

Adopted Levels, Gammas

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

Q(β^-)= 7.30×10^3 5; S(n)= 4.18×10^3 5; S(p)= 1.691×10^4 9; Q(α)= -1.255×10^4 5 [2012Wa38](#)

Note: Current evaluation has used the following Q record \$ 7250 30 4230 3016960 80-12600 20 [2003Au03](#).

See abstract for special evaluation policies used in the A=25 OR Comments dataset in ENSDF.

²⁵Ne Levels

Cross Reference (XREF) Flags

A	²⁵ F β^- decay	D	² H(²⁴ Ne,p),(²⁶ Ne, ²⁵ Ne)
B	²⁶ Mg(¹³ C, ¹⁴ O)	E	⁹ Be(²⁶ Ne,X)
C	²⁶ Mg(⁷ Li, ⁸ B)		

E(level)	J ^{π}	T _{1/2}	XREF	Comments
0.0	1/2 ⁺	602 ms 8	ABCDE	% β^- =100 μ =-1.0062 5 μ : Colinear fast beam laser spectroscopy (2005Ge06). J ^{π} : L=0 in ² H(²⁴ Ne,p). T _{1/2} : from 1973Go11 .
1702.8 7	(5/2,3/2) ⁺		ABCDE	J ^{π} : L=2 in ² H(²⁴ Ne,p), logft=5.2 from 5/2 ⁺ .
2090 5	(3/2,5/2) ⁺		A CDE	J ^{π} : L=2 in ² H(²⁴ Ne,p), logft=5.3 from 5/2 ⁺ .
3316.4 11			Abcde	XREF: b(3330)c(3250)d(3321)e(3316).
3324 5	(3/2,5/2,7/2) ⁺		Abcde	XREF: b(3330)c(3250)d(3321)e(3316). J ^{π} : Logft=4.8 from 5/2 ⁺ .
3891.2 12	(3/2,5/2,7/2) ⁺		A	J ^{π} : Logft=4.6 from 5/2 ⁺ .
4070? 30			BCD	
4.70×10^3 10			C	
6280 50			B	

γ (²⁵Ne)

E _i (level)	J _i ^{π}	E _{γ}	I _{γ}	E _f	J _f ^{π}
1702.8	(5/2,3/2) ⁺	1702.7 7	100	0.0	1/2 ⁺
2090	(3/2,5/2) ⁺	2090 5	100	0.0	1/2 ⁺
3316.4		1613.4 12	100	1702.8	(5/2,3/2) ⁺
3324	(3/2,5/2,7/2) ⁺	1234 5	72 28	2090	(3/2,5/2) ⁺
		1622 5	100 28	1702.8	(5/2,3/2) ⁺
3891.2	(3/2,5/2,7/2) ⁺	574.7 5	100 9	3316.4	
		2188.6 13	76 29	1702.8	(5/2,3/2) ⁺
4070?		4070 [†] 30	100	0.0	1/2 ⁺

[†] Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Type not specified

- ▶ $I_\gamma < 2\% \times I_\gamma^{max}$
- ▶ $I_\gamma < 10\% \times I_\gamma^{max}$
- ▶ $I_\gamma > 10\% \times I_\gamma^{max}$
- - -▶ γ Decay (Uncertain)

