

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111,2555 (2010)	30-Jun-2009

$Q(\beta^-) = -5116$ 11; $S(n) = 8944$ 10; $S(p) = 6588$ 11; $Q(\alpha) = -3673$ 12 [2012Wa38](#)

Note: Current evaluation has used the following Q record -5112 12 8947 11 6586 12 -3673 16 [2009AuZZ](#).

$S(2n) = 22383$ 12, $S(2p) = 11226$ 12 ([2009AuZZ](#)).

α : [Additional information 1](#).

 ^{95}Ru LevelsCross Reference (XREF) Flags

A	^{95}Rh ε decay (5.02 min)	D	$^{94}\text{Mo}(\alpha, 3n\gamma)$
B	^{95}Rh ε decay (1.96 min)	E	$^{64}\text{Zn}(^{35}\text{Cl}, 3pn\gamma)$
C	$^{92}\text{Mo}(\alpha, n\gamma), (^6\text{Li}, p2n\gamma)$	F	$^{96}\text{Ru}(p, d)$

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
0.0 ^{&}	5/2 ⁺	1.643 h 13	ABCDEF	$\% \varepsilon + \% \beta^+ = 100$ $\mu = (-)0.861$ (1991Hi17) J^π : 3/2 ⁺ , 5/2 ⁺ from L(p,d)=2; log $ft = 5.2$ to 7/2 ⁺ . T _{1/2} : weighted av of 1.650 h 17 (1968Pi03 , Ge(Li)) and 1.632 h 21 (1970Bo22 , $\beta\gamma$ -coin; NaI). μ : NMR.
787.7 4	1/2 ⁺		B F	XREF: F(779). J^π : From angular momentum transfer in (p,d).
890? 5			F	
941.79 15	7/2 ⁽⁺⁾		A CDEF	XREF: F(940). J^π : 7/2 from $\gamma(\theta)$ in ($^6\text{Li}, p2n\gamma$). (7/2 ⁺ , 9/2 ⁺) from L(p,d)=(4).
1141 5	3/2 ⁺ , 5/2 ⁺		F	
1352.08 ^{&} 14	9/2 ⁺		A CDEF	XREF: F(1342). J^π : 7/2 ⁺ , 9/2 ⁺ from L(p,d)=4; 9/2 from $\gamma(\theta)$ in ($^6\text{Li}, p2n\gamma$).
1494.68 23	(7/2, 9/2)		A	J^π : (7/2, 9/2, 11/2) from log $ft = 6.0$ to 6.4 from (9/2) ⁺ and γ to 5/2 ⁺ .
1524.0? 3	(7/2, 9/2)		A	J^π : (7/2, 9/2, 11/2) from log $ft = 6.0$ to 6.4 from (9/2) ⁺ and γ to 5/2 ⁺ .
1925.29? 24	(7/2, 9/2)		A	J^π : (7/2, 9/2, 11/2) from log $ft = 6.0$ to 6.4 from (9/2) ⁺ and γ to 5/2 ⁺ .
2029.62 ^{&} 18	13/2 ⁺		A CDE	
2067.5? 3	(11/2 ⁺)		C	J^π : from $\gamma(\theta)$, comparison to shell-model calculations, and systematics of other odd-a Ru isotopes in ($^6\text{Li}, p2n\gamma$).
2117.0 4	9/2 ⁺		A F	XREF: F(2108). J^π : from L=4 transfer in (p,d).
2155.70? 24	(7/2, 9/2)		A	J^π : (7/2, 9/2, 11/2) from log $ft = 6.0$ to 6.4 from (9/2) ⁺ and γ to 5/2 ⁺ .
2246.92 ^a 19	11/2 ⁺	240 [#] ps 21	A CDE	J^π : 11/2 from $\gamma(\theta)$ in ($\alpha, 3n\gamma$) and M of decay γ' s; (7/2, 9/2, 11/2) ⁺ from log $ft = 5.5$ from 9/2 ⁺ .
2258.84 20	(9/2, 11/2) ⁺		A	J^π : (7/2, 9/2, 11/2) ⁺ from log $ft = 4.5$ to 5.3 from (9/2) ⁺ and γ to 13/2 ⁽⁺⁾ .
2268.2? 3	(7/2, 9/2)		A	J^π : (7/2, 9/2, 11/2) from log $ft = 6.0$ to 6.4 from (9/2) ⁺ and γ to 5/2 ⁺ .
2284.0 ^{&} 3	17/2 ⁺	3.05 ns 28	CDE	J^π : From $\gamma(\theta)$ in ($\alpha, 3n\gamma$) and E2 cascade to 13/2 ⁺ . T _{1/2} : From $\gamma(t)$ in ($^6\text{Li}, p2n\gamma$). μ : +7.01 14 (1978LeZA , 1976Le30 , DPAD) not adopted since the assignment to 2285 was based on the assumption of only one 255 γ . Coincidence data in ($^6\text{Li}, p2n\gamma$) indicate that intensity of 255 γ is distributed between two transitions of identical energy.
2294 5	9/2 ⁺		F	J^π : from L=4 transfer in (p,d).
2431.11 22	(9/2, 11/2) ⁺		A	J^π : (7/2, 9/2, 11/2) ⁺ from log $ft = 4.5$ to 5.3 from (9/2) ⁺ and γ to 13/2 ⁽⁺⁾ .
2450.2 3	(11/2 ⁻)		C E	J^π : from $\gamma(\theta)$, comparison to shell-model calculations, and systematics

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Adopted Levels, Gammas (continued) ^{95}Ru Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
				of other odd-A Ru isotopes in ($^6\text{Li}, p2n\gamma$).
2493.12 ^b 21	13/2 ⁻	0.60 [@] ns 4	C E	J ^π : From $\gamma(\theta)$, the mult. of the decay γ 's and comparison to shell-model calculations.
2538.0 ^{&} 4	21/2 ⁺	10.05 ns 14	CDE	$\mu=+9.17$ 7 (1989Ra17,1988Gr34) J ^π : From $\gamma(\theta)$ in ($\alpha, 3n\gamma$) and E2 cascade to 13/2 ⁺ . T _{1/2} : From $\gamma(t)$ in ($^6\text{Li}, p2n\gamma$) (1985Ch28). μ : DPAD. See also comment on $\mu(2284)$.
2575.1 3			E	
2690.99 24	(9/2, 11/2)		A	J ^π : (7/2, 9/2, 11/2) from log ft=5.4 from (9/2) ⁺ ; γ to 13/2 ⁽⁺⁾ .
2695.6? 3	(9/2)		A	J ^π : (7/2, 9/2, 11/2) from log ft=5.8 from (9/2) ⁺ ; γ 's to 5/2 ⁺ and 13/2 ⁽⁺⁾ .
2713 5	1/2 ⁻ , 3/2 ⁻		F	J ^π : from L=1 transfer in (p,d).
2774.3 ^a 3	15/2 ⁻	6.93 [#] ps 6	C E	J ^π : from $\gamma(\theta)$, (M1+E2) γ to 13/2 ⁻ , (E1) γ to 13/2 ⁺ and membership in band.
2902.3? 3	(7/2, 9/2, 11/2) ⁺		A	J ^π : log ft=4.8 to 5.5 from (9/2) ⁺ .
2999.4 4			E	
3062.9 3	(7/2, 9/2) ⁺		A	
3164.5? 7	(7/2, 9/2) ⁺		A	
3186.3 8	(3/2) ⁻		B F	XREF: F(3178). J ^π : 1/2 ⁻ , 3/2 ⁻ from L(p,d)=1. γ to 5/2 ⁺ .
3214 5	1/2 ⁻ , 3/2 ⁻		F	J ^π : From angular momentum transfer in (p,d).
3362.9 3	(19/2 ⁺)		E	J ^π : E1 γ from (21/2 ⁻).
3383 5	9/2 ⁺ , 7/2 ⁺		F	J ^π : From angular momentum transfer in (p,d).
3407.2 5	(3/2) ⁻		B F	J ^π : (1/2, 3/2) ⁻ from log ft=4.8 from (1/2) ⁻ ; γ to 5/2 ⁺ .
3477.8 ^a 3	(17/2 ⁻)	5.5 [#] ps 6	E	J ^π : membership in band.
3551.23 25	(7/2, 9/2) ⁺		A	
3655.8? 7	(7/2, 9/2, 11/2) ⁺		A	J ^π : log ft=4.8 to 5.5 from (9/2) ⁺ .
3686.7? 8	(7/2, 9/2) ⁺		A	
3702.2 ^b 3	(19/2 ⁻)	<2.1 [@] ps	E	J ^π : membership in band.
3733.6 3	(7/2, 9/2) ⁺		A	
3744.0? 12	(9/2, 11/2) ⁺		A	J ^π : (7/2, 9/2, 11/2) ⁺ from log ft=4.5 to 5.3 from (9/2) ⁺ and γ to 13/2 ⁽⁺⁾ .
3779.1 3	(9/2) ⁺		A	J ^π : (7/2, 9/2, 11/2) ⁺ from log ft=4.7 from (9/2) ⁺ ; γ 's to 5/2 ⁺ and 13/2 ⁽⁺⁾ .
3824.5? 7	(3/2) ⁻		B	J ^π : (1/2, 3/2) ⁻ from log ft=4.7 from (1/2) ⁻ ; γ to 5/2 ⁺ .
3830.3 ^{&} 4	25/2 ⁽⁺⁾	<1.5 ps	DE	J ^π : 25/2 from $\gamma(\theta)$ in ($\alpha, 3n\gamma$). $\pi=+$ from membership in band. T _{1/2} : Determined by recoil-distance Doppler shift (RDDS) method in 2004Ga08.
3975.8? 8	(7/2, 9/2, 11/2) ⁺		A	J ^π : log ft=4.8 to 5.5 from (9/2) ⁺ .
3983.6? 5	(7/2, 9/2) ⁺		A	
3985.7 ^a 3	(21/2 ⁻)	8.9 [#] ps 10	E	J ^π : membership in band.
4177.7? 12	(7/2, 9/2) ⁺		A	
4192.8 ^a 4	(23/2 ⁻)	5.68 [#] ps 28	E	J ^π : membership in band.
4502.9 ^b 5	(29/2 ⁺)	11.0 [@] ps 7	E	J ^π : membership in band.
4505.8 ^a 4	(25/2 ⁻)	3.19 [#] ps 21	E	J ^π : membership in band.
4744.5 ^a 4	(27/2 ⁻)	2.91 [#] ps 28	E	J ^π : membership in band.
5616.6 ^a 5	(29/2 ⁻)	1.59 [#] ps 21	E	J ^π : (E2) γ to (25/2 ⁻) and (M1) γ to (27/2 ⁻).
5774.5 ^b 5	31/2 ⁻	2.63 [@] ps 28	E	J ^π : (E2) γ to (27/2 ⁻).
6643.8 ^b 6	(31/2 ⁺ , 33/2 ⁺)	≤4.2 [@] ps	E	J ^π : γ to (29/2 ⁺) and comparison to RUL from the half life limit.
6777.6 ^b 6	(31/2 ⁺ , 33/2 ⁺)	≤6.9 [@] ps	E	J ^π : γ to (29/2 ⁺).
6824.8 ^b 7	(33/2 ⁺ , 35/2 ⁺)	≤4.9 [@] ps	E	J ^π : membership in band and comparison to RUL from the half life

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Adopted Levels, Gammas (continued) ^{95}Ru Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
				limit.
7063.9 ^b 6	(33/2 ⁻ , 35/2 ⁻)	≤1.4 [@] ps	E	J ^π : γ to (31/2 ⁻) and comparison to RUL from the half life limit.
7527.4 ^b 6	(33/2 ⁻ , 35/2 ⁻)	≤7.6 [@] ps	E	J ^π : γ to (31/2 ⁻) and comparison to RUL from the half life limit.
7529.7 ^b 7	(35/2 ⁺ , 37/2 ⁺)	≤4.9 [@] ps	E	J ^π : membership in band.
7681.7 ^b 6	(35/2 ⁻)	≤2.8 [@] ps	E	J ^π : γ to (31/2 ⁻) and comparison to RUL from the half life limit.
7762.3 6			E	
8103.8 ^b 7	(37/2 ⁺ , 39/2 ⁺)	≤5.5 [@] ps	E	J ^π : membership in band.
8137.2 6			E	
8308.5 ^b 6	(35/2 ⁻)	≤1.4 [@] ps	E	J ^π : γ to (31/2 ⁻) and comparison to RUL from the half life limit.
8702.6 ^b 8	(39/2 ⁺ , 41/2 ⁺)	≤6.2 [@] ps	E	J ^π : γ to (37/2 ⁺ , 39/2 ⁺) and comparison to RUL from the half life limit.
8735.3 6			E	
8849.3 ^b 9	(39/2 ⁺ , 41/2 ⁺)	≤5.5 [@] ps	E	J ^π : membership in band.
9341.5 ^b 9	(41/2 ⁺ , 43/2 ⁺)	≤6.9 [@] ps	E	J ^π : membership in band.
12160.9 ^b 10	(43/2 ⁺ , 45/2 ⁺)	≤3.5 [@] ps	E	J ^π : γ's to (39/2 ⁺ , 41/2 ⁺) and comparison to RUL from the half life limit.

[†] Excitation energies are from a least-squares fit to E_γ's for states connected by transitions with known ΔE_γ.

[‡] (7/2, 9/2, 11/2)⁺ from log ft=4.5 to 5.3 from (9/2)⁺ and γ to 5/2⁺, except as noted.

Determined by differential decay curve method (DDCM) in $^{64}\text{Zn}(^{35}\text{Cl}, 3\text{pn}\gamma)$.

@ Determined by recoil-distance Doppler shift (RDDS) method in $^{64}\text{Zn}(^{35}\text{Cl}, 3\text{pn}\gamma)$.

& Band(A): γ sequence based on 5/2⁺, g.s..

^a Band(B): γ sequence based on 13/2⁻.

^b Band(C): γ sequence based on (31/2⁺).

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$

See 5.02-min and 1.96-min ε decay and ($\alpha, 3n\gamma$) for unplaced gammas. See also 5.02-min ε decay for transitions looked for but not observed by 1981Gr20.

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [‡]	α	Comments
787.7	1/2 ⁺	787.7 4	100	0.0	5/2 ⁺			E_γ, I_γ : from 1.96-min ε decay.
941.79	7/2 ⁽⁺⁾	941.9 3	100	0.0	5/2 ⁺	D+Q		E_γ : weighted average of 941.6 3 (⁹⁵ Rh ε decay (5.02 min)), 942.2 3 (⁶⁴ Zn(³⁵ Cl,3pn γ)).
1352.08	9/2 ⁺	410.25 21	3.8 9	941.79	7/2 ⁽⁺⁾	D+Q		E_γ : weighted average of 410.3 3 (⁹⁵ Rh ε decay (5.02 min)), 410.2 3 (⁶⁴ Zn(³⁵ Cl,3pn γ)).
		1352.05 21	100 3	0.0	5/2 ⁺	Q		I_γ : weighted average of 5.2 5 (⁹⁵ Rh ε decay (5.02 min)), 3.0 10 (⁹² Mo($\alpha, n\gamma$), (⁶ Li, p2n γ)).
								E_γ : weighted average of 1352.0 3 (⁹⁵ Rh ε decay (5.02 min)), 1352.1 3 (⁶⁴ Zn(³⁵ Cl,3pn γ)).
								I_γ : weighted average of 100 3 (⁹⁵ Rh ε decay (5.02 min)), 100 10 (⁹² Mo($\alpha, n\gamma$), (⁶ Li, p2n γ)).
1494.68	(7/2, 9/2)	553.1	≤ 2.9	941.79	7/2 ⁽⁺⁾			
		1494.7 3	100 57	0.0	5/2 ⁺			
1524.0?	(7/2, 9/2)	1524.5 & 5	100	0.0	5/2 ⁺			
1925.29?	(7/2, 9/2)	401.2 @ & 3	59 @ 11	1524.0?	(7/2, 9/2)			
		983.9	≤ 1.8	941.79	7/2 ⁽⁺⁾			E_γ : observed only in ε decay.
		1925.3 & 3	100 9	0.0	5/2 ⁺			
2029.62	13/2 ⁺	677.45 21	100	1352.08	9/2 ⁺	Q		E_γ : weighted average of 677.6 3 (⁹⁵ Rh ε decay (5.02 min)), 677.3 3 (⁶⁴ Zn(³⁵ Cl,3pn γ)).
		2028.6	≤ 0.6	0.0	5/2 ⁺			E_γ : observed only in ε decay.
2067.5?	(11/2 ⁺)	715.4 & 3	100	1352.08	9/2 ⁺	(D+Q)		E_γ, I_γ : from ($\alpha, n\gamma$), (⁶ Li, p2n γ).
2117.0	9/2 ⁺	622.5 5	100 8	1494.68	(7/2, 9/2)			
		764.4 7	81 14	1352.08	9/2 ⁺			
		1175.4 7	59 11	941.79	7/2 ⁽⁺⁾			
2155.70?	(7/2, 9/2)	661.0 @ & 3	100 @ 7	1494.68	(7/2, 9/2)			
		2155.7 & 3	51 12	0.0	5/2 ⁺			
2246.92	11/2 ⁺	894.90 21	96 8	1352.08	9/2 ⁺	(E2+M1) [#]	0.00118 4	$\alpha(\text{K})=0.00104$ 4; $\alpha(\text{L})=0.000119$ 3; $\alpha(\text{M})=2.18 \times 10^{-5}$ 6; $\alpha(\text{N})=3.53 \times 10^{-6}$ 10; $\alpha(\text{O})=1.86 \times 10^{-7}$ 9
								$\alpha(\text{N}+..)=3.72 \times 10^{-6}$ 11
								E_γ : weighted average of 895.0 3 (⁹⁵ Rh ε decay (5.02 min)), 894.8 3 (⁶⁴ Zn(³⁵ Cl,3pn γ)).
								I_γ : from ε decay.
		1305.15 21	100 6	941.79	7/2 ⁽⁺⁾	(E2) [#]	0.000523 8	$\alpha(\text{K})=0.000436$ 7; $\alpha(\text{L})=4.97 \times 10^{-5}$ 7; $\alpha(\text{M})=9.09 \times 10^{-6}$ 13;

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$ (continued)

<u>E_i(level)</u>	<u>J_i^{π}</u>	<u>E_{γ}^{$\dagger$}</u>	<u>I_{γ}^{$\dagger$}</u>	<u>E_f</u>	<u>J_f^{π}</u>	<u>Mult.^{$\ddagger$}</u>	<u>α</u>	<u>Comments</u>
								$\alpha(\text{N})=1.471\times 10^{-6}$ 21 $\alpha(\text{O})=7.78\times 10^{-8}$ 11; $\alpha(\text{N}+..)=2.81\times 10^{-5}$ 4 B(E2)(W.u.)=0.0122 15 I _{γ} : I γ (1305 γ)/I γ (895 γ)=0.50 14 in (⁶ Li,p2n γ) and =0.13 1 in ⁶⁴ Zn(³⁵ Cl,3pn γ). I _{γ} : weighted average of 100 6 (⁹⁵ Rh ε decay (5.02 min)), 16 5 (⁶⁴ Zn(³⁵ Cl,3pn γ)). I _{γ} : from ε decay. E _{γ} : observed only in ε decay. $\alpha(\text{K})=0.043$ 15; $\alpha(\text{L})=0.0058$ 25; $\alpha(\text{M})=0.0011$ 5; $\alpha(\text{N})=0.00017$ 7; $\alpha(\text{O})=7.3\times 10^{-6}$ 21 $\alpha(\text{N}+..)=0.00018$ 7
2246.92	11/2 ⁺	2246.7	≤ 4.0	0.0	5/2 ⁺			
2258.84	(9/2,11/2) ⁺	229.3 3	76 5	2029.62	13/2 ⁺	[M1,E2]	0.050 18	
		906.9 3	20.2 21	1352.08	9/2 ⁺			
		1317.0 3	100 7	941.79	7/2 ⁽⁺⁾			
		2258.5	≤ 2.4	0.0	5/2 ⁺			
2268.2?	(7/2,9/2)	1326.6& 3	100 9	941.79	7/2 ⁽⁺⁾			
		2267.0& 10	54 9	0.0	5/2 ⁺			
2284.0	17/2 ⁺	254.7@ 3	100@	2029.62	13/2 ⁺	E2	0.0468	$\alpha(\text{K})=0.0400$ 6; $\alpha(\text{L})=0.00557$ 9; $\alpha(\text{M})=0.001029$ 15; $\alpha(\text{N})=0.0001613$ 24; $\alpha(\text{O})=6.61\times 10^{-6}$ 10 $\alpha(\text{N}+..)=0.0001679$ 25 B(E2)(W.u.)=6.4 6 Mult.: Q from $\gamma(\theta)$ in (⁶ Li,p2n γ); $\neq$ M2 from comparison to RUL. E _{γ} ,I _{γ} : weighted average of 255 1 (⁹² Mo(α ,n γ),(⁶ Li,p2n γ)), 254.7 3 (⁶⁴ Zn(³⁵ Cl,3pn γ)). $\alpha(\text{K})=0.0080$ 11; $\alpha(\text{L})=0.00098$ 18; $\alpha(\text{M})=0.00018$ 4; $\alpha(\text{N})=2.9\times 10^{-5}$ 5; $\alpha(\text{O})=1.41\times 10^{-6}$ 15 $\alpha(\text{N}+..)=3.0\times 10^{-5}$ 5
2431.11	(9/2,11/2) ⁺	401.2@ 3	13.3@ 25	2029.62	13/2 ⁺	[M1,E2]	0.0092 13	
		1079.3 3	39 3	1352.08	9/2 ⁺			
		1489.3 3	100 6	941.79	7/2 ⁽⁺⁾			
		2431.1	≤ 2.1	0.0	5/2 ⁺			
2450.2	(11/2 ⁻)	383& 3		2067.5?	(11/2 ⁺)			E _{γ} : observed only in (α ,n γ),(⁶ Li,p2n γ). E _{γ} : from (³⁵ Cl,3pn γ).
		1098.1 3		1352.08	9/2 ⁺			
2493.12	13/2 ⁻	43		2450.2	(11/2 ⁻)			E _{γ} : observed only in (α ,n γ),(⁶ Li,p2n γ). $\alpha(\text{K})=0.034$ 11; $\alpha(\text{L})=0.0045$ 18; $\alpha(\text{M})=0.0008$ 4; $\alpha(\text{N})=0.00013$ 5; $\alpha(\text{O})=5.9\times 10^{-6}$ 15 $\alpha(\text{N}+..)=0.00014$ 5
		246.4 3	100 7	2246.92	11/2 ⁺	(E1+M2)	0.040 13	
		463.9 3	25 7	2029.62	13/2 ⁺	(E1+M2)	0.010 9	E _{γ} ,I _{γ} : from (³⁵ Cl,3pn γ); not observed in (α ,n γ),(⁶ Li,p2n γ). $\alpha(\text{K})=0.009$ 8; $\alpha(\text{L})=0.0011$ 10; $\alpha(\text{M})=0.00021$ 17; $\alpha(\text{N})=3.E-5$ 3;

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$ (continued)								
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [‡]	α	Comments
2493.12	13/2 ⁻	1140.8 3	95 7	1352.08	9/2 ⁺	(M2)	0.001644 23	$\alpha(\text{O})=1.7\times 10^{-6}$ 15 $\alpha(\text{N}+..)=4.\text{E}-5$ 3 E_γ, I_γ : from ($^{35}\text{Cl}, 3\text{pn}\gamma$). $\alpha(\text{K})=0.001441$ 21; $\alpha(\text{L})=0.0001674$ 24; $\alpha(\text{M})=3.07\times 10^{-5}$ 5 $\alpha(\text{O})=2.66\times 10^{-7}$ 4; $\alpha(\text{N}+..)=5.50\times 10^{-6}$ $\text{B}(\text{M2})(\text{W.u.})=0.54$ 7
2538.0	21/2 ⁺	255 [@] 1	100 [@]	2284.0	17/2 ⁺	E2	0.0466 9	E_γ, I_γ : from ($^{35}\text{Cl}, 3\text{pn}\gamma$); not observed in ($\alpha, n\gamma$), ($^6\text{Li}, \text{p}2n\gamma$). $\alpha(\text{K})=0.0399$ 8; $\alpha(\text{L})=0.00555$ 12; $\alpha(\text{M})=0.001024$ 21; $\alpha(\text{N})=0.000161$ 4; $\alpha(\text{O})=6.58\times 10^{-6}$ 13 $\alpha(\text{N}+..)=0.000167$ 4 $\text{B}(\text{E2})(\text{W.u.})=1.94$ 5 Mult.: Q from $\gamma(\theta)$ in ($^6\text{Li}, \text{p}2n\gamma$); $\neq \text{M2}$ from comparison to RUL.
2575.1	(9/2, 11/2)	291.3 3	100	2284.0	17/2 ⁺			E_γ, I_γ : from ($\alpha, n\gamma$), ($^6\text{Li}, \text{p}2n\gamma$). E_γ, I_γ : from ($^{35}\text{Cl}, 3\text{pn}\gamma$).
2690.99		661.0 [@] 3	100 [@] 7	2029.62	13/2 ⁺			
		1339.0 5	47 9	1352.08	9/2 ⁺			
		1749.5 [@] 3	42 [@] 5	941.79	7/2 ⁽⁺⁾			
2695.6?	(9/2)	2691.0	≤ 4.7	0.0	5/2 ⁺			E_γ : observed only in ε decay.
		666.1 ^{&} 3	100 13	2029.62	13/2 ⁺			
2774.3	15/2 ⁻	1752.8	≤ 54.5	941.79	7/2 ⁽⁺⁾			
		2694.6 ^{&} 15	71 15	0.0	5/2 ⁺			
		281.3 3	100.0 21	2493.12	13/2 ⁻			
						(M1+E2)	0.026 7	$\alpha(\text{K})=0.023$ 6; $\alpha(\text{L})=0.0029$ 10; $\alpha(\text{M})=0.00054$ 18; $\alpha(\text{N})=9.\text{E}-5$ 3; $\alpha(\text{O})=3.9\times 10^{-6}$ 9 $\alpha(\text{N}+..)=9.\text{E}-5$ 3 Mult.: from $\gamma(\theta)$ in ($^6\text{Li}, \text{p}2n\gamma$) and comparison to RUL from half life in $^{64}\text{Zn} (^{35}\text{Cl}, 3\text{pn}\gamma)$.
		744.2 3	5.3 21	2029.62	13/2 ⁺	(E1)	0.000685 10	E_γ, I_γ : from ($^{35}\text{Cl}, 3\text{pn}\gamma$). $\alpha(\text{K})=0.000603$ 9; $\alpha(\text{L})=6.80\times 10^{-5}$ 10; $\alpha(\text{M})=1.242\times 10^{-5}$ 18 $\alpha(\text{O})=1.061\times 10^{-7}$ 15; $\alpha(\text{N}+..)=2.12\times 10^{-6}$ 3 $\text{B}(\text{E1})(\text{W.u.})=5.6\times 10^{-6}$ 23
2902.3?	(7/2, 9/2, 11/2) ⁺	2902.5	≤ 13	0.0	5/2 ⁺			E_γ, I_γ : from ($^{35}\text{Cl}, 3\text{pn}\gamma$). E_γ, I_γ : from ε decay.
2999.4	(7/2, 9/2) ⁺	1549.9 ^{&} 3	78 13	1352.08	9/2 ⁺			E_γ, I_γ : from ε decay.
3062.9		715.4 3	100	2284.0	17/2 ⁺			E_γ : observed only in ε decay.
		2121.0 3	100 7	941.79	7/2 ⁽⁺⁾			
		3063.2 5	62 7	0.0	5/2 ⁺			

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [‡]	α	Comments
3164.5?	(7/2,9/2) ⁺	2221.8 & 10	100 15	941.79	7/2 ⁽⁺⁾			
		3162.3 & 15	23 5	0.0	5/2 ⁺			
3186.3	(3/2) ⁻	3186.2 8	100	0.0	5/2 ⁺			E_γ, I_γ : From 1.96-min ε decay.
3362.9	(19/2 ⁺)	363.5 3	100 4	2999.4				
		787.9 3	38 18	2575.1				
		824.6 3	48 8	2538.0	21/2 ⁺			
3407.2	(3/2) ⁻	3407.1 5	100	0.0	5/2 ⁺			E_γ, I_γ : From 1.96-min ε decay.
3477.8	(17/2 ⁻)	703.3 3	100 5	2774.3	15/2 ⁻	(M1+E2) [#]	0.00209 3	$\alpha(\text{K})=0.00183$ 3; $\alpha(\text{L})=0.000213$ 4; $\alpha(\text{M})=3.90 \times 10^{-5}$ 8; $\alpha(\text{N})=6.30 \times 10^{-6}$ 11; $\alpha(\text{O})=3.28 \times 10^{-7}$ 9
		985.0 3	69 5	2493.12	13/2 ⁻	(E2) [#]	0.000915 13	$\alpha(\text{N}+..)=6.63 \times 10^{-6}$ 11 $\alpha(\text{K})=0.000802$ 12; $\alpha(\text{L})=9.28 \times 10^{-5}$ 13; $\alpha(\text{M})=1.700 \times 10^{-5}$ 24 $\alpha(\text{O})=1.427 \times 10^{-7}$ 20; $\alpha(\text{N}+..)=2.89 \times 10^{-6}$ B(E2)(W.u.)=1.76 25
3551.23	(7/2,9/2) ⁺	1292.5 3	58 7	2258.84	(9/2,11/2) ⁺			
		2609.3 3	100 11	941.79	7/2 ⁽⁺⁾			
		3551.1 7	53 8	0.0	5/2 ⁺			
3655.8?	(7/2,9/2,11/2) ⁺	1388.7 & 10	100 24	2268.2?	(7/2,9/2)			
		2713.0 & 15	78 17	941.79	7/2 ⁽⁺⁾			
		3655.1	≤ 5	0.0	5/2 ⁺			
3686.7?	(7/2,9/2) ⁺	2334.7 & 10	100 20	1352.08	9/2 ⁺			
		3686.5 & 15	36 8	0.0	5/2 ⁺			
3702.2	(19/2 ⁻)	224.2 3	27 3	3477.8	(17/2 ⁻)			
		927.6 3	100 3	2774.3	15/2 ⁻			
		1127.1 3	8 3	2575.1				
3733.6	(7/2,9/2) ⁺	2791.8 3	100 6	941.79	7/2 ⁽⁺⁾			
		3733.5 10	14.7 24	0.0	5/2 ⁺			
3744.0?	(9/2,11/2) ⁺	1588.7 & 15	84 20	2155.70?	(7/2,9/2)			
		1713.6 & 20	1.0×10^2 4	2029.62	13/2 ⁺			
3779.1	(9/2) ⁺	1749.5 @ 3	100 @ 11	2029.62	13/2 ⁺			
		2427.2 10	54 11	1352.08	9/2 ⁺			
		3778.9 10	100 17	0.0	5/2 ⁺			
3824.5?	(3/2) ⁻	3824.4 & 7	100	0.0	5/2 ⁺			
3830.3	25/2 ⁽⁺⁾	664 &		3164.5?	(7/2,9/2) ⁺			E_γ : observed only in ($\alpha, 3n\gamma$).
		1292.3 3	100 3	2538.0	21/2 ⁺	(E2)	0.000530 8	$\alpha(\text{K})=0.000445$ 7; $\alpha(\text{L})=5.07 \times 10^{-5}$ 8; $\alpha(\text{M})=9.28 \times 10^{-6}$ 13; $\alpha(\text{N})=1.502 \times 10^{-6}$ 21 $\alpha(\text{O})=7.94 \times 10^{-8}$ 12; $\alpha(\text{N}+..)=2.54 \times 10^{-5}$ 4

Adopted Levels, Gammas (continued)

$E_i(\text{level})$	J_i^π	$\gamma(^{95}\text{Ru})$ (continued)						Comments
		E_γ [†]	I_γ [†]	E_f	J_f^π	Mult. [‡]	α	
3975.8?	(7/2,9/2,11/2) ⁺	1718.1 ^{& 20} 3033.2 ^{& 15} 3975.7	100 25 79 15 ≤ 6.3	2258.84 (9/2,11/2) ⁺ 941.79 7/2 ⁽⁺⁾ 0.0 5/2 ⁺				B(E2)(W.u.)>4.1 E_γ, I_γ : from (³⁵ Cl,3pn γ).
3983.6?	(7/2,9/2) ⁺	3041.7 ^{& 5} 3983.8 ^{& 20}	96 9 100 22	941.79 7/2 ⁽⁺⁾ 0.0 5/2 ⁺				
3985.7	(21/2 ⁻)	283.4 3	100 3	3702.2 (19/2 ⁻)		(M1) [#]	0.0189	$\alpha(\text{K})=0.01656$ 24; $\alpha(\text{L})=0.00195$ 3; $\alpha(\text{M})=0.000357$ 5; $\alpha(\text{N})=5.78\times 10^{-5}$ 9; $\alpha(\text{O})=3.04\times 10^{-6}$ 5 $\alpha(\text{N}+..)=6.08\times 10^{-5}$ 9 B(M1)(W.u.)=0.070 9
		508.1 3	38 3	3477.8 (17/2 ⁻)		(E2) [#]	0.00510 8	$\alpha(\text{K})=0.00443$ 7; $\alpha(\text{L})=0.000546$ 8; $\alpha(\text{M})=0.0001002$ 15; $\alpha(\text{N})=1.602\times 10^{-5}$ 23 $\alpha(\text{O})=7.72\times 10^{-7}$ 11; $\alpha(\text{N}+..)=1.679\times 10^{-5}$ 24 B(E2)(W.u.)=18 3
		622.6 3	15 3	3362.9 (19/2 ⁺)		(E1) [#]	0.001011 15	$\alpha(\text{K})=0.000889$ 13; $\alpha(\text{L})=0.0001006$ 15; $\alpha(\text{M})=1.84\times 10^{-5}$ 3 $\alpha(\text{O})=1.560\times 10^{-7}$ 22; $\alpha(\text{N}+..)=3.13\times 10^{-6}$ B(E1)(W.u.)=1.5 $\times 10^{-5}$ 4
4177.7?	(7/2,9/2) ⁺	3237.0 ^{& 15} 4175.6 ^{& 20}	100 19 31 10	941.79 7/2 ⁽⁺⁾ 0.0 5/2 ⁺				
4192.8	(23/2 ⁻)	206.9 3	100 4	3985.7 (21/2 ⁻)		(M1) [#]	0.0428	$\alpha(\text{K})=0.0374$ 6; $\alpha(\text{L})=0.00444$ 7; $\alpha(\text{M})=0.000815$ 12; $\alpha(\text{N})=0.0001318$ 20; $\alpha(\text{O})=6.90\times 10^{-6}$ 10 $\alpha(\text{N}+..)=0.0001387$ 21 B(M1)(W.u.)=0.31 3
		490 1	18 4	3702.2 (19/2 ⁻)		(E2) [#]	0.00567 9	$\alpha(\text{K})=0.00493$ 8; $\alpha(\text{L})=0.000609$ 10; $\alpha(\text{M})=0.0001120$ 18; $\alpha(\text{N})=1.79\times 10^{-5}$ 3 $\alpha(\text{O})=8.57\times 10^{-7}$ 13; $\alpha(\text{N}+..)=1.87\times 10^{-5}$ 3 B(E2)(W.u.)=18 4
		1655.1 3	18 4	2538.0 21/2 ⁺		(E1) [#]	0.000516 8	$\alpha(\text{K})=0.0001375$ 20; $\alpha(\text{L})=1.526\times 10^{-5}$ 22; $\alpha(\text{M})=2.79\times 10^{-6}$ 4 $\alpha(\text{O})=2.43\times 10^{-8}$ 4; $\alpha(\text{N}+..)=0.000360$ B(E1)(W.u.)=1.6 $\times 10^{-6}$ 4
4502.9	(29/2 ⁺)	672.6 3	100	3830.3 25/2 ⁽⁺⁾		(E2) [#]	0.00234 4	$\alpha(\text{K})=0.00204$ 3; $\alpha(\text{L})=0.000243$ 4; $\alpha(\text{M})=4.47\times 10^{-5}$ 7; $\alpha(\text{N})=7.17\times 10^{-6}$ 10; $\alpha(\text{O})=3.60\times 10^{-7}$ 5 $\alpha(\text{N}+..)=7.53\times 10^{-6}$ 11 B(E2)(W.u.)=14.5 10
4505.8	(25/2 ⁻)	312.9 3	100	4192.8 (23/2 ⁻)		(M1) [#]	0.01472	$\alpha(\text{K})=0.01289$ 19; $\alpha(\text{L})=0.001509$ 22; $\alpha(\text{M})=0.000277$ 4; $\alpha(\text{N})=4.48\times 10^{-5}$ 7; $\alpha(\text{O})=2.37\times 10^{-6}$ 4

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$ (continued)								
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [‡]	α	Comments
								$\alpha(\text{K})=0.01289$ 19; $\alpha(\text{L})=0.001509$ 22; $\alpha(\text{M})=0.000277$ 4; $\alpha(\text{N})=4.48\times 10^{-5}$ 7; $\alpha(\text{O})=2.37\times 10^{-6}$ 4 $\alpha(\text{N}+..)=4.72\times 10^{-5}$ 7 $\text{B}(\text{M1})(\text{W.u.})=0.222$ 15
4744.5	(27/2 ⁻)	238.6 3	100 8	4505.8	(25/2 ⁻)	(M1) [#]	0.0295	$\alpha(\text{K})=0.0258$ 4; $\alpha(\text{L})=0.00304$ 5; $\alpha(\text{M})=0.000559$ 8; $\alpha(\text{N})=9.04\times 10^{-5}$ 13; $\alpha(\text{O})=4.75\times 10^{-6}$ 7 $\alpha(\text{N}+..)=9.52\times 10^{-5}$ 14 $\text{B}(\text{M1})(\text{W.u.})=0.48$ 8
		551.9 3	12 8	4192.8	(23/2 ⁻)	(E2) [#]	0.00402 6	$\alpha(\text{K})=0.00350$ 5; $\alpha(\text{L})=0.000426$ 6; $\alpha(\text{M})=7.83\times 10^{-5}$ 11; $\alpha(\text{N})=1.253\times 10^{-5}$ 18; $\alpha(\text{O})=6.12\times 10^{-7}$ 9 $\alpha(\text{N}+..)=1.314\times 10^{-5}$ 19 $\text{B}(\text{E2})(\text{W.u.})=15$ 11
5616.6	(29/2 ⁻)	913 1 871.9 3		3830.3	25/2 ⁽⁺⁾			
			100 9	4744.5	(27/2 ⁻)	(M1) [#]	0.001290 18	$\alpha(\text{K})=0.001133$ 16; $\alpha(\text{L})=0.0001289$ 18; $\alpha(\text{M})=2.36\times 10^{-5}$ 4 $\alpha(\text{O})=2.06\times 10^{-7}$ 3; $\alpha(\text{N}+..)=4.03\times 10^{-6}$ $\text{B}(\text{M1})(\text{W.u.})=0.014$ 3
		1110.9 3	47 9	4505.8	(25/2 ⁻)	(E2) [#]	0.000700 10	$\alpha(\text{K})=0.000614$ 9; $\alpha(\text{L})=7.05\times 10^{-5}$ 10; $\alpha(\text{M})=1.291\times 10^{-5}$ 18 $\alpha(\text{O})=1.094\times 10^{-7}$ 16; $\alpha(\text{N}+..)=3.02\times 10^{-6}$ 5 $\text{B}(\text{E2})(\text{W.u.})=2.6$ 7
5774.5	31/2 ⁻	157.7 3	10 3	5616.6	(29/2 ⁻)	(M1+E2) [#]	0.17 9	$\alpha(\text{K})=0.14$ 7; $\alpha(\text{L})=0.022$ 13; $\alpha(\text{M})=0.0041$ 24; $\alpha(\text{N})=0.0006$ 4; $\alpha(\text{O})=2.4\times 10^{-5}$ 10 $\alpha(\text{N}+..)=0.0007$ 4
		1030.1 3	100 3	4744.5	(27/2 ⁻)	(E2) [#]	0.000827 12	$\alpha(\text{K})=0.000725$ 11; $\alpha(\text{L})=8.37\times 10^{-5}$ 12; $\alpha(\text{M})=1.532\times 10^{-5}$ 22 $\alpha(\text{O})=1.291\times 10^{-7}$ 18; $\alpha(\text{N}+..)=2.60\times 10^{-6}$ $\text{B}(\text{E2})(\text{W.u.})=6.5$ 8
6643.8	(31/2 ⁺ ,33/2 ⁺)	2140.9 3	100	4502.9	(29/2 ⁺)			
6777.6	(31/2 ⁺ ,33/2 ⁺)	2274.7 3	100	4502.9	(29/2 ⁺)			
6824.8	(33/2 ⁺ ,35/2 ⁺)	181.0 3	100	6643.8	(31/2 ⁺ ,33/2 ⁺)	(M1) [#]	0.0610	$\alpha(\text{K})=0.0533$ 8; $\alpha(\text{L})=0.00635$ 10; $\alpha(\text{M})=0.001167$ 18; $\alpha(\text{N})=0.000189$ 3; $\alpha(\text{O})=9.85\times 10^{-6}$ 15 $\alpha(\text{N}+..)=0.000198$ 3 $\text{B}(\text{M1})(\text{W.u.})>0.71$
7063.9	(33/2 ⁻ ,35/2 ⁻)	1289.4 3	100	5774.5	31/2 ⁻	(E2,M1) [#]	0.000553 22	$\alpha(\text{K})=0.000467$ 21; $\alpha(\text{L})=5.29\times 10^{-5}$ 22; $\alpha(\text{M})=9.7\times 10^{-6}$ 4; $\alpha(\text{N})=1.57\times 10^{-6}$ 7 $\alpha(\text{O})=8.4\times 10^{-8}$ 5; $\alpha(\text{N}+..)=2.29\times 10^{-5}$ 20
7527.4	(33/2 ⁻ ,35/2 ⁻)	1752.9 3	100	5774.5	31/2 ⁻	(E2) [#]	0.000465 7	$\alpha(\text{K})=0.000244$ 4; $\alpha(\text{L})=2.74\times 10^{-5}$ 4; $\alpha(\text{M})=5.01\times 10^{-6}$ 7; $\alpha(\text{N})=8.12\times 10^{-7}$ 12 $\alpha(\text{O})=4.35\times 10^{-8}$ 6; $\alpha(\text{N}+..)=0.000189$ 3 $\text{B}(\text{E2})(\text{W.u.})>0.17$

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$ (continued)								
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π	Mult. [‡]	α	Comments
7529.7	(35/2 ⁺ ,37/2 ⁺)	704.9 3 885.9 3	72 10 100 10	6824.8 (33/2 ⁺ ,35/2 ⁺) 6643.8 (31/2 ⁺ ,33/2 ⁺)				
7681.7	(35/2 ⁻)	1907.2 3	100	5774.5 31/2 ⁻		(E2) [#]	0.000496 7	$\alpha(\text{K})=0.000208$ 3; $\alpha(\text{L})=2.33\times 10^{-5}$ 4; $\alpha(\text{M})=4.27\times 10^{-6}$ 6; $\alpha(\text{N})=6.92\times 10^{-7}$ 10 $\alpha(\text{O})=3.71\times 10^{-8}$ 6; $\alpha(\text{N}+..)=0.000261$ 4 B(E2)(W.u.)>0.31
7762.3		234.9 3	100	7527.4 (33/2 ⁻ ,35/2 ⁻)				
8103.8	(37/2 ⁺ ,39/2 ⁺)	573.9 3 1280 1	100 5 8 5	7529.7 (35/2 ⁺ ,37/2 ⁺) 6824.8 (33/2 ⁺ ,35/2 ⁺)				
8137.2		1073.3 3	100	7063.9 (33/2 ⁻ ,35/2 ⁻)				
8308.5	(35/2 ⁻)	2534.0 3	100	5774.5 31/2 ⁻				
8702.6	(39/2 ⁺ ,41/2 ⁺)	598.8 3	100	8103.8 (37/2 ⁺ ,39/2 ⁺)		(M1,E2) [#]	0.00312 9	$\alpha(\text{K})=0.00273$ 8; $\alpha(\text{L})=0.000321$ 16; $\alpha(\text{M})=5.9\times 10^{-5}$ 3; $\alpha(\text{N})=9.5\times 10^{-6}$ 5; $\alpha(\text{O})=4.88\times 10^{-7}$ 7 $\alpha(\text{N}+..)=1.00\times 10^{-5}$ 5
8735.3		1053.6 3	100	7681.7 (35/2 ⁻)				
8849.3	(39/2 ⁺ ,41/2 ⁺)	745 1	100 11	8103.8 (37/2 ⁺ ,39/2 ⁺)		(M1,E2) [#]	0.00181 4	$\alpha(\text{K})=0.00159$ 4; $\alpha(\text{L})=0.000185$ 3; $\alpha(\text{M})=3.39\times 10^{-5}$ 5; $\alpha(\text{N})=5.47\times 10^{-6}$ 8; $\alpha(\text{O})=2.85\times 10^{-7}$ 9 $\alpha(\text{N}+..)=5.75\times 10^{-6}$ 9
		1320 1	82 11	7529.7 (35/2 ⁺ ,37/2 ⁺)		(E2) [#]	0.000515 8	$\alpha(\text{K})=0.000426$ 6; $\alpha(\text{L})=4.85\times 10^{-5}$ 7; $\alpha(\text{M})=8.87\times 10^{-6}$ 13; $\alpha(\text{N})=1.436\times 10^{-6}$ 21 $\alpha(\text{O})=7.60\times 10^{-8}$ 11; $\alpha(\text{N}+..)=3.14\times 10^{-5}$ 5 B(E2)(W.u.)>0.45
9341.5	(41/2 ⁺ ,43/2 ⁺)	492.2 3	100 6	8849.3 (39/2 ⁺ ,41/2 ⁺)		(M1,E2) [#]	0.0052 4	$\alpha(\text{K})=0.0046$ 4; $\alpha(\text{L})=0.00055$ 6; $\alpha(\text{M})=0.000100$ 11; $\alpha(\text{N})=1.61\times 10^{-5}$ 16; $\alpha(\text{O})=8.1\times 10^{-7}$ 4 $\alpha(\text{N}+..)=1.69\times 10^{-5}$ 16
		1238 1	41 6	8103.8 (37/2 ⁺ ,39/2 ⁺)		(E2) [#]	0.000568 8	$\alpha(\text{K})=0.000487$ 7; $\alpha(\text{L})=5.56\times 10^{-5}$ 8; $\alpha(\text{M})=1.017\times 10^{-5}$ 15; $\alpha(\text{O})=8.68\times 10^{-8}$ 13 $\alpha(\text{N}+..)=1.51\times 10^{-5}$ 3 B(E2)(W.u.)>0.32
12160.9	(43/2 ⁺ ,45/2 ⁺)	2819 3312	64 8 36 8	9341.5 (41/2 ⁺ ,43/2 ⁺) 8849.3 (39/2 ⁺ ,41/2 ⁺)		(E2) [#]	0.000993 14	$\alpha(\text{K})=7.96\times 10^{-5}$ 12; $\alpha(\text{L})=8.82\times 10^{-6}$ 13; $\alpha(\text{M})=1.611\times 10^{-6}$ 23 $\alpha(\text{O})=1.419\times 10^{-8}$ 20; $\alpha(\text{N}+..)=0.000903$ B(E2)(W.u.)>0.0028
		3458	100 8	8702.6 (39/2 ⁺ ,41/2 ⁺)		(E2) [#]	0.001046 15	$\alpha(\text{K})=7.41\times 10^{-5}$ 11; $\alpha(\text{L})=8.22\times 10^{-6}$ 12; $\alpha(\text{M})=1.500\times 10^{-6}$ 21 $\alpha(\text{O})=1.322\times 10^{-8}$ 19; $\alpha(\text{N}+..)=0.000962$ B(E2)(W.u.)>0.0063

Adopted Levels, Gammas (continued)

$\gamma(^{95}\text{Ru})$ (continued)

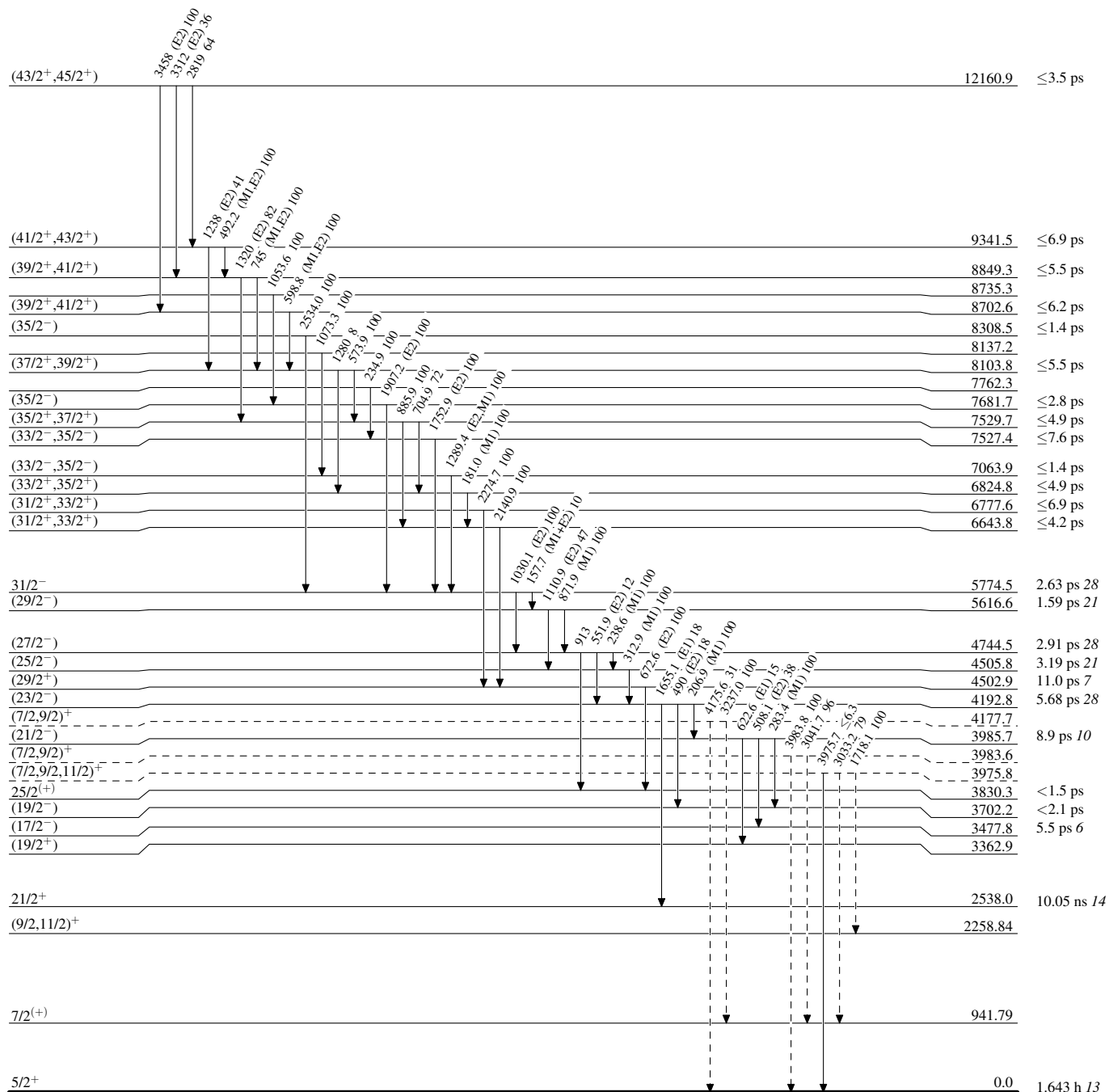
† From 5.02-min ε decay, except as noted.
‡ From $\gamma(\theta)$ in ($^6\text{Li,p2n}\gamma$), except as noted.
From a comparison of measured transition strength with the calculated ones (W.u.).
@ Multiply placed with undivided intensity.
& Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

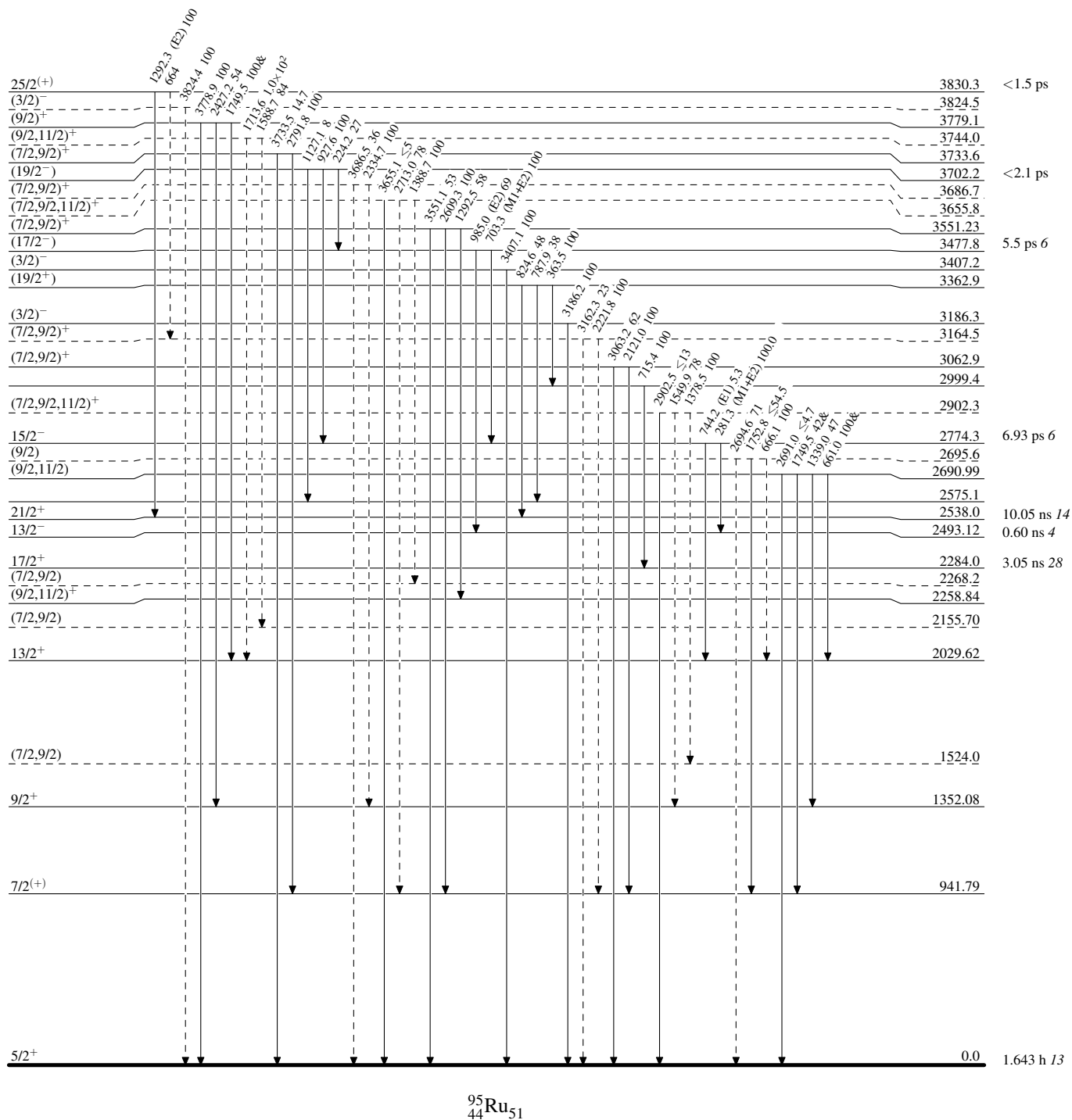
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

Adopted Levels, Gammas

Legend

Level Scheme (continued)

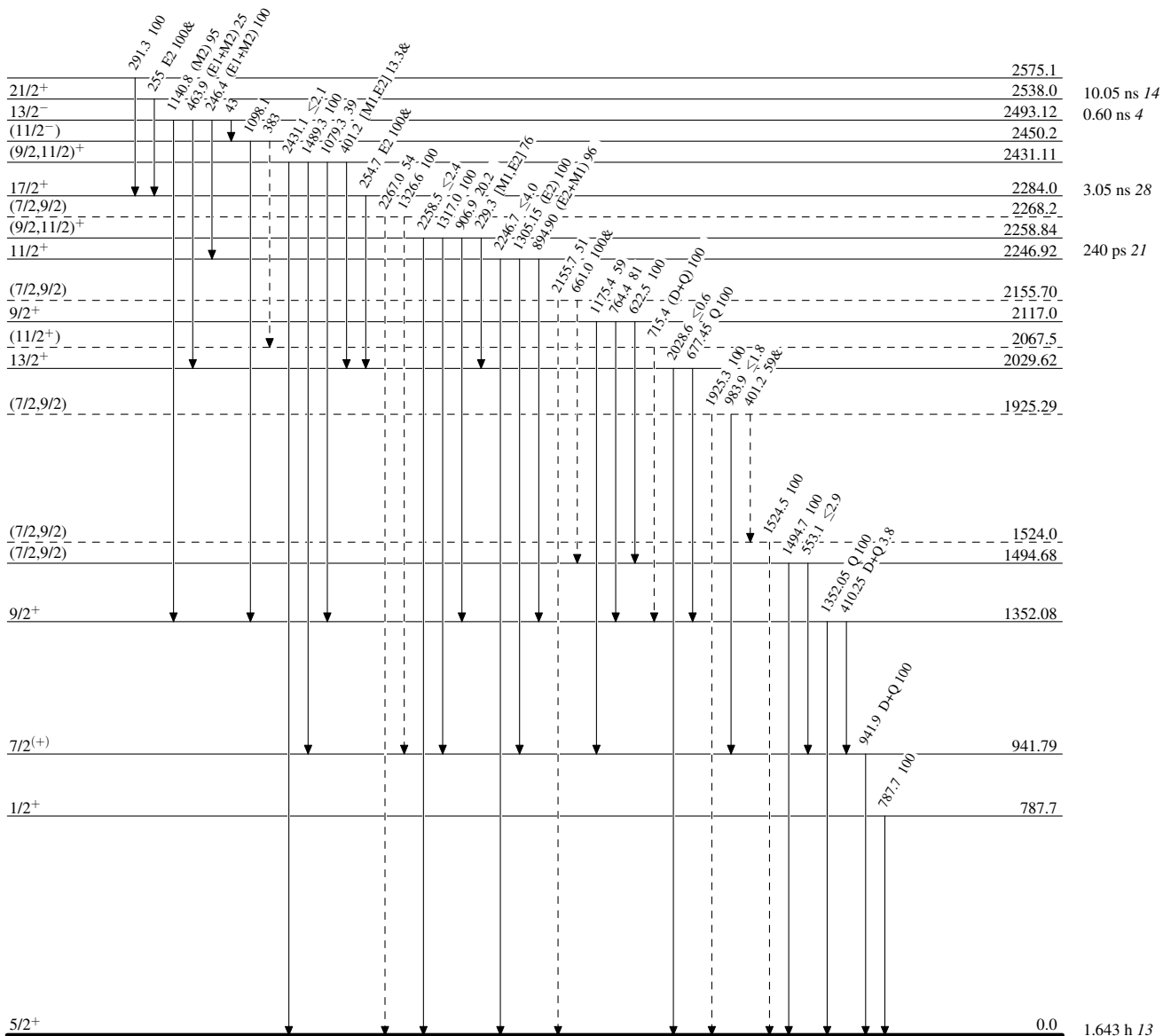
Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given-----► γ Decay (Uncertain)

Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

-----► γ Decay (Uncertain)

Adopted Levels, Gammas