From measured and calculated longitudinal momentum distribution.

γ(^{25}Ne)

E$_\gamma$	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$
1613 *15*	3316	5/2$^+$	1703	5/2$^+$
1703 *15*	1703	5/2$^+$	0	1/2$^+$
2090 *10*	2090		0	1/2$^+$

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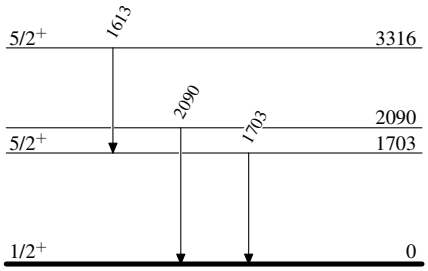
Level Scheme



$^{25}_{10}Ne_{15}$