Adopted Levels, Gammas

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

Q(β^-)=−2564 *11*; S(n)=9934 *7*; S(p)=4896 *5*; Q(α)=−1806 *7* 2012Wa38
Note: Current evaluation has used the following Q record −2565 12 *9934* 7 *4896* 5 −1808 6 2009AuZZ.
S(2n)=18557 *6*, S(2p)=13386 *5* (2009AuZZ).
α: Additional information 1.

^{95}Tc Levels

Cross Reference (XREF) Flags

A	^{95}Tc IT decay (61 d)	E	^{94}Mo(d,n)
B	^{95}Ru ε decay	F	^{94}Mo(^{3}He,d)
C	^{93}Nb(α,2nγ)	G	^{95}Mo(p,n),(p,nγ)
D	^{94}Mo(p,γ) E=res: av	H	^{65}Cu(^{36}S,α2nγ)

E(level)[†]	J$^\pi$[b]	T$_{1/2}$[‡]	XREF	Comments
0.0[#]	9/2$^+$	20.0 h *1*	ABCDEFGH	%ε+%β^+=100 μ=5.94 *6* (1995Hi06,1981Ha16) J$^\pi$: from L(^{3}He,d)=4, atomic beam (1975Ru06). T$_{1/2}$: from 1962Vi04 (γ's; NaI). See 1983Lu03 for other references. μ: N/RD. 1995Hi06 measured the NMR's for $^{94-96}$Tc in Fe and ^{95,96}Tc in Ni to resolve discrepancies in β_{HF} and to deduce a more accurate g-factor (1.321 *13* compared to original 1.308 *21* from 1981Ha16). Others: 5.89 *10* (1989Ra17,1981Ha16. N/rd), 5.82 *12* (1977Wi10. Static (low-temperature) nuclear orientation).
38.91[&] *4*	1/2$^-$	61 d *2*	ABCDEFGH	%IT=3.88 *32*; %ε+%β^+=96.12 *32* J$^\pi$: from L(^{3}He,d)=1; M4 γ to 9/2$^+$. T$_{1/2}$: from 1959Un01 (γ(t),NaI). Others: see 1978LeZA. %ε+%β^+,%IT: see comment on Iγ normalization in ^{95}Tc ε decay (61 d).
336.413 *21*	7/2$^+$		BCD G	
626.86 *3*	5/2$^+$		BCD G	J$^\pi$: log *ft*=5.7 from 5/2$^+$; stretched or ΔJ=0 Q γ to 9/2$^+$.
646.55 *5*	3/2$^-$	0.44 ps *+90−19*	BCDEFG	XREF: F(629). J$^\pi$: from L(^{3}He,d)=1; analysis of n decay of 2$^+$ res in (p,n).
667.82[&] *3*	5/2$^-$		BCD GH	J$^\pi$: from stretched E2 or quadrupole cascade to 1/2$^-$.
882.23[#] *7*	13/2$^+$	1.2 ps *+11−5*	C GH	J$^\pi$: from stretched E2 or quadrupole cascade to 9/2$^+$. T$_{1/2}$: from DSAM in (α,2nγ).
927.81 *3*	3/2$^+$	≥589 fs	BCD G	J$^\pi$: strong D γ to 1/2$^-$ and strong Q(+O) γ to 7/2$^+$.
956.99[@] *9*	11/2$^+$	1.3 ps *+5−3*	BC GH	J$^\pi$: from M1+E2 γ to 9/2$^+$ state. T$_{1/2}$: from DSAM in (α,2nγ).
980? *20*	3/2$^+$,5/2$^+$		E	J$^\pi$: from angular momentum transfer in (d,n).
1033.87? *6*	(1/2$^+$)	53 fs *+13−9*	G	J$^\pi$: 1/2$^+$,7/2$^+$ from comparison of statistical theory to 2$^+$ res yield in (p,nγ). Possible isotropic D γ to 1/2$^-$.
1084.97 *4*	(5/2)$^+$	≥347 fs	BC FG	XREF: F(1071). J$^\pi$: from L(^{3}He,d)=2 and γ to 9/2$^+$.
1178.60 *3*	7/2$^+$	0.37 ps *+19−9*	BC G	J$^\pi$: log *ft*=5.4 from 5/2$^+$ and $\gamma(\theta)$ in (p,nγ).
1201 *10*	1/2$^-$,3/2$^-$		F	J$^\pi$: from L(^{3}He,d)=1.
1213.13 *6*	9/2		BC G	J$^\pi$: from $\gamma(\theta)$ in (p,nγ). log *ft*=7.1 *+5−4* (log $f^{1u}t$=7.9 *+5−2*)? from 5/2$^+$ discrepant.
1214.55[&] *4*	9/2$^-$	≥624 fs	C GH	J$^\pi$: from stretched E2 to 5/2$^-$.
1275.92 *5*	(3/2)$^+$	69 fs *+9−8*	B D FG	XREF: F(1264).

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Adopted Levels, Gammas (continued)

^{95}Tc Levels (continued)

E(level)[†]	Jπ[b]	$T_{1/2}$[‡]	XREF	Comments
				Jπ: from L(^{3}He,d)=2. *3/2*$^+$ from av yields in (p,γ). 1/2$^-$,3/2$^-$ from comparison of statistical theory to 2$^+$ and 4$^+$ res yields in (p,nγ) is discrepant.
1281.49 *4*	7/2$^{(-)}$	134 fs *+70–38*	C E G	XREF: E(1300). Jπ: 7/2 from γ(θ) in (p,nγ). 1/2$^-$,7/2$^-$ from comparison to 2$^+$ res yield in (p,nγ).
1307.20 *6*	11/2$^+$	173 fs *+28–21*	C G	Jπ: 11/2 from γ(θ) in (α,2nγ); E2 γ to 7/2$^+$. $T_{1/2}$: from DSAM in (α,2nγ).
1407.54 *24*	(5/2$^-$,7/2$^-$)		B	
1416.41 *5*	3/2,5/2$^{(-)}$	≥492 fs	FG	Jπ: 3/2,5/2 from γ(θ) in (p,nγ). ≠5/2$^+$ from strong γ to 1/2$^-$.
1433.25 *3*	5/2$^+$	57 fs *+7–6*	B DE G	XREF: E(1450). Jπ: log *ft*=4.7 from 5/2$^+$; D,E2 γ to 9/2$^+$; d γ from 3/2$^+$.
1515.25[#] *12*	17/2$^+$	<5 ns	C H	$T_{1/2}$: from αγ(t) in (α,2nγ).
1549.46[@] *9*	15/2$^+$		C H	Jπ: from stretched E2 γ to 11/2$^+$.
1618.53 *5*	(3/2$^+$,5/2$^-$)	0.22 ps *+18–7*	D G	Jπ: ≤5/2 from γ(θ) in (p,nγ); ≠1/2$^+$ from D,E2 γ to 5/2$^-$ (1974Sa19); 3/2$^+$,5/2$^-$ from av yields of γ′s leading from res′s in (p,γ).
1632.03 *13*	11/2	30 fs *+9–7*	B G	Jπ: 5/2,7/2,9/2,11/2 from γ(θ) in (p,nγ); 11/2,13/2,15/2 from D γ to 13/2$^+$.
1639.43 *6*	(3/2$^-$)	83 fs *+25–18*	B EFG	XREF: E(1660)F(1620). Jπ: 3/2,5/2 from γ(θ) in (p,nγ). L(d,n)=1+0 for doublet.
1691.31 *4*	5/2$^+$,7/2$^+$	136 fs *+30–21*	BC G	Jπ: log *ft*=5.6 from 5/2$^+$; D,E2 γ to 9/2$^+$.
1694.53 *5*	3/2$^+$,5/2$^{(-)}$,7/2$^-$	129 fs *+36–18*	G	Jπ: 3/2$^+$,5/2,7/2$^-$ from d,E2 γ′s to 3/2$^-$ and 7/2$^+$. ≠5/2$^+$ from comparison of statistical theory to 4$^+$ res yield in (p,nγ).
1702.11[&] *10*	13/2$^-$		C H	Jπ: from stretched E2 γ to 9/2$^-$.
1733 *10*	1/2$^-$,3/2$^-$		F	Jπ: from L(^{3}He,d)=1.
1747.02 *5*	(5/2)$^+$	44 fs *+8–7*	B DE G	Jπ: log *ft*=5.1 from 5/2$^+$; D,E2 γ to 9/2$^+$. Possible D,E2 γ to 3/2$^-$.
1785.31 *8*	(7/2)$^+$	40 fs *5*	B G	Jπ: log *ft*=5.5 from 5/2$^+$; d,E2 γ to 9/2$^+$. 7/2 favored from γ(θ) in (p,nγ).
1837.65? *17*	(7/2$^+$,9/2$^+$)		B G	Jπ: from comparison of statistical theory to 4$^+$ resonance yield in (p,nγ).
1873.9? *10*	(7/2$^+$,9/2$^+$)		G	Jπ: from comparison of statistical theory to 4$^+$ resonance yield in (p,nγ).
1888.17 *9*	(5/2$^-$)		B G	Jπ: 3/2,5/2,7/2 from γ′s to 5/2$^+$ and 5/2$^-$. 5/2$^-$ from comparison of statistical theory to 4$^+$ res yield in (p,nγ). π=+ from log *ft*=5.79 *4* from 5/2$^+$ is discrepant.
1920.04 *6*	(1/2$^-$,3/2,5/2)	80 fs *+23–16*	G	Jπ: 1/2$^-$,3/2,5/2,7/2$^-$ from D,E2 γ′s to 3/2$^-$ and 5/2$^-$. ≠7/2$^-$ from possible D,E2 γ to 3/2$^+$.
1921.01 *10*	9/2	73 fs *+23–16*	G	Jπ: from γ(θ) in (p,nγ).
1930 *20*	1/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
1958.98 *10*	(5/2$^-$)	≥596 fs	D FG	XREF: F(1967). Jπ: 5/2,7/2,9/2 from γ(θ) in (p,nγ). 5/2$^-$,11/2$^-$ from comparison of statistical theory to 4$^+$ res yield in (p,nγ).
1978.56 *5*	3/2$^+$,5/2$^+$,7/2$^+$	40 fs *+9–7*	B D G	Jπ: log *ft*=4.9 from 5/2$^+$. Possible D,Q γ to 9/2$^+$ discrepant with 3/2$^+$,5/2$^-$ from av yields of γ′s leading from res′s in (p,γ).
2032.34 *12*	5/2$^+$,7/2,9/2$^{(-)}$	118 fs *+67–35*	G	Jπ: 5/2,7/2,9/2 from γ(θ) in (p,nγ); D,E2 γ to 9/2$^+$. Possible D,E2 γ to 5/2$^-$.
2086.09 *4*	3/2$^+$	34 fs *+16–11*	B FG	XREF: F(2077). Jπ: from L(^{3}He,d)=2, γ to 1/2$^-$ rules out 5/2$^+$.
2118.1? *10*	(7/2$^+$,9/2$^+$)		G	Jπ: from comparison of statistical theory to 4$^+$ resonance yield in (p,nγ).

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Adopted Levels, Gammas (continued)

^{95}Tc Levels (continued)

E(level)[†]	J$^\pi$[b]	T$_{1/2}$[‡]	XREF	Comments
2119.64 *15*	15/2$^{(+)}$	0.20 ps *+7−5*	C	J$^\pi$: 15/2 from $\gamma(\theta)$ in (α,2nγ). π=+ from excit in (α,2nγ). T$_{1/2}$: from DSAM in (α,2nγ).
2164.1? *6*			G	
2168.27 *4*	7/2$^+$	50 fs *+11−9*	B G	J$^\pi$: log *ft*=4.8 from 5/2$^+$; 7/2 from $\gamma(\theta)$ in (p,nγ).
2183.86[@] *12*	19/2$^+$	0.8 ps *+9−5*	C H	J$^\pi$: from stretched E2 γ to 15/2$^+$. T$_{1/2}$: from DSAM in (α,2nγ).
2189.10 *4*	5/2$^+$,7/2$^+$	37 fs *+12−9*	B G	J$^\pi$: log *ft*=4.9 from 5/2$^+$; D,Q γ to 9/2$^+$.
2203.59 *18*	(3/2$^+$,5/2$^+$)		B	J$^\pi$: log *ft*=6.06 from 5/2$^+$.
2210.6? *3*			G	
2212.90[&] *13*	(17/2$^-$)	≥1.4 ps	C H	J$^\pi$: from stretched E2 γ to 13/2$^-$ and (E1) γ to 15/2$^+$. T$_{1/2}$: from DSAM in (α,2nγ).
2219.63 *20*	(7/2$^+$)		G	J$^\pi$: 5/2,7/2 from γ's to 9/2$^+$ and 3/2$^+$. 7/2$^+$,9/2$^+$ from comparison of statistical theory to 4$^+$ res yield in (p,nγ).
2231.5 *3*	(17/2$^+$)	0.10 ps *3*	C	J$^\pi$: 13/2$^+$,15/2,17/2$^+$ from D,E2 γ's to 13/2$^+$ and 17/2$^+$. 15/2,17/2 from yield in (α,2nγ); ≠15/2 from $\gamma(\theta)$ in (α,2nγ). T$_{1/2}$: from DSAM in (α,2nγ).
2236.97 *20*	(≥5/2)		D G	J$^\pi$: from average yields of γ's leading from res's in (p,γ).
2240.6? *3*			G	
2251.96 *14*	(7/2)$^+$		B FG	XREF: F(2257). J$^\pi$: log *ft*=5.2 from 5/2$^+$; γ to 9/2$^+$. 7/2$^+$,9/2$^+$ from comparison of of statistical theory 4$^+$ res yield in (p,nγ).
2267.59 *8*	(7/2)$^+$	0.22 ps *+52−11*	B E G	XREF: E(2290). J$^\pi$: log *ft*=4.8 from 5/2$^+$; γ to 9/2$^+$. ≠5/2$^+$ from comparison to 4$^+$ res yield in (p,nγ).
2318.3? *4*	(5/2$^+$ to 11/2$^+$)		E G	XREF: E(2290). J$^\pi$: γ's to 7/2$^+$ and 9/2$^+$ levels.
2324.48 *9*	5/2$^+$,7/2$^+$		B D FG	XREF: F(2308). J$^\pi$: log *ft*=4.3 from 5/2$^+$; γ to 9/2$^+$.
2328.72 *13*	(3/2)$^+$		B	J$^\pi$: log *ft*=5.2 from 5/2$^+$; γ to 1/2$^-$.
2382.3 *3*	(5/2$^+$,7/2$^+$)		B	J$^\pi$: log *ft*=5.72 *25* from 5/2$^+$; γ to 9/2$^+$.
2409.54 *17*	(5/2$^+$,7/2)		B	J$^\pi$: log *ft*=5.4 *+9−3* from 5/2$^+$; γ to 9/2$^+$.
2454 *15*			F	
2474.7 *4*			C	
2546.96[#] *13*	21/2$^+$	2.1 ps *+14−7*	C H	J$^\pi$: from stretched E2 γ to 17/2$^+$. T$_{1/2}$: from DSAM in (α,2nγ).
2550 *12*	1/2$^-$,3/2$^-$		F	
2556.0? *10*	(≥5/2)		DE	J$^\pi$: from average yields of γ's leading from res's in (p,γ).
2696 *15*	3/2$^+$,5/2$^+$		F	
2706.5 *5*	(15/2)		C	J$^\pi$: from $\gamma(\theta)$ in (α,2nγ).
2780 *20*	1/2$^+$		EF	XREF: F(2763).
2830 *20*	3/2$^+$,5/2$^+$		EF	XREF: F(2816).
2844.0[@] *4*	(23/2$^+$)		H	
2846.8 *3*			C	
2906.46 *14*	(23/2$^+$)	0.28 ps *7*	C	J$^\pi$: from stretched E2 to 19/2$^+$. T$_{1/2}$: from DSAM in (α,2nγ).
2938 *15*	(1/2$^+$)		F	J$^\pi$: from L(^{3}He,d)=(0).
3001 *20*	(3/2$^+$,5/2$^+$)		F	J$^\pi$: from L(^{3}He,d)=2.
3024.07[&] *20*	(21/2$^-$)		C H	J$^\pi$: from stretched E2 γ to (17/2$^-$).
3039.27 *14*	19/2	187 fs *+21−49*	C	J$^\pi$: 15/2,17/2,19/2 from $\gamma(\theta)$ in (α,2nγ). 19/2,21/2,23/2 from dipole γ to 21/2$^+$. T$_{1/2}$: from DSAM in (α,2nγ).
3065.31 *19*	(17/2,19/2$^+$)	0.28 ps *+6−7*	C	J$^\pi$: 17/2,19/2,21/2$^+$ from $\gamma(\theta)$ in (α,2nγ). ≠19/2$^-$,21/2$^+$

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Adopted Levels, Gammas (continued)

^{95}Tc Levels (continued)

E(level)[†]	Jπ[b]	$T_{1/2}$[‡]	XREF	Comments
				from possible D,E2 γ to 15/2$^+$.
				$T_{1/2}$: from DSAM in (α,2nγ).
3119 *20*	1/2$^+$		F	Jπ: from L(^{3}He,d)=(0).
3210	1/2$^+$		EF	XREF: F(3197).
3210.3 *4*	(21/2)$^+$	0.38 ps *+6−7*	C	Jπ: from γ(θ) in (α,2nγ). Stretched or ΔJ=0 E2 γ to 17/2$^+$.
				$T_{1/2}$: from DSAM in (α,2nγ).
3339 *20*	1/2$^+$		F	Jπ: from L(^{3}He,d)=(0).
3401 *20*	3/2$^+$,5/2$^+$		F	Jπ: from L(^{3}He,d)=2.
3490 *20*	3/2$^+$,5/2$^+$		EF	XREF: F(3481).
				Jπ: from L(^{3}He,d)=2.
3516.0[#] *3*	25/2$^+$	>5 ps	C H	Jπ: from stretched E2 γ to 21/2$^+$.
				$T_{1/2}$: from DSAM in (α,2nγ).
3520 *20*	1/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
3578.5 *7*	(23/2)		C	Jπ: from γ(θ) in (α,2nγ).
3650 *20*	3/2$^+$,5/2$^+$		EF	XREF: F(3616).
				Jπ: from angular momentum transfer in (d,n) and (^{3}He,d).
3700 *20*			F	
3805 *14*	1/2$^+$		EF	Jπ: from angular momentum transfer in (d,n) and (^{3}He,d).
3821.86[&] *22*	(25/2$^-$)		C H	Jπ: from stretched E2 γ to 21/2$^-$.
3918.3[#] *4*	29/2$^+$		C H	Jπ: from stretched E2 γ to 25/2$^+$.
3920	1/2$^+$		EF	XREF: F(3905).
				Jπ: from angular momentum transfer in (d,n).
3986 *20*	(3/2$^+$,5/2$^+$)		F	Jπ: from L(^{3}He,d)=(2).
4040 *2*	1/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
4081.6 *10*	23/2$^-$,25/2$^-$,27/2$^-$		C	Jπ: E1+M2 γ to 25/2$^+$.
4110 *25*	(1/2$^+$)		F	Jπ: from L(^{3}He,d)=(0).
4110.4 *5*			H	
4127.4 *3*	(29/2)$^-$		C H	Jπ: from stretched E2 γ to (25/2$^-$), consistent with γ(θ) from (α,2nγ).
4180 *25*	3/2$^+$,5/2$^+$		F	Jπ: from L(^{3}He,d)=2.
4254 *25*	3/2$^+$,5/2$^+$		F	Jπ: from L(^{3}He,d)=2.
4293.0 *4*	27/2$^+$		C	Jπ: from M1 γ to 29/2$^+$.
4400	3/2$^+$,5/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
4500	3/2$^+$,5/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
4740 *20*	1/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
4783.7 *7*			C H	
4971.35[&] *24*	(29/2$^-$)		C H	Jπ: from stretched E2 γ to (25/2$^-$).
5220 *20*	1/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
5350 *20*	1/2$^+$		E	Jπ: from angular momentum transfer in (d,n).
5366.8 *8*			H	
5599.3[#] *11*	(31/2$^+$)		H	
5643.8 *8*	(29/2$^+$)		H	
5729.3 *11*	(31/2$^+$)		H	Jπ: from M1 γ to 29/2$^+$.
5831.6[&] *5*	(33/2$^-$)		H	Jπ: from stretched E2 γ to (29/2$^-$).
5905.4 *11*	(33/2$^+$)		H	
6124.6 *6*			H	
6356.7 *6*			H	
6501.0 *9*			H	
6619.5 *12*	(35/2$^+$)		H	
6668.5[#] *11*	(33/2$^+$)		H	Jπ: from M1 γ to (31/2$^+$).
7317.7 *6*	(35/2$^-$)		H	
7920.6[a] *11*	(35/2$^-$)		H	Jπ: from M1 γ to (33/2$^-$).
8298.6 *11*	(35/2$^-$)		H	

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Adopted Levels, Gammas (continued)

^{95}Tc Levels (continued)

E(level)[†]	J$^{\pi}$[b]	XREF	Comments
8539.7[a] *12*	(37/2$^-$)	H	
8971.5 *15*	(33/2$^+$)	H	J$^{\pi}$: from M1 γ to (31/2$^+$).
9148.7 *16*	(35/2$^+$)	H	
9259.8[a] *12*	(41/2$^-$)	H	
10148.8 *16*	(37/2$^+$)	H	
10659.9[a] *13*	(45/2$^-$)	H	
12078.9[a] *14*	(47/2$^-$)	H	
14460.9 *17*		H	

[†] From least-squares fit to γ energies, except otherwise noted.
[‡] From DSAM in (p,nγ), except as noted. Only statistical uncertainties are given; the uncertainty due to the stopping power is not included but may be as large as 15%.
[#] Band(A): sequence based on g.s., 9/2$^+$.
[@] Band(a): sequence based on 11/2$^+$.
[&] Band(B): sequence based on 1/2$^-$.
[a] Band(C): sequence based on (35/2$^-$).
[b] Most high-spin assignments were taken from ^{65}Cu(^{36}S,α2nγ) and are based on γ angular distributions and intensity patterns.

Adopted Levels, Gammas (continued)

γ(^{95}Tc)

See ε decay, (α,2nγ), and (p,nγ) for unplaced gammas.

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
38.91	1/2⁻	38.9 *1*	100	0.0	9/2⁺	M4		5.17×10^4 *11*	α(K)=1.158×10^4 *20*; α(L)=3.20×10^4 *8*; α(M)=7.07×10^3 *16*; α(N)=1031 *24*; α(O)=19.3 *4* α(N+..)=1051 *24* B(M4)(W.u.)=16.4 *16* E_γ: from isomeric decay. Mult.: from L-subshell ratios in it decay.
336.413	7/2⁺	336.43 *3*	100	0.0	9/2⁺	M1+E2	+0.33 *6*	0.0118 *3*	α(K)=0.01030 *23*; α(L)=0.00121 *4*; α(M)=0.000220 *6*; α(N)=3.48×10^{-5} *9*; α(O)=2.28×10^{-6} *5* α(N+..)=3.71×10^{-5} *10* E_γ: weighted average of 336.40 *10* (^{95}Ru ε decay), 336.48 *5* (^{93}Nb(α,2nγ)), 336.40 *4* (^{95}Mo(p,n),(p,nγ)). Mult.: from ^{93}Nb(α,2nγ). δ: from ^{95}Mo(p,n),(p,nγ).
626.86	5/2⁺	290.39 *6*	21.5 *3*	336.413	7/2⁺	(M1+E2)	+0.17 *17*	0.0165 *10*	α(K)=0.0144 *8*; α(L)=0.00169 *13*; α(M)=0.000307 *23*; α(N)=4.9×10^{-5} *4*; α(O)=3.23×10^{-6} *15* α(N+..)=5.2×10^{-5} *4* E_γ: weighted average of 290.38 *10* (^{95}Ru ε decay), 290.54 *5* (^{93}Nb(α,2nγ)), 290.33 *3* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 20.7 *6* (^{95}Ru ε decay), 21.65 *24* (^{93}Nb(α,2nγ)). Mult.: D+Q from ^{93}Nb(α,2nγ), adopting (M1+E2) from level scheme.
		626.77 *5*	100.0 *10*	0.0	9/2⁺	(E2(+M3))	0.9 *7*	0.010 *7*	δ: from ^{93}Nb(α,2nγ). α(K)=0.009 *6*; α(L)=0.0011 *8*; α(M)=0.00020 *14*; α(N)=3.2×10^{-5} *22*; α(O)=2.0×10^{-6} *14* α(N+..)=3.4×10^{-5} *24* Mult.: Q(+O) from γ(θ) in (α,2nγ), Δπ=no from level scheme. δ: from α(K)exp in (α,2nγ) assuming E2+M3. Sign may be negative since δ=−0.58 ∞ from γ(θ) in (α,2nγ).
646.55	3/2⁻	607.59 *7*	100	38.91	1/2⁻	(M1)		0.00268 *4*	E_γ: weighted average of 626.83 *10* (^{95}Ru ε decay), 626.8 *1* (^{93}Nb(α,2nγ)), 626.73 *6* (^{95}Mo(p,n),(p,nγ)). α(K)=0.00236 *4*; α(L)=0.000268 *4*; α(M)=4.86×10^{-5} *7*; α(N)=7.74×10^{-6} *11*; α(O)=5.25×10^{-7} *8* α(N+..)=8.7×10^{-6} *5* B(M1)(W.u.)=0.22 *+10−22*

$^{95}_{43}Tc_{52}$-6

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									E_γ: weighted average of 607.3 *5* (^{95}Ru ε decay), 607.82 *15* (^{93}Nb(α,2nγ)), 607.56 *6* (^{95}Mo(p,n),(p,nγ)). Mult.: d(+Q) in ^{93}Nb(α,2nγ), adopting (M1) from level scheme.
667.82	5/2$^-$	331.38 *7*	1.94 *20*	336.413	7/2$^+$				E_γ: weighted average of 331.39 *9* (^{95}Ru ε decay), 331.37 *10* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Mo(p,n),(p,nγ).
		628.92 *6*	100.0 *9*	38.91	1/2$^-$	E2(+M3)	0.08 *17*	0.0027 *9*	α(K)=0.0024 *8*; α(L)=0.00028 *10*; α(M)=5.2×10^{-5} *18*; α(N)=8.E−6 *3*; α(O)=5.2×10^{-7} *18* α(N+..)=9.E−6 *3* Mult.,δ: from α(K)exp in (α,2nγ). Sign may be negative since δ=−0.11 ∞ from γ(θ) in (α,2nγ).
882.23	13/2$^+$	882.17 *8*	100	0.0	9/2$^+$	E2(+M3)	−0.03 *5*	0.00111 *4*	E_γ: weighted average of 629.0 *1* (^{93}Nb(α,2nγ)), 628.92 *6* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Mo(p,n),(p,nγ). α(K)=0.00098 *3*; α(L)=0.000113 *4*; α(M)=2.04×10^{-5} *7*; α(N)=3.24×10^{-6} *10*; α(O)=2.12×10^{-7} *7* α(N+..)=3.45×10^{-6} *11* B(E2)(W.u.)=(34 +*15*−*32*); B(M3)(W.u.)=(3.E+5 +*10*−*3*) Mult.,δ: from γ(θ) in (α,2nγ) and comparison to RUL. Possibly stretched or ΔJ=0 Q.
927.81	3/2$^+$	301.00 *5*	100.0 *6*	626.86	5/2$^+$	(M1+E2)	−0.21 *3*	0.01519 *25*	E_γ: weighted average of 882.36 *10* (^{93}Nb(α,2nγ)), 882.10 *6* (^{95}Mo(p,n),(p,nγ)), 882.3 *4* (^{65}Cu(^{36}S,α2nγ)). α(K)=0.01330 *22*; α(L)=0.00156 *3*; α(M)=0.000283 *5*; α(N)=4.49×10^{-5} *8*; α(O)=2.97×10^{-6} *5* α(N+..)=4.79×10^{-5} *9* Mult.,δ: D+Q from γ(θ) in (p,nγ). Δπ=no from the level scheme.
		591.42 *5*	52.8 *8*	336.413	7/2$^+$	(E2(+M3))	+0.15 *10*	0.0035 *8*	E_γ: weighted average of 301.01 *10* (^{95}Ru ε decay), 301.11 *6* (^{93}Nb(α,2nγ)), 300.95 *4* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 100.0 *7* (^{93}Nb(α,2nγ)), 100.0 *9* (^{95}Mo(p,n),(p,nγ)). α(K)=0.0031 *7*; α(L)=0.00037 *9*; α(M)=6.8×10^{-5} *16*; α(N)=1.07×10^{-5} *25*; α(O)=6.8×10^{-7} *16* α(N+..)=1.1×10^{-5} *3* Mult.: Q(+O) from γ(θ) in (p,nγ). Δπ=no from the level scheme.
									E_γ: weighted average of 591.42 *10* (^{95}Ru ε decay), 591.36 *7*

$^{95}_{43}Tc_{52}$-7

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									(^{93}Nb(α,2nγ)), 591.50 *8* (^{95}Mo(p,n),(p,nγ)).
									I_γ: weighted average of 56.3 *23* (^{95}Ru ε decay), 53.8 *4* (^{93}Nb(α,2nγ)), 51.7 *4* (^{95}Mo(p,n),(p,nγ).
927.81	3/2$^+$	888.91 *4*	66 *4*	38.91	1/2$^-$	(E1)		0.000446 *7*	α(K)=0.000393 *6*; α(L)=4.38×10^{-5} *7*; α(M)=7.90×10^{-6} *11*; α(N)=1.258×10^{-6} *18* α(O)=8.48×10^{-8} *12*; α(N+..)=1.343×10^{-6} *19* Mult.: D from γ(θ) in (p,nγ). Δπ=yes from level scheme. E_γ: weighted average of 889.00 *10* (^{95}Ru ε decay), 888.86 *11* (^{93}Nb(α,2nγ)), 888.90 *5* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 91 *5* (^{95}Ru ε decay), 67.5 *11* (^{93}Nb(α,2nγ)), 61.1 *15* (^{95}Mo(p,n),(p,nγ)).
956.99	11/2$^+$	620.2[@] *5*	2.0 *10*	336.413	7/2$^+$	[E2]		0.00273 *4*	α(K)=0.00239 *4*; α(L)=0.000284 *4*; α(M)=5.14×10^{-5} *8*; α(N)=8.11×10^{-6} *12*; α(O)=5.13×10^{-7} *8* α(N+..)=8.62×10^{-6} *13* B(E2)(W.u.)=3.6 *+20−23* E_γ,I_γ: observed only by (α,2nγ).
		957.00 *16*	100.0 *10*	0.0	9/2$^+$	M1+E2	−2.1 *1*	0.000924 *13*	α(K)=0.000811 *12*; α(L)=9.28×10^{-5} *13*; α(M)=1.679×10^{-5} *24* α(O)=1.772×10^{-7} *25*; α(N+..)=2.85×10^{-6} B(E2)(W.u.)=17 *+4−7*; B(M1)(W.u.)=0.0035 *+9−15* E_γ: weighted average of 956.6 *2* (^{95}Ru ε decay), 957.12 *10* (^{93}Nb(α,2nγ)), 956.6 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: from (α,2nγ). Mult.,δ: from (α,2nγ).
1033.87?	(1/2$^+$)	994.95[@] *5*	100	38.91	1/2$^-$	D			
1084.97	(5/2)$^+$	157.4[@] *3*	<1.05	927.81	3/2$^+$	[M1,E2]		0.16 *9*	α(K)=0.14 *7*; α(L)=0.020 *12*; α(M)=0.0037 *23*; α(N)=0.0006 *4*; α(O)=2.8×10^{-5} *12* α(N+..)=0.0006 *4* B(M1)(W.u.)<0.082 E_γ,I_γ: from (α,2nγ).
		458.0 *2*	3.4 *4*	626.86	5/2$^+$				E_γ,I_γ: from (α,2nγ).
		748.56 *5*	100 *6*	336.413	7/2$^+$				E_γ: weighted average of 748.68 *16* (^{93}Nb(α,2nγ)), 748.55 *5* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ).
		1084.98 *7*	1.89 *21*	0.0	9/2$^+$				E_γ,I_γ: from (α,2nγ).
1178.60	7/2$^+$	551.74 *4*	46 *7*	626.86	5/2$^+$	M1+E2	−0.22 *10*	0.00338 *6*	α(K)=0.00297 *5*; α(L)=0.000340 *6*; α(M)=6.15×10^{-5} *10*; α(N)=9.79×10^{-6} *16*; α(O)=6.60×10^{-7} *10* α(N+..)=1.045×10^{-5} *17*

$^{95}_{43}Tc_{52}$-8

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									B(E2)(W.u.)=14 *+13−14*; B(M1)(W.u.)=0.09 *+3−5* Mult.,δ: D+Q from γ(θ) in (p,nγ). ≠E1+M2 from δ and comparison to RUL. E_γ: weighted average of 551.62 *10* (^{95}Ru ε decay), 551.8 *2* (^{93}Nb(α,2nγ)), 551.76 *5* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 33.1 *12* (^{95}Ru ε decay), 47 *3* (^{93}Nb(α,2nγ)), 54.1 *10* (^{95}Mo(p,n),(p,nγ)).
1178.60	7/2$^+$	842.18 *6*	35 *6*	336.413	7/2$^+$	M1(+E2)	+0.04 *+40−25*	0.001277 *19*	α(K)=0.001123 *17*; α(L)=0.0001268 *18*; α(M)=2.29×10^{-5} *4* α(O)=2.49×10^{-7} *4*; α(N+..)=3.91×10^{-6} B(M1)(W.u.)=(0.019 *+6−11*) E_γ: weighted average of 842.16 *10* (^{95}Ru ε decay), 842.2 *2* (^{93}Nb(α,2nγ)), 842.19 *8* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 24.6 *10* (^{95}Ru ε decay), 35 *4* (^{93}Nb(α,2nγ)), 41.2 *8* (^{95}Mo(p,n),(p,nγ)). Mult.,δ: D+Q from γ(θ) in (p,nγ). ≠E1+M2 from level scheme.
		1178.67 *6*	100.0 *13*	0.0	9/2$^+$	M1+E2	+0.41 *+22−16*	0.000614 *11*	α(K)=0.000537 *10*; α(L)=6.02×10^{-5} *10*; α(M)=1.089×10^{-5} *18* α(O)=1.185×10^{-7} *22*; α(N+..)=6.05×10^{-6} B(E2)(W.u.)=2.1 *+20−21*; B(M1)(W.u.)=0.017 *+5−10* E_γ: weighted average of 1178.7 *2* (^{95}Ru ε decay), 1178.80 *22* (^{93}Nb(α,2nγ)), 1178.66 *6* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 100 *5* (^{95}Ru ε decay), 100 *5* (^{93}Nb(α,2nγ)), 100.0 *14* (^{95}Mo(p,n),(p,nγ)). Mult.,δ: D+Q from γ(θ) in (p,nγ). ≠E1+M2 from level scheme.
1213.13	9/2	876.80 *9*	100.0 *16*	336.413	7/2$^+$				E_γ: weighted average of 876.7 *3* (^{95}Ru ε decay), 876.8 *2* (^{93}Nb(α,2nγ)), 876.81 *10* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ).
		1213.07 *7*	10.3 *3*	0.0	9/2$^+$				E_γ: weighted average of 1213.10 *10* (^{93}Nb(α,2nγ)), 1212.8 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ).
1214.55	9/2$^-$	546.72 *4*	100.0 *14*	667.82	5/2$^-$	E2(+M3)	−0.16 *20*	0.0045 *24*	α(K)=0.0039 *20*; α(L)=0.0005 *3*; α(M)=9.E−5 *5*; α(N)=1.4×10^{-5} *8*; α(O)=9.E−7 *5* α(N+..)=1.5×10^{-5} *9* δ: from (α,2nγ), other: δ=+0.50 *+13−9* from γ(θ) in (p,nγ) discrepant. E_γ: weighted average of 546.73 *5* (^{93}Nb(α,2nγ)), 546.71 *5* (^{95}Mo(p,n),(p,nγ)), 547.0 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: from (α,2nγ).

$^{95}_{43}Tc_{52}$-9

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
1214.55	9/2$^-$	878.35 *9*	24.7 *24*	336.413	7/2$^+$	D(+Q)			E_γ: weighted average of 878.27 *24* (^{93}Nb(α,2nγ)), 878.36 *10* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ). Mult.: from (α,2nγ).
		1214.47 *10*	23 *3*	0.0	9/2$^+$	D			E_γ: weighted average of 1214.55 *11* (^{93}Nb(α,2nγ)), 1214.37 *10* (^{95}Mo(p,n),(p,nγ)), 1215.1 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: from (α,2nγ). Mult.: from (^{95}Mo(p,n),(p,nγ)).
1275.92	(3/2)$^+$	608.20 *5*	45 *10*	667.82	5/2$^-$	D			E_γ,I_γ,Mult.: Observed only by ^{95}Mo(p,n),(p,nγ).
		942[@]		336.413	7/2$^+$				E_γ: Observed only by (p,γ).
		1236.88 *10*	100.0 *14*	38.91	1/2$^-$	D(+Q)	+0.12 *60*		E_γ: weighted average of 1236.5 *3* (^{95}Ru ε decay), 1236.91 *8* (^{95}Mo(p,n),(p,nγ)). I_γ,Mult.,δ: from ^{95}Mo(p,n),(p,nγ).
1281.49	7/2$^{(-)}$	613.68 *4*	100.0 *5*	667.82	5/2$^-$	(M1)		0.00262 *4*	α(K)=0.00230 *4*; α(L)=0.000262 *4*; α(M)=4.74×10^{-5} *7*; α(N)=7.56×10^{-6} *11*; α(O)=5.13×10^{-7} *8* α(N+..)=8.07×10^{-6} *12* B(M1)(W.u.)=0.54 *+16−28* E_γ: weighted average of 613.73 *10* (^{93}Nb(α,2nγ)), 613.67 *5* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ). Mult.: D from (p,nγ), adopting (M1) from level scheme.
		945.05 *5*	13.0 *5*	336.413	7/2$^+$	(E1+M2)	−0.38 *+31−73*	0.0007 *9*	α(K)=0.0006 *8*; α(L)=6.E−5 *9*; α(M)=1.2×10^{-5} *16*; α(N)=2.E−6 *3*; α(O)=1.3×10^{-7} *18* α(N+..)=2.E−6 *3* B(E1)(W.u.)=(0.00025 *+9−14*); B(M2)(W.u.)=(2.E+2 *+3−2*) Mult.: D+Q from γ(θ) in (p,nγ). Δπ=yes from level scheme. E_γ: weighted average of 945.06 *6* (^{93}Nb(α,2nγ)), 945.03 *10* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ).
		1281.53 *9*	19.3 *5*	0.0	9/2$^+$	(E1+M2)	+0.53 *+60−30*	0.0005 *3*	α(K)=0.0004 *3*; α(L)=4.E−5 *4*; α(M)=8.E−6 *6*; α(N)=1.2×10^{-6} *9*; α(O)=8.E−8 *7*; α(N+..)=7.E−5 *3* B(E1)(W.u.)=(0.00013 *+8−10*); B(M2)(W.u.)=(1.0×10^2 *+19−10*) Mult.: D+Q from γ(θ) in (p,nγ). Δπ=yes from level scheme. E_γ: weighted average of 1281.6 *3* (^{93}Nb(α,2nγ)), 1281.52 *10* (^{95}Mo(p,n),(p,nγ)). I_γ: from (α,2nγ).

$^{95}_{43}Tc_{52}$-10

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.†	α	Comments
1307.20	11/2$^+$	970.80 *14*	22 *5*	336.413	7/2$^+$	E2	0.000885 *13*	α(K)=0.000777 *11*; α(L)=8.91×10^{-5} *13*; α(M)=1.612×10^{-5} *23* α(O)=1.691×10^{-7} *24*; α(N+..)=2.73×10^{-6} B(E2)(W.u.)=27 *+7−8* Mult.: Q from γ(θ) in (p,nγ). ≠M2 from comparison to RUL. E_γ,I_γ: from (α,2nγ).
		1307.18 *7*	100 *4*	0.0	9/2$^+$	(M1+E2)	0.000504 *16*	α(K)=0.000421 *16*; α(L)=4.73×10^{-5} *16*; α(M)=8.6×10^{-6} *3*; α(N)=1.36×10^{-6} *5* α(O)=9.3×10^{-8} *4*; α(N+..)=2.64×10^{-5} *24* Mult.: M+Q in (α,2nγ), adopting (M1+E2) from level scheme. E_γ,I_γ: from (α,2nγ).
1407.54	(5/2$^-$,7/2$^-$)	1070.81		336.413	7/2$^+$			
		1407.55 *25*	100.0 *22*	0.0	9/2$^+$			
1416.41	3/2,5/2$^{(-)}$	748.55 *5*	100 *20*	667.82	5/2$^-$			E_γ,I_γ: from (p,nγ).
		769.86 *6*	49.7 *9*	646.55	3/2$^-$			E_γ,I_γ: from (p,nγ).
		1377.63 *10*	16.5 *5*	38.91	1/2$^-$			E_γ,I_γ: from (p,nγ).
1433.25	5/2$^+$	254.47 *14*	1.04 *5*	1178.60	7/2$^+$	(M1)	0.0226	α(K)=0.0198 *3*; α(L)=0.00231 *4*; α(M)=0.000420 *6*; α(N)=6.68×10^{-5} *10*; α(O)=4.45×10^{-6} *7* α(N+..)=7.12×10^{-5} *10* B(M1)(W.u.)=0.195 *+24−27* E_γ: weighted average of 254.58 *20* (^{95}Ru ε decay), 254.35 *20* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Ru ε decay. Mult.: from γ(θ) in (p,nγ) and level scheme.
		348.25 *10*	0.99 *5*	1084.97	(5/2)$^+$	(M1)	0.01023	α(K)=0.00898 *13*; α(L)=0.001038 *15*; α(M)=0.000188 *3*; α(N)=2.99×10^{-5} *5*; α(O)=2.01×10^{-6} *3* α(N+..)=3.20×10^{-5} *5* B(M1)(W.u.)=0.072 *+9−10* E_γ: weighted average of 348.20 *10* (^{95}Ru ε decay), 348.44 *20* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Ru ε decay. Mult.: from γ(θ) in (p,nγ) and level scheme.
		505.1 *3*	0.57 *24*	927.81	3/2$^+$	D,E2		E_γ: weighted average of 504.8 *3* (^{95}Ru ε decay), 505.4 *3* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Ru ε decay. Mult.: from γ(θ) in (p,nγ) and level scheme.
		786.8[@] *4*	0.24 *19*	646.55	3/2$^-$	(E1)	0.000571 *8*	α(K)=0.000503 *7*; α(L)=5.62×10^{-5} *8*; α(M)=1.015×10^{-5} *15* α(O)=1.085×10^{-7} *16*; α(N+..)=1.724×10^{-6} *25* B(E1)(W.u.)=2.2×10^{-5} *18*

$^{95}_{43}Tc_{52}$-11

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.†	δ‡	α	Comments
									Mult.: d,Q from comparison to RUL. ΔJ^π=1,yes from level scheme.
									E_γ,I_γ: from ^{95}Ru ε decay.
1433.25	5/2$^+$	806.31 *4*	19.3 *8*	626.86	5/2$^+$	D,E2			E_γ: weighted average of 806.28 *10* (^{95}Ru ε decay), 806.32 *5* (^{95}Mo(p,n),(p,n)).
									I_γ: from ^{95}Ru ε decay.
									Mult.: from γ(θ) in (p,nγ) and level scheme.
		1096.76 *6*	100 *5*	336.413	7/2$^+$	M1+E2		0.000695 *25*	α(K)=0.000611 *23*; α(L)=6.91×10^{-5} *21*; α(M)=1.25×10^{-5} *4*; α(N)=1.99×10^{-6} *7*
									α(O)=1.34×10^{-7} *6*; α(N+..)=2.12×10^{-6} *7*
									B(E2)(W.u.)≥3.6 *4*; B(M1)(W.u.)≥0.153 *21*
									Mult.: D+Q from γ(θ) in (p,nγ). ≠E1+M2 from δ and comparison to RUL.
									E_γ: weighted average of 1096.80 *10* (^{95}Ru ε decay), 1096.73 *8* (^{95}Mo(p,n),(p,nγ)).
									I_γ: from ^{95}Ru ε decay.
		1433.19 *9*	3.07 *19*	0.0	9/2$^+$	(E2)		0.000443 *7*	α(K)=0.000337 *5*; α(L)=3.79×10^{-5} *6*; α(M)=6.85×10^{-6} *10*; α(N)=1.090×10^{-6} *16*
									α(O)=7.35×10^{-8} *11*; α(N+..)=6.16×10^{-5} *9*
									B(E2)(W.u.)=1.56 *+21−23*
									E_γ: weighted average of 1433.28 *10* (^{95}Ru ε decay), 1433.10 *10* (^{95}Mo(p,n),(p,nγ)).
									I_γ: from ^{95}Ru ε decay.
									Mult.: from level scheme.
1515.25	17/2$^+$	632.95 *16*	100	882.23	13/2$^+$	E2(+M3)	−0.03 *5*	0.00260 *10*	α(K)=0.00227 *8*; α(L)=0.000269 *11*; α(M)=4.88×10^{-5} *19*; α(N)=7.7×10^{-6} *3*; α(O)=4.89×10^{-7} *20*
									α(N+..)=8.2×10^{-6} *4*
									E_γ: weighted average of 632.88 *18* (^{93}Nb(α,2nγ)), 633.3 *4* (^{65}Cu(^{36}S,α2nγ)).
									I_γ: weighted average of 100 *4* (^{93}Nb(α,2nγ)), 100 *10* (^{65}Cu(^{36}S,α2nγ)).
									Mult.,δ: from (α,2nγ); supported by deduced R=1.9 *2* from (^{65}Cu(^{36}S,α2nγ).
1549.46	15/2$^+$	592.51 *8*	100 *4*	956.99	11/2$^+$	(E2)		0.00310 *5*	α(K)=0.00271 *4*; α(L)=0.000323 *5*; α(M)=5.85×10^{-5} *9*; α(N)=9.23×10^{-6} *13*; α(O)=5.81×10^{-7} *9*
									α(N+..)=1.1×10^{-5} *6*
									B(E2)(W.u.)>0.029
									E_γ: weighted average of 592.50 *7* (^{93}Nb(α,2nγ)), 593.0 *4* (^{65}Cu(^{36}S,α2nγ)).
									I_γ: weighted average of 100 *4* (^{93}Nb(α,2nγ)), 100 *10*

$^{95}_{43}Tc_{52}$-12

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									(^{65}Cu(^{36}S,α2nγ)).
									Mult.,δ: from deduced R=1.8 *2* (^{65}Cu(^{36}S,α2nγ).
1549.46	15/2$^+$	667.16 *9*	89 *3*	882.23	13/2$^+$	M1+E2	+0.76 *20*	0.00219 *4*	α(K)=0.00192 *3*; α(L)=0.000221 *4*; α(M)=4.01×10^{-5} *7*; α(N)=6.37×10^{-6} *11*; α(O)=4.23×10^{-7} *6* α(N+..)=6.79×10^{-6} *11* B(E2)(W.u.)>0.0038; B(M1)(W.u.)>3.6×10^{-6} E_γ: weighted average of 667.15 *9* (^{93}Nb(α,2nγ)), 667.3 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: weighted average of 90 *3* (^{93}Nb(α,2nγ)), 83 *10* (^{65}Cu(^{36}S,α2nγ). Mult.,δ: from (α,2nγ); supported by deduced R=1.6 *2* from (^{65}Cu(^{36}S,α2nγ).
1618.53	(3/2$^+$,5/2$^-$)	342.64 *5*	29.6 *17*	1275.92	(3/2)$^+$	D			E_γ,I_γ,Mult.: from (p,nγ).
		950.68 *5*	100 *3*	667.82	5/2$^-$	D,E2			E_γ,I_γ,Mult.: from (p,nγ).
		972.0 *2*	40 *3*	646.55	3/2$^-$	D,Q			E_γ,I_γ,Mult.: from (p,nγ).
		1579.54 *10*	71.0 *20*	38.91	1/2$^-$	D,Q			E_γ,I_γ,Mult.: from (p,nγ).
1632.03	11/2	750 *1*	100 *21*	882.23	13/2$^+$	D			E_γ,I_γ: from (p,nγ). Mult.: from level scheme.
		1632.01 *13*	72 *7*	0.0	9/2$^+$	D+Q	+0.14 *9*		E_γ,I_γ: from (p,nγ). Mult.,δ: from γ(θ) in (p,nγ).
1639.43	(3/2$^-$)	711.61 *5*	100.0 *17*	927.81	3/2$^+$	D			E_γ: weighted average of 711.54 *20* (^{95}Ru ε decay), 711.61 *5* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 100 *11* (^{95}Ru ε decay), 100.0 *17* (^{95}Mo(p,n),(p,nγ)).
		992.3[@] *5*	14.9 *20*	646.55	3/2$^-$	D,E2			E_γ: weighted average of 992.3 *7* (^{95}Ru ε decay), 992.33 *70* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 15 *4* (^{95}Ru ε decay), 14.9 *23* (^{95}Mo(p,n),(p,nγ)).
1691.31	5/2$^+$,7/2$^+$	606.3 *4*	11.3 *11*	1084.97	(5/2)$^+$	D,E2			E_γ: weighted average of 606.3 *5* (^{95}Ru ε decay), 606.3 *5* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 10 *4* (^{95}Ru ε decay), 11.4 *12* (^{95}Mo(p,n),(p,nγ)).
		1064.41 *5*	81.8 *16*	626.86	5/2$^+$	D,E2			E_γ: weighted average of 1064.39 *10* (^{95}Ru ε decay), 1064.42 *6* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 95 *8* (^{95}Ru ε decay), 81.6 *10* (^{95}Mo(p,n),(p,nγ)).
		1355.09 *14*	100 *3*	336.413	7/2$^+$	D,E2			E_γ: weighted average of 1355.1 *2* (^{95}Ru ε decay), 1354.7 *8* (^{93}Nb(α,2nγ)), 1355.10 *20* (^{95}Mo(p,n),(p,nγ)).

$^{95}_{43}Tc_{52}$-13

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									I_γ: weighted average of 100 *6* (^{95}Ru ε decay), 100 *4* (^{95}Mo(p,n),(p,nγ)).
1691.31	5/2$^+$,7/2$^+$	1691.36 *9*	13.2 *8*	0.0	9/2$^+$	D,E2			E_γ: weighted average of 1691.4 *2* (^{95}Ru ε decay), 1691.35 *10* (^{95}Mo(p,n),(p,nγ.
									I_γ: weighted average of 11.4 *13* (^{95}Ru ε decay), 13.6 *6* (^{95}Mo(p,n),(p,nγ)).
1694.53	3/2$^+$,5/2$^{(-)}$,7/2$^-$	1026.71 *6*	100.0 *16*	667.82	5/2$^-$	D,E2			E_γ,I_γ,Mult.: from (p,nγ).
		1047.94 *6*	85.8 *16*	646.55	3/2$^-$	D,E2			E_γ,I_γ,Mult.: from (p,nγ).
		1067.96 *15*	67 *3*	626.86	5/2$^+$	D,E2			E_γ,I_γ,Mult.: from (p,nγ).
		1358.07 *10*	63.9 *19*	336.413	7/2$^+$	D,E2			E_γ,I_γ,Mult.: from (p,nγ).
1702.11	13/2$^-$	487.73 *13*	61 *13*	1214.55	9/2$^-$	E2		0.00542 *8*	α(K)=0.00472 *7*; α(L)=0.000576 *8*; α(M)=0.0001045 *15*; α(N)=1.642×10^{-5} *23*
									α(O)=1.006×10^{-6} *14*; α(N+..)=1.75×10^{-5} *11*
									E_γ: weighted average of 487.75 *7* (^{93}Nb(α,2nγ)), 487.0 *4* (^{65}Cu(^{36}S,α2nγ)).
									I_γ: from (^{93}Nb(α,2nγ)).
									Mult.,δ: from (α,2nγ); supported by deduced R=1.9 *3* from (^{65}Cu(^{36}S,α2nγ)).
		745.00 *11*	100 *10*	956.99	11/2$^+$	E1(+M2)	0.00 *5*	0.000641 *14*	α(K)=0.000564 *12*; α(L)=6.31×10^{-5} *14*; α(M)=1.140×10^{-5} *25*
									α(O)=1.22×10^{-7} *3*; α(N+..)=1.93×10^{-6}
									E_γ: weighted average of 744.97 *9* (^{93}Nb(α,2nγ)), 745.5 *4* (^{65}Cu(^{36}S,α2nγ)).
									I_γ: from (^{93}Nb(α,2nγ)).
									Mult.: from (^{65}Cu(^{36}S,α2nγ)) and level scheme; Intensity ratio R not consistent with M1 assignment.
1747.02	(5/2)$^+$	312.6[@] *8*	9 *6*	1433.25	5/2$^+$	(M1)		0.01341 *21*	α(K)=0.01175 *19*; α(L)=0.001364 *21*; α(M)=0.000247 *4*; α(N)=3.93×10^{-5} *6*; α(O)=2.63×10^{-6} *4*
									α(N+..)=4.20×10^{-5} *7*
									B(M1)(W.u.)=0.8 *6*
									E_γ,I_γ: from ^{95}Ru ε decay.
		819.19 *11*	25.9 *12*	927.81	3/2$^+$	D,E2			E_γ: weighted average of 819.07 *10* (^{95}Ru ε decay), 819.3 *1* (^{95}Mo(p,n),(p,nγ)).
									I_γ: from ^{95}Ru ε decay.
		1100[@] *1*	4.8 *20*	646.55	3/2$^-$	(E1)		0.000301 *7*	α(K)=0.000261 *4*; α(L)=2.90×10^{-5} *4*; α(M)=5.23×10^{-6} *8*; α(N)=8.33×10^{-7} *12*
									α(O)=5.64×10^{-8} *8*; α(N+..)=6.E−6 *5*

$^{95}_{43}Tc_{52}$-14

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	α	Comments
								B(E1)(W.u.)=0.00015 *7* Mult.: D,E2 from comparison to RUL. Δπ=yes from level scheme.
1747.02	$(5/2)^+$	1120.15 *9*	37.8 *20*	626.86	$5/2^+$	D,E2		E_γ,I_γ: from ^{95}Ru ε decay. E_γ: weighted average of 1120.11 *10* (^{95}Ru ε decay), 1120.3 *2* (^{95}Mo(p,n),(p,nγ)). I_γ,Mult.: from ^{95}Ru ε decay.
		1410.60 *6*	100 *6*	336.413	$7/2^+$	D,E2		E_γ: weighted average of 1410.63 *10* (^{95}Ru ε decay), 1410.58 *8* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Ru ε decay.
		1747.00 *21*	1.6 *4*	0.0	$9/2^+$	(E2)	0.000446 *7*	α(K)=0.000229 *4*; α(L)=2.56×10^{-5} *4*; α(M)=4.62×10^{-6} *7*; α(N)=7.36×10^{-7} *11* α(O)=5.00×10^{-8} *7*; α(N+..)=0.000187 *3* B(E2)(W.u.)=0.27 *9* E_γ,I_γ: from ^{95}Ru ε decay. Mult.: D,E2 from comparison to RUL. ΔJ=2 from level scheme.
1785.31	$(7/2)^+$	572.4[@] *4*	18 *8*	1213.13	9/2	D		E_γ,I_γ: from ^{95}Ru ε decay.
		1158.4[#] *1*	100[#] *3*	626.86	$5/2^+$	D,E2		E_γ,I_γ: from ^{95}Ru ε decay.
		1448.9 *2*	18.3 *14*	336.413	$7/2^+$	D,E2		E_γ,I_γ: from ^{95}Ru ε decay.
		1785.4 *2*	85 *7*	0.0	$9/2^+$	D,E2		E_γ,I_γ: from ^{95}Ru ε decay.
1837.65?	$(7/2^+,9/2^+)$	1501.3[@] *3*	100 *11*	336.413	$7/2^+$			E_γ,I_γ: from (p,nγ).
		1837.60[@] *21*	82 *11*	0.0	$9/2^+$			E_γ,I_γ: from (p,nγ).
1873.9?	$(7/2^+,9/2^+)$	1873.9[@] *10*	100	0.0	$9/2^+$			
1888.17	$(5/2^-)$	960.1 *2*	67 *6*	927.81	$3/2^+$			E_γ,I_γ: from (p,nγ).
		1220.4 *3*	30 *6*	667.82	$5/2^-$			E_γ,I_γ: from (p,nγ).
		1261.36 *10*	100 *6*	626.86	$5/2^+$			E_γ,I_γ: from (p,nγ).
1920.04	$(1/2^-,3/2,5/2)$	644.3 *1*	8.5 *9*	1275.92	$(3/2)^+$	D,E2		
		992.33[@] *70*	10.0 *13*	927.81	$3/2^+$	D,E2		
		1252.17 *6*	100.0 *21*	667.82	$5/2^-$	D,E2		
		1273.39 *15*	31 *6*	646.55	$3/2^-$	D,E2		
1921.01	9/2	1584.59 *10*	100.0 *18*	336.413	$7/2^+$	D,E2		
		1920.8 *4*	31 *6*	0.0	$9/2^+$	D,E2		
1958.98	$(5/2^-)$	1622.58 *10*	100 *3*	336.413	$7/2^+$	D(+Q)		δ: −0.07 *12* or −4.0 *+12−41* if 9/2 or ≤−0.4 if 7/2.
		1958.74 *30*	50 *9*	0.0	$9/2^+$			
1978.56	$3/2^+,5/2^+,7/2^+$	358[@] *1*		1618.53	$(3/2^+,5/2^-)$			E_γ: from (p,γ).
		893.75 *22*	14 *4*	1084.97	$(5/2)^+$	D,E2		E_γ: weighted average of 893.3 *2* (^{95}Ru ε decay), 893.86 *10*

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	α	Comments
								(^{95}Mo(p,n),(p,nγ)).
								I_γ: weighted average of 6 *3* (^{95}Ru ε decay), 16.1 *17* (^{95}Mo(p,n),(p,nγ)).
1978.56	$3/2^+,5/2^+,7/2^+$	1050.74 *4*	100.0 *14*	927.81	$3/2^+$	D,E2		E_γ: weighted average of 1050.68 *10* (^{95}Ru ε decay), 1050.75 *5* (^{95}Mo(p,n),(p,nγ)).
								I_γ: weighted average of 100 *4* (^{95}Ru ε decay), 100.0 *15* (^{95}Mo(p,n),(p,nγ)).
		1351.85 *14*	31.1 *14*	626.86	$5/2^+$	D,E2		E_γ: weighted average of 1351.9 *2* (^{95}Ru ε decay), 1351.8 *2* (^{95}Mo(p,n),(p,nγ)).
								I_γ: weighted average of 32.7 *23* (^{95}Ru ε decay), 30.2 *18* (^{95}Mo(p,n),(p,nγ)).
		1642.00 *17*	3.86 *24*	336.413	$7/2^+$	D,E2		E_γ: weighted average of 1642.0 *2* (^{95}Ru ε decay), 1642.0 *3* (^{95}Mo(p,n),(p,nγ)).
								I_γ: weighted average of 3.8 *4* (^{95}Ru ε decay), 3.9 *3* (^{95}Mo(p,n),(p,nγ)).
		1978.3[@] *4*	0.53 *19*	0.0	$9/2^+$	D,Q		E_γ,I_γ: from ^{95}Ru ε decay.
2032.34	$5/2^+,7/2,9/2^{(-)}$	1364.3[@]	100	667.82	$5/2^-$	D,E2		
		1695.97 *13*	12	336.413	$7/2^+$	D,E2		
		2031.8 *4*	17	0.0	$9/2^+$	D,E2		
2086.09	$3/2^+$	446.4[@] *3*	3.8 *19*	1639.43	$(3/2^-)$	[E1]	0.00208 *3*	α(K)=0.00183 *3*; α(L)=0.000207 *3*; α(M)=3.74×10^{-5} *6*; α(N)=5.93×10^{-6} *9*; α(O)=3.91×10^{-7} *6*
								α(N+..)=6.32×10^{-6} *9*
								B(E1)(W.u.)=0.0017 *+11−12*
								E_γ,I_γ: Observed only in ε decay.
		652.74 *4*	48.6 *19*	1433.25	$5/2^+$	(M1)	0.00227 *4*	α(K)=0.00200 *3*; α(L)=0.000227 *4*; α(M)=4.11×10^{-5} *6*; α(N)=6.55×10^{-6} *10*; α(O)=4.44×10^{-7} *7*
								α(N+..)=6.99×10^{-6} *10*
								B(M1)(W.u.)=0.48 *+17−23*
								Mult.: D in (p,nγ), (M1) assignment from level scheme.
								E_γ: weighted average of 652.81 *10* (^{95}Ru ε decay), 652.72 *5* (^{95}Mo(p,n),(p,nγ)).
								I_γ: weighted average of 48.6 *19* (^{95}Ru ε decay), 49 *4* (^{95}Mo(p,n),(p,nγ)).
		1158.38[#] *4*	64[#] *18*	927.81	$3/2^+$	(M1+E2)	0.000621 *23*	α(K)=0.000544 *21*; α(L)=6.13×10^{-5} *20*; α(M)=1.11×10^{-5} *4*; α(N)=1.77×10^{-6} *6*
								α(O)=1.19×10^{-7} *6*; α(N+..)=4.8×10^{-6} *3*
								Mult.: D, E2 in (p,nγ), (M1+E2) assignment from level scheme.

$^{95}_{43}Tc_{52}$-16

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									E_γ: weighted average of 1158.4 *1* (^{95}Ru ε decay), 1158.38 *4* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 40 *9* (^{95}Ru ε decay), 78 *7* (^{95}Mo(p,n),(p,nγ)).
2086.09	$3/2^+$	1418.7[@] *3*	1.6 *3*	667.82	$5/2^-$	[E1]		0.000368 *6*	α(K)=0.0001663 *24*; α(L)=1.84×10^{-5} *3*; α(M)=3.32×10^{-6} *5*; α(N)=5.29×10^{-7} *8* α(O)=3.60×10^{-8} *5*; α(N+..)=0.000180 *3* B(E1)(W.u.)=2.3×10^{-5} *+9−12* E_γ,I_γ: Observed only in ε decay.
		1459.16 *10*	100.0 *21*	626.86	$5/2^+$	(M1+E2)		0.000446 *10*	α(K)=0.000336 *13*; α(L)=3.77×10^{-5} *13*; α(M)=6.81×10^{-6} *23*; α(O)=7.4×10^{-8} *3* α(N+..)=6.5×10^{-5} *6* Mult.: D, E2 in (p,nγ), (M1+E2) assignment from level scheme. E_γ: weighted average of 1459.32 *10* (^{95}Ru ε decay), 1459.10 *6* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 100 *6* (^{95}Ru ε decay), 100.0 *22* (^{95}Mo(p,n),(p,nγ)).
		2047.00 *14*	16.6 *8*	38.91	$1/2^-$	(E1)		0.000754 *11*	α(K)=9.24×10^{-5} *13*; α(L)=1.015×10^{-5} *15*; α(M)=1.83×10^{-6} *3*; α(N)=2.92×10^{-7} *4* α(O)=2.00×10^{-8} *3*; α(N+..)=0.000650 *9* B(E1)(W.u.)=8.E−5 *+3−4* Mult.: D, Q in (p,nγ), (E1) from level scheme. E_γ: weighted average of 2047.1 *2* (^{95}Ru ε decay), 2046.9 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: from ^{95}Ru ε decay.
2118.1?	$(7/2^+,9/2^+)$	2118.1[@]	100	0.0	$9/2^+$				E_γ,I_γ: from 95Mo(p,nγ).
2119.64	$15/2^{(+)}$	604.29 *26*	20.5 *24*	1515.25	$17/2^+$	D,E2			E_γ,I_γ: from ^{93}Nb(α,2nγ).
		1237.44 *16*	100 *10*	882.23	$13/2^+$	D+Q	−0.08 *+3−5*		E_γ,I_γ: from ^{93}Nb(α,2nγ).
2164.1?		1827.7[@] *16*	72 *28*	336.413	$7/2^+$				E_γ,I_γ: from 95Mo(p,nγ).
		2164.1[@] *6*	100 *19*	0.0	$9/2^+$				E_γ,I_γ: from 95Mo(p,nγ).
2168.27	$7/2^+$	421.3[@] *2*	9.9 *14*	1747.02	$(5/2)^+$				E_γ,I_γ: Observed by ε decay only.
		477.3[@] *2*	7.0 *14*	1691.31	$5/2^+$,$7/2^+$				E_γ,I_γ: Observed by ε decay only.
		734.87 *7*	72 *6*	1433.25	$5/2^+$	(M1)		0.001734 *25*	α(K)=0.001525 *22*; α(L)=0.0001726 *25*; α(M)=3.12×10^{-5} *5* α(O)=3.39×10^{-7} *5*; α(N+..)=5.32×10^{-6} B(M1)(W.u.)=0.28 *+6−7* E_γ: weighted average of 735.1 *2* (^{95}Ru ε

$^{95}_{43}Tc_{52}$-17

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	α	Comments
								decay), 734.85 *6* (^{95}Mo(p,n),(p,nγ)).
								I_γ: weighted average of 66 *3* (^{95}Ru ε decay), 78 *3* (^{95}Mo(p,n),(p,nγ)).
2168.27	7/2$^+$	989.76 *5*	100.0 *22*	1178.60	7/2$^+$	[M1+E2]	0.00087 *3*	α(K)=0.000766 *25*; α(L)=8.69×10^{-5} *21*; α(M)=1.57×10^{-5} *4*; α(N)=2.50×10^{-6} *7*; α(O)=1.68×10^{-7} *7* α(N+..)=2.67×10^{-6} *8* E_γ: weighted average of 989.72 *10* (^{95}Ru ε decay), 989.77 *6* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 100 *4* (^{95}Ru ε decay), 100.0 *22* (^{95}Mo(p,n),(p,nγ)).
		1240.40 *14*	11.3 *13*	927.81	3/2$^+$	(E2)	0.000530 *8*	α(K)=0.000453 *7*; α(L)=5.13×10^{-5} *8*; α(M)=9.28×10^{-6} *13*; α(N)=1.476×10^{-6} *21* α(O)=9.89×10^{-8} *14*; α(N+..)=1.554×10^{-5} *22* B(E2)(W.u.)=6.0 *+13−15* E_γ: weighted average of 1240.4 *2* (^{95}Ru ε decay), 1240.4 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 11 *7* (^{95}Ru ε decay), 11.3 *13* (^{95}Mo(p,n),(p,nγ)). Mult.: D,E2 from (p,nγ), adopting (E2) from level scheme.
		1522.0 *3*	3.9 *10*	646.55	3/2$^-$			E_γ,I_γ: Observed by ε decay only.
		1541.28 *9*	40.2 *18*	626.86	5/2$^+$	[M1+E2]	0.000434 *8*	α(K)=0.000302 *11*; α(L)=3.37×10^{-5} *11*; α(M)=6.09×10^{-6} *20*; α(N)=9.7×10^{-7} *4* α(O)=6.6×10^{-8} *3*; α(N+..)=9.3×10^{-5} *8* E_γ: weighted average of 1541.3 *2* (^{95}Ru ε decay), 1541.27 *10* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 39 *3* (^{95}Ru ε decay), 40.9 *22* (^{95}Mo(p,n),(p,nγ)).
		1831.80 *14*	34.1 *18*	336.413	7/2$^+$	[M1+E2]	0.000457 *9*	α(K)=0.000215 *7*; α(L)=2.39×10^{-5} *7*; α(M)=4.32×10^{-6} *13*; α(N)=6.90×10^{-7} *21* α(O)=4.72×10^{-8} *16*; α(N+..)=0.000213 *13* E_γ: weighted average of 1831.9 *2* (^{95}Ru ε decay), 1831.7 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 34 *3* (^{95}Ru ε decay), 34.1 *22* (^{95}Mo(p,n),(p,nγ)).
		2168.18 *22*	5.8 *8*	0.0	9/2$^+$	[M1+E2]	0.000548 *15*	α(K)=0.000157 *4*; α(L)=1.74×10^{-5} *4*; α(M)=3.13×10^{-6} *7*; α(N)=5.00×10^{-7} *12* α(O)=3.43×10^{-8} *9*; α(N+..)=0.000371 *17* E_γ: weighted average of 2168.1 *3* (^{95}Ru ε decay), 2168.27 *30* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 6.5 *8* (^{95}Ru ε decay), 4.8 *11* (^{95}Mo(p,n),(p,nγ)).

$^{95}_{43}Tc_{52}$-18

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
2183.86	19/2$^+$	634.47 *12*	85 *6*	1549.46	15/2$^+$	E2(+M3)	−0.01 *16*	0.0026 *5*	α(K)=0.0022 *4*; α(L)=0.00027 *5*; α(M)=4.8×10^{-5} *9*; α(N)=7.6×10^{-6} *15*; α(O)=4.8×10^{-7} *10* α(N+..)=8.1×10^{-6} *16* B(E2)(W.u.)=(1.2×10^2 *+8−12*) E_γ: weighted average of 634.5 *1* (^{93}Nb(α,2nγ)), 634.0 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: from ^{93}Nb(α,2nγ); other: 100 *10* (^{65}Cu(^{36}S,α2nγ)).
		668.54 *12*	100 *6*	1515.25	17/2$^+$	M1+E2	+0.28 *+2−3*	0.00216 *3*	α(K)=0.00190 *3*; α(L)=0.000216 *3*; α(M)=3.90×10^{-5} *6*; α(N)=6.22×10^{-6} *9*; α(O)=4.20×10^{-7} *6* α(N+..)=6.64×10^{-6} *10* B(E2)(W.u.)=8 *+6−8*; B(M1)(W.u.)=0.05 *+3−5* E_γ: weighted average of 668.57 *9* (^{93}Nb(α,2nγ)), 668.0 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: from ^{93}Nb(α,2nγ); other: 57 *5* (^{65}Cu(^{36}S,α2nγ)).
2189.10	5/2$^+$,7/2$^+$	755.83 *7*	32 *3*	1433.25	5/2$^+$	D,E2			E_γ: weighted average of 755.86 *10* (^{95}Ru ε decay), 755.8 *1* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 30 *3* (^{95}Ru ε decay), 37 *5* (^{95}Mo(p,n),(p,nγ)). Mult.: from (p,nγ).
		1010.49 *6*	100.0 *24*	1178.60	7/2$^+$	D,E2			E_γ: weighted average of 1010.57 *10* (^{95}Ru ε decay), 1010.44 *8* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 100 *4* (^{95}Ru ε decay), 100 *3* (^{95}Mo(p,n),(p,nγ)). Mult.: from (p,nγ).
		1104.3[@] *2*	29 *9*	1084.97	(5/2)$^+$	D,E2			E_γ,I_γ,Mult.: observed only in ε decay.
		1261.2[@] *2*	46 *3*	927.81	3/2$^+$	D,E2			E_γ,I_γ,Mult.: observed only in (p,nγ).
		1562.33 *14*	18 *5*	626.86	5/2$^+$	D,E2			E_γ: weighted average of 1562.3 *2* (^{95}Ru ε decay), 1562.35 *20* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 21.9 *14* (^{95}Ru ε decay), 12.4 *17* (^{95}Mo(p,n),(p,nγ)). Mult.: from (p,nγ).
		1852.65 *15*	16.8 *8*	336.413	7/2$^+$	D,E2			E_γ: weighted average of 1852.8 *2* (^{95}Ru ε decay), 1852.5 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: weighted average of 16.4 *14* (^{95}Ru ε decay), 17.0 *9* (^{95}Mo(p,n),(p,nγ)). Mult.: from (p,nγ).
		2189.02 *18*	5.5 *6*	0.0	9/2$^+$	D,Q			E_γ: weighted average of 2189.3 *3* (^{95}Ru ε decay),

$^{95}_{43}Tc_{52}$-19

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									2188.9 *2* (^{95}Mo(p,n),(p,nγ)).
									I_γ: weighted average of 5.6 *8* (^{95}Ru ε decay), 5.4 *9* (^{95}Mo(p,n),(p,nγ)).
									Mult.: from (p,nγ).
2203.59	(3/2$^+$,5/2$^+$)	564.09 *25*	81 *6*	1639.43	(3/2$^-$)				
		1118.69 *25*	100 *4*	1084.97	(5/2)$^+$				
2210.6?		1874.3 *4*	100 *4*	336.413	7/2$^+$				
		2210.2 *6*	16 *4*	0.0	9/2$^+$				
2212.90	(17/2$^-$)	510.9 *3*	23 *5*	1702.11	13/2$^-$	(E2)		0.00473 *7*	α(K)=0.00412 *6*; α(L)=0.000500 *7*; α(M)=9.07×10^{-5} *13*; α(N)=1.426×10^{-5} *21*; α(O)=8.79×10^{-7} *13*
									α(N+..)=1.514×10^{-5} *22*
									Mult.: from α(K)exp in (α,2nγ).
									E_γ: weighted average of 510.8 *5* (^{93}Nb(α,2nγ)), 511.0 *4* (^{65}Cu(^{36}S,α2nγ)).
									I_γ: from (α,2nγ); other: 38 *4* ((^{36}S,α2nγ)).
		663.43 *12*	100 *5*	1549.46	15/2$^+$	(E1(+M2))	+0.07 *9*	0.00085 *11*	α(K)=0.00075 *10*; α(L)=8.4×10^{-5} *12*; α(M)=1.52×10^{-5} *21*; α(N)=2.4×10^{-6} *4*; α(O)=1.61×10^{-7} *22*
									α(N+..)=2.6×10^{-6} *4*
									E_γ: weighted average of 663.43 *12* (^{93}Nb(α,2nγ)), 663.5 *4* (^{65}Cu(^{36}S,α2nγ)).
									I_γ: from (α,2nγ); other: 38 *4* ((^{36}S,α2nγ)).
									Mult.: from (α,2nγ).
		697.6 *4*	9.4 *11*	1515.25	17/2$^+$	[E1]		0.000738 *11*	α(K)=0.000649 *10*; α(L)=7.28×10^{-5} *11*; α(M)=1.313×10^{-5} *19*
									α(O)=1.398×10^{-7} *20*; α(N+..)=2.23×10^{-6}
									E_γ,I_γ: observed only in (α,2nγ).
2219.63	(7/2$^+$)	1291.4 *3*	100 *8*	927.81	3/2$^+$				
		1883.5 *3*	27.7 *22*	336.413	7/2$^+$				
		2219.9 *5*	9 *3*	0.0	9/2$^+$				
2231.5	(17/2$^+$)	682.1 *4*	12 *4*	1549.46	15/2$^+$	D,E2			
		716.2 *4*	100 *5*	1515.25	17/2$^+$	(M1+(E2))	−0.06 *+8−17*	0.00184 *3*	α(K)=0.001616 *23*; α(L)=0.000183 *3*; α(M)=3.31×10^{-5} *5*; α(N)=5.29×10^{-6} *8*; α(O)=3.59×10^{-7} *5*
									α(N+..)=5.64×10^{-6} *8*
									B(E2)(W.u.)=4 *+10−4*; B(M1)(W.u.)=0.51 *16*
		1349.1 *5*	5.9 *24*	882.23	13/2$^+$	(E2)		0.000470 *7*	α(K)=0.000381 *6*; α(L)=4.29×10^{-5} *6*; α(M)=7.76×10^{-6} *11*; α(N)=1.236×10^{-6} *18*

$^{95}_{43}Tc_{52}$-20

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	Comments
							α(K)=0.000381 *6*; α(L)=4.29×10^{-5} *6*; α(M)=7.76×10^{-6} *11*; α(N)=1.236×10^{-6} *18* α(O)=8.31×10^{-8} *12*; α(N+..)=3.85×10^{-5} *6* B(E2)(W.u.)=2.5 *13*
2236.97	(≥5/2)	1610.1 *2*	100	626.86	5/2$^+$		
2240.6?		1904.3[@] *4*	100 *16*	336.413	7/2$^+$		
		2240.4[@] *5*	100 *26*	0.0	9/2$^+$		
2251.96	(7/2)$^+$	560.0[@] *5*	14 *9*	1691.31	5/2$^+$,7/2$^+$		E_γ,I_γ: Observed only in ε decay.
		1324.0 *3*	4.7 *24*	927.81	3/2$^+$		E_γ,I_γ: from (p,nγ).
		1625.1 *3*	27.0 *3*	626.86	5/2$^+$		E_γ,I_γ: from (p,nγ).
		2252.1 *2*	100 *5*	0.0	9/2$^+$		E_γ,I_γ: from (p,nγ).
2267.59	(7/2)$^+$	576.1[@] *6*	14 *11*	1691.31	5/2$^+$,7/2$^+$		E_γ,I_γ: observed only in ε decay.
		834.4[@] *3*	24 *4*	1433.25	5/2$^+$		E_γ,I_γ: observed only in ε decay.
		1088.9 *2*	76 *17*	1178.60	7/2$^+$		E_γ,I_γ: from ε decay.
		1182.65 *21*	76 *10*	1084.97	(5/2)$^+$		E_γ: weighted average of 1182.8 *3* (^{95}Ru ε decay), 1182.5 *3* (^{95}Mo(p,n),(p,nγ)). I_γ: from ε decay.
		1339.78 *20*	86 *7*	927.81	3/2$^+$		E_γ: weighted average of 1339.62 *10* (^{95}Ru ε decay), 1340.02 *12* (^{95}Mo(p,n),(p,nγ)). I_γ: from ε decay.
		1931.10 *17*	100 *10*	336.413	7/2$^+$		E_γ,I_γ: from ε decay.
		2267.60 *14*	31 *3*	0.0	9/2$^+$		E_γ,I_γ: from ε decay.
2318.3?	(5/2$^+$ to 11/2$^+$)	1982.1[@] *4*	100 *15*	336.413	7/2$^+$		E_γ,I_γ: from (p,nγ).
		2317.5[@] *8*	15 *5*	0.0	9/2$^+$		E_γ,I_γ: from (p,nγ).
2324.48	5/2$^+$,7/2$^+$	891[@] *1*	13 *7*	1433.25	5/2$^+$		E_γ,I_γ: observed only in ε decay.
		1697.45 *15*	8.87 *16*	626.86	5/2$^+$		E_γ: weighted average of 1697.6 *2* (^{95}Ru ε decay), 1697.3 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: from (p,nγ).
		1988.12 *18*	49.6 *19*	336.413	7/2$^+$		E_γ: weighted average of 1988.1 *2* (^{95}Ru ε decay), 1988.2 *4* (^{95}Mo(p,n),(p,nγ)). I_γ: from (p,nγ).
		2324.55 *14*	100 *3*	0.0	9/2$^+$		E_γ: weighted average of 2324.5 *2* (^{95}Ru ε decay), 2324.6 *2* (^{95}Mo(p,n),(p,nγ)). I_γ: from (p,nγ).
2328.72	(3/2)$^+$	580.8[@] *8*	61 *61*	1747.02	(5/2)$^+$		
		689.3 *3*	81 *10*	1639.43	(3/2$^-$)		
		1243.6 *3*	40 *30*	1084.97	(5/2)$^+$		
		1400.8 *3*	30 *6*	927.81	3/2$^+$		

$^{95}_{43}Tc_{52}$-21

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
2328.72	(3/2)$^+$	1702.0[@] *3*	100 *15*	626.86	5/2$^+$				
		2290.0 *3*	24 *4*	38.91	1/2$^-$				
2382.3	(5/2$^+$,7/2$^+$)	403.8[@] *4*	100 *25*	1978.56	3/2$^+$,5/2$^+$,7/2$^+$				
		1295.8[@] *9*	50 *25*	1084.97	(5/2)$^+$				
		1756.1 *10*	50 *25*	626.86	5/2$^+$				
		2382.5 *4*	36 *7*	0.0	9/2$^+$				
2409.54	(5/2$^+$,7/2)	662.2[@] *3*	70 *12*	1747.02	(5/2)$^+$				
		975.9[@] *3*	100 *17*	1433.25	5/2$^+$				
		2410.2 *3*	17 *4*	0.0	9/2$^+$				
2474.7		959.4 *4*	100	1515.25	17/2$^+$				
2546.96	21/2$^+$	363.28 *13*	100 *4*	2183.86	19/2$^+$	(M1)		0.00922 *13*	α(K)=0.00808 *12*; α(L)=0.000933 *13*; α(M)=0.0001692 *24*; α(N)=2.69×10^{-5} *4* α(O)=1.81×10^{-6} *3*; α(N+..)=2.88×10^{-5} B(M1)(W.u.)=0.14 *+5−10* E_γ: weighted average of 363.26 *7* (^{93}Nb(α,2nγ)), 364.0 *4* (^{65}Cu(^{36}S,α2nγ)). Mult.,I_γ: from (α,2nγ).
		1031.78 *9*	57 *3*	1515.25	17/2$^+$	E2		0.000770 *11*	α(K)=0.000677 *10*; α(L)=7.73×10^{-5} *11*; α(M)=1.399×10^{-5} *20* α(O)=1.474×10^{-7} *21*; α(N+..)=2.42×10^{-6} *25* B(E2)(W.u.)=3.2 *+11−22* E_γ: weighted average of 1031.77 *9* (^{93}Nb(α,2nγ)), 1032.0 *4* (^{65}Cu(^{36}S,α2nγ)). Mult.,I_γ: from (α,2nγ).
2556.0?	(≥5/2)	2556[@]	100	0.0	9/2$^+$				
2706.5	(15/2)	1004.4 *5*	100	1702.11	13/2$^-$	D+Q			
2844.0	(23/2$^+$)	660.1 *4*	40 *4*	2183.86	19/2$^+$				
2846.8		633.9 *3*	100	2212.90	(17/2$^-$)				
2906.46	(23/2$^+$)	359.6 *1*	65 *8*	2546.96	21/2$^+$	(M1+E2)	+0.25 *+28−3*	0.0097 *8*	α(K)=0.0085 *7*; α(L)=0.00099 *10*; α(M)=0.000180 *18*; α(N)=2.9×10^{-5} *3*; α(O)=1.90×10^{-6} *12* α(N+..)=3.0×10^{-5} *3* B(E2)(W.u.)=(3.E+2 *+7−3*); B(M1)↓=0.63 *20*; B(M1)(W.u.)=(0.62 *20*) Mult.,δ: D+Q, +0.46 *+∞−24* from γ(θ) in (α,2nγ). Δπ=no from level scheme; δ≤0.25 *28* from comparison to RUL.
		722.5 *1*	100 *12*	2183.86	19/2$^+$	(E2)		0.00182 *3*	α(K)=0.001593 *23*; α(L)=0.000187 *3*;

$^{95}_{43}Tc_{52}$-22

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									α(M)=3.38×10^{-5} *5*; α(N)=5.35×10^{-6} *8*; α(O)=3.44×10^{-7} *5* α(N+..)=5.69×10^{-6} *8* B(E2)(W.u.)=2.4×10^{2} *7*
3024.07	(21/2$^-$)	811.17 *15*	100	2212.90	(17/2$^-$)	E2(+M3)	−0.09 *10*	0.00141 *19*	α(K)=0.00124 *17*; α(L)=0.000144 *21*; α(M)=2.6×10^{-5} *4*; α(N)=4.1×10^{-6} *6*; α(O)=2.7×10^{-7} *4* α(N+..)=4.4×10^{-6} *7* E_γ: weighted average of 811.14 *7* (^{93}Nb(α,2nγ)), 812.0 *4* (^{65}Cu(^{36}S,α2nγ)). Mult.,δ: from (α,2nγ).
3039.27	19/2	492.40 *9*	64 *7*	2546.96	21/2$^+$	D			
		1523.9 *1*	100 *9*	1515.25	17/2$^+$	D+Q	+0.18 *+4−5*		
3065.31	(17/2,19/2$^+$)	1515.5[@] *3*	35 *14*	1549.46	15/2$^+$	D,E2			
		1550.2 *2*	100 *25*	1515.25	17/2$^+$				Mult.,δ: D+Q, −0.04 *10* if J_i=17/2; D+Q, +0.63 *+5−10* if J_i=19/2; E2 if J_i=21/2$^+$ from γ(θ) in (α,2nγ) and comparison to RUL.
3210.3	(21/2)$^+$	1695.0 *4*	100	1515.25	17/2$^+$	E2		0.000439 *7*	α(K)=0.000243 *4*; α(L)=2.71×10^{-5} *4*; α(M)=4.90×10^{-6} *7*; α(N)=7.81×10^{-7} *11* α(O)=5.30×10^{-8} *8*; α(N+..)=0.0001642 *23* B(E2)(W.u.)=4.1 *+8−7* Mult.: from γ(θ) in (α,2nγ) and comparison to RUL.
3516.0	25/2$^+$	969.0 *3*	100	2546.96	21/2$^+$	E2(+M3)	−0.03 *8*	0.00089 *5*	α(K)=0.00078 *4*; α(L)=9.0×10^{-5} *5*; α(M)=1.63×10^{-5} *9*; α(N)=2.58×10^{-6} *14*; α(O)=1.71×10^{-7} *10* α(N+..)=2.75×10^{-6} *15* B(E2)(W.u.)<5.2 E_γ: weighted average of 968.90 *10* (^{93}Nb(α,2nγ)), 970.1 *4* (^{65}Cu(^{36}S,α2nγ)). Mult.,δ: from (α,2nγ).
3578.5	(23/2)	554.4 *7*	100	3024.07	(21/2$^-$)	D(+Q)			
3821.86	(25/2$^-$)	797.78 *9*	100	3024.07	(21/2$^-$)	E2(+M3)	−0.11 *11*	0.0015 *3*	α(K)=0.00132 *22*; α(L)=0.00015 *3*; α(M)=2.8×10^{-5} *5*; α(N)=4.4×10^{-6} *8*; α(O)=2.9×10^{-7} *6* α(N+..)=4.7×10^{-6} *9* E_γ: weighted average of 797.76 *9* (^{93}Nb(α,2nγ)), 798.1 *4* (^{65}Cu(^{36}S,α2nγ)). Mult.,δ: from (α,2nγ).
3918.3	29/2$^+$	402.33 *13*	100	3516.0	25/2$^+$	E2(+M3)	−0.07 *7*	0.0102 *12*	α(K)=0.0088 *10*; α(L)=0.00111 *14*; α(M)=0.00020 *3*; α(N)=3.2×10^{-5} *4*; α(O)=1.87×10^{-6} *25* α(N+..)=3.3×10^{-5} *5* E_γ: weighted average of 402.31 *7* (^{93}Nb(α,2nγ)),

$^{95}_{43}Tc_{52}$-23

Adopted Levels, Gammas (continued)

γ(^{95}Tc) (continued)

E_i(level)	J_i^π	E_γ	I_γ	E_f	J_f^π	Mult.[†]	δ[‡]	α	Comments
									403.1 *4* (^{65}Cu(^{36}S,α2nγ)).
4081.6	23/2$^-$,25/2$^-$,27/2$^-$	565.6 *9*	100	3516.0	25/2$^+$	E1+M2	0.34 *13*	0.0021 *7*	Mult.,δ: from (α,2nγ); consistent with α(K)exp. α(K)=0.0018 *6*; α(L)=0.00021 *7*; α(M)=3.8×10^{-5} *13*; α(N)=6.1×10^{-6} *21*; α(O)=4.0×10^{-7} *14* α(N+..)=6.5×10^{-6} *22*
4110.4		192.1 *4*	100	3918.3	29/2$^+$				Mult.,δ: from α(K)exp in (α,2nγ).
4127.4	(29/2)$^-$	305.61 *24*	100	3821.86	(25/2$^-$)				E_γ: weighted average of 305.57 *7* (α,2nγ) and 307.0 *4* (^{36}S,α2nγ)).
4293.0	27/2$^+$	374.7 *1*	45 *5*	3918.3	29/2$^+$	M1		0.00854 *12*	α(K)=0.00749 *11*; α(L)=0.000864 *13*; α(M)=0.0001566 *22*; α(N)=2.49×10^{-5} *4* α(O)=1.675×10^{-6} *24*; α(N+..)=2.66×10^{-5}
		776 *1*	100 *5*	3516.0	25/2$^+$				
4783.7		656.3 *6*	100	4127.4	(29/2)$^-$				E_γ: weighted average of 655.8 *3* ((α,2nγ)) and 657.1 *4* (^{36}S,α2nγ).
4971.35	(29/2$^-$)	844.0[@] *3*	28 *6*	4127.4	(29/2)$^-$	D(+Q)			δ: −0.8 *29* if J_f=29/2$^-$ or +0.14 *22* if J_f=27/2$^-$ in (α,2nγ). E_γ,I_γ: Observed only in (α,2nγ).
		1149.48 *10*	100 *6*	3821.86	(25/2$^-$)	(E2)			E_γ: weighted average of 1149.5 *1* (^{93}Nb(α,2nγ)), 1149.1 *4* (^{65}Cu(^{36}S,α2nγ)). I_γ: from (α,2nγ). δ: from ^{65}Cu(^{36}S,α2nγ).
5366.8		583.1 *4*	100	4783.7					
5599.3	(31/2$^+$)	1681 *1*	100	3918.3	29/2$^+$				
5643.8	(29/2$^+$)	860.1 *4*	100	4783.7					
5729.3	(31/2$^+$)	1811 *1*	100	3918.3	29/2$^+$	(M1)			δ: from DCO ratio in ^{65}Cu(^{36}S,α2nγ).
5831.6	(33/2$^-$)	860.2 *4*	100	4971.35	(29/2$^-$)	(E2)			
5905.4	(33/2$^+$)	176.1 *4*	100	5729.3	(31/2$^+$)				
6124.6		293.0 *4*	100	5831.6	(33/2$^-$)				
6356.7		525.1 *4*	100	5831.6	(33/2$^-$)				
6501.0		1134.2 *4*	100	5366.8					
6619.5	(35/2$^+$)	714.1 *4*	100	5905.4	(33/2$^+$)				
6668.5	(33/2$^+$)	1069.2 *4*	100	5599.3	(31/2$^+$)	(M1)			δ: from DCO ratio in ^{65}Cu(^{36}S,α2nγ).
7317.7	(35/2$^-$)	1486.1 *4*	100	5831.6	(33/2$^-$)				
7920.6	(35/2$^-$)	2089 *1*	100	5831.6	(33/2$^-$)	(M1)			δ: from DCO ratio in ^{65}Cu(^{36}S,α2nγ).
8298.6	(35/2$^-$)	2467 *1*	100	5831.6	(33/2$^-$)				
8539.7	(37/2$^-$)	619.1 *4*	100	7920.6	(35/2$^-$)				
8971.5	(33/2$^+$)	2303 *1*	100	6668.5	(33/2$^+$)				δ: from DCO ratio in ^{65}Cu(^{36}S,α2nγ).
9148.7	(35/2$^+$)	177.2 *4*	100	8971.5	(33/2$^+$)				
9259.8	(41/2$^-$)	720.1 *4*	100	8539.7	(37/2$^-$)				
10148.8	(37/2$^+$)	1000.1 *4*	100	9148.7	(35/2$^+$)				

$^{95}_{43}Tc_{52}$-24

$\gamma(^{95}Tc)$ (continued)

E_i(level)	J^π_i	E_γ	I_γ	E_f	J^π_f
10659.9	(45/2⁻)	1400.1 *4*	100	9259.8	(41/2⁻)
12078.9	(47/2⁻)	1419.0 *4*	100	10659.9	(45/2⁻)
14460.9		2382 *1*	100	12078.9	(47/2⁻)

† From comparison to RUL, except as noted.

‡ From $\gamma(\theta)$ in (α,2nγ), except as noted.

Multiply placed with intensity suitably divided.

@ Placement of transition in the level scheme is uncertain.

$^{95}_{43}Tc_{52}$-25

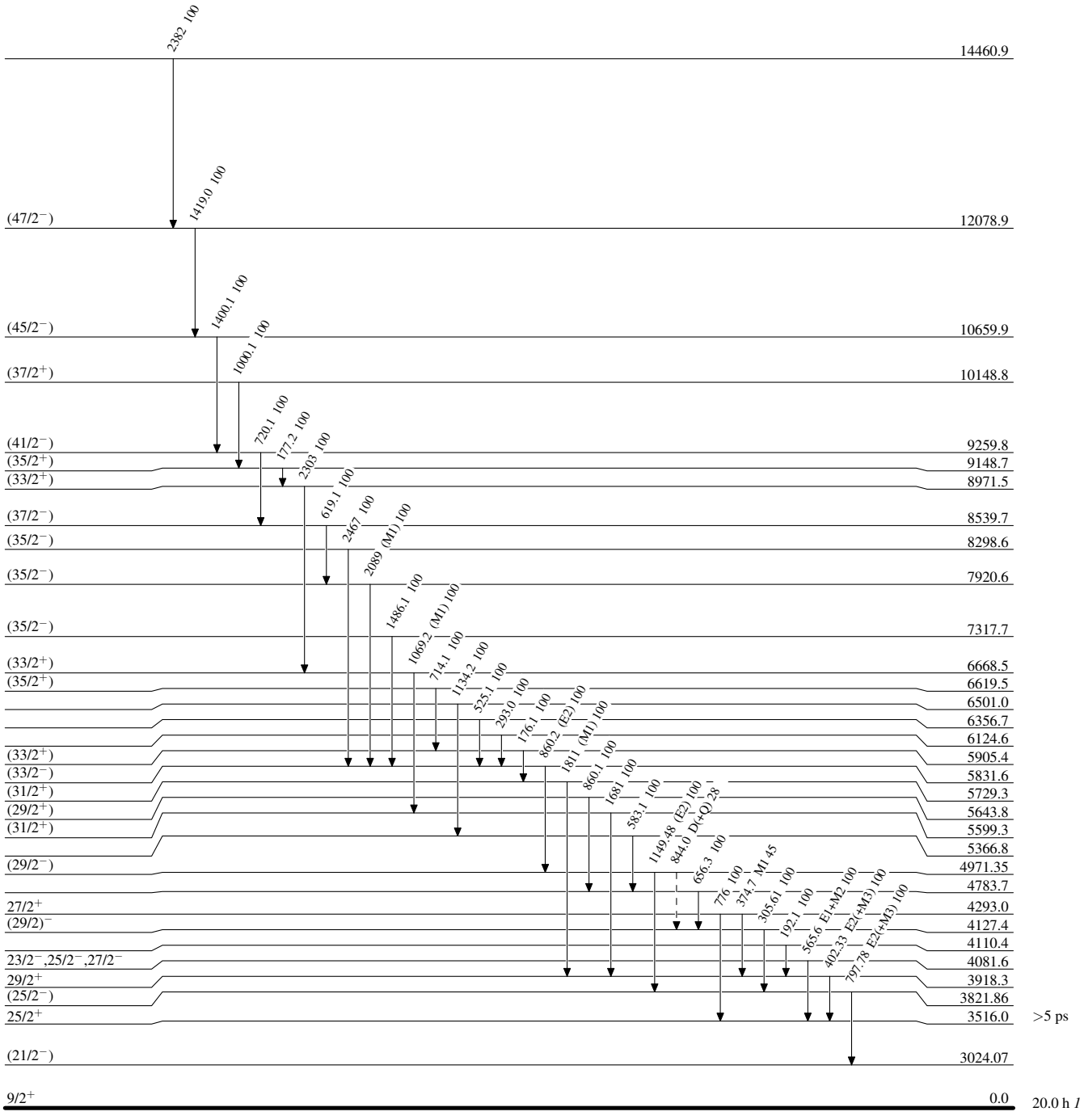
Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{95}_{43}Tc_{52}$

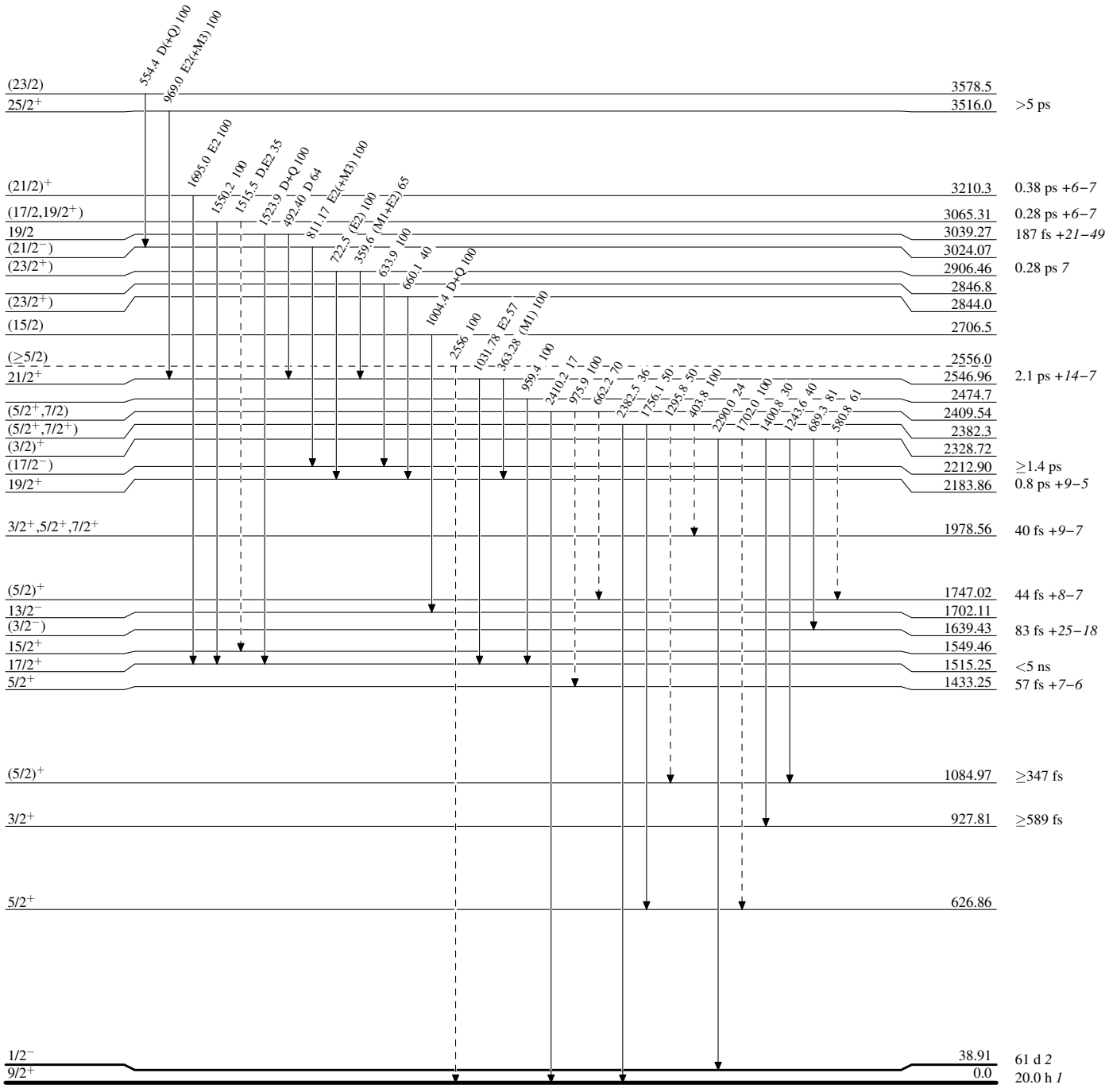
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)



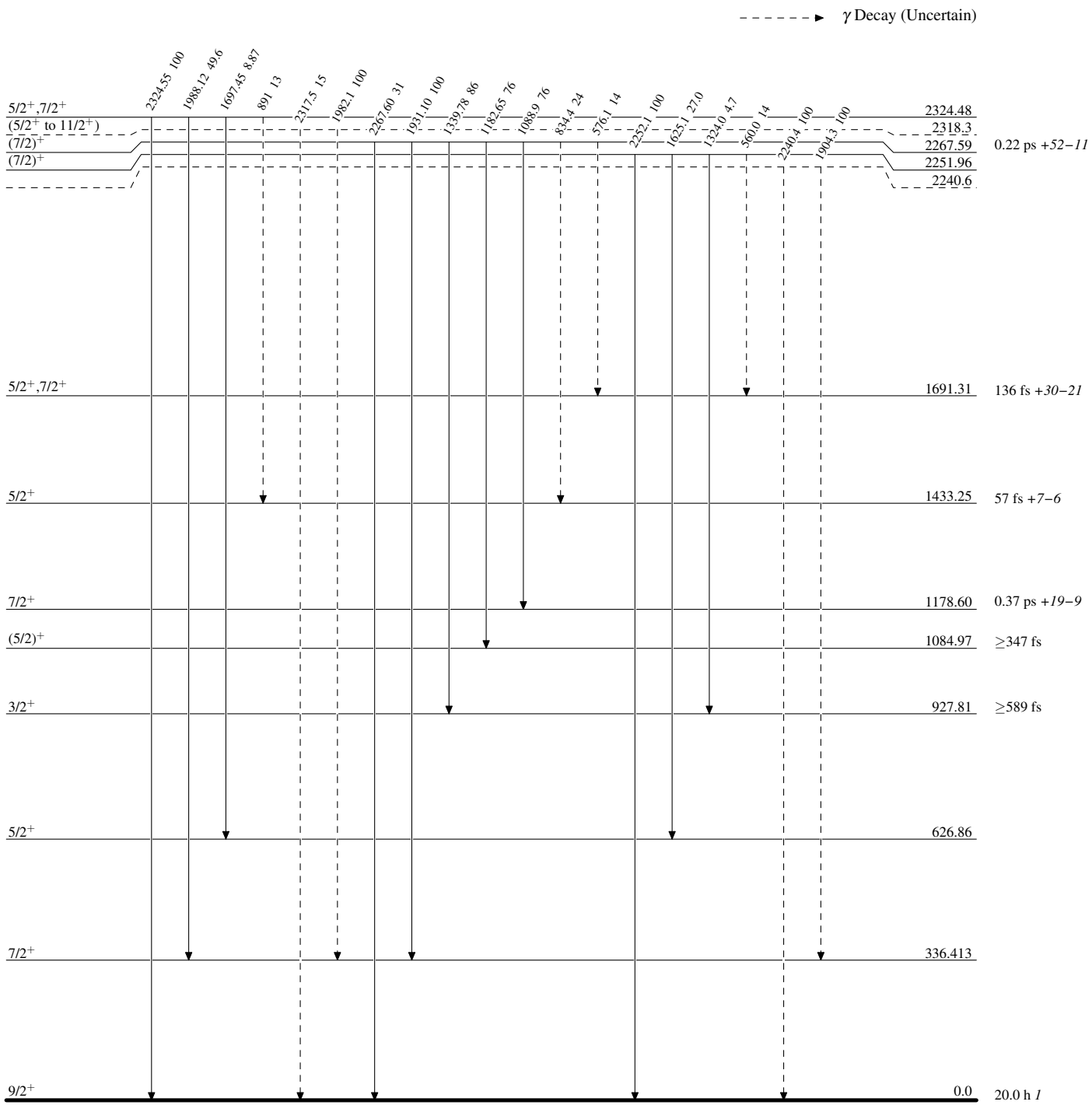
$^{95}_{43}Tc_{52}$

Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

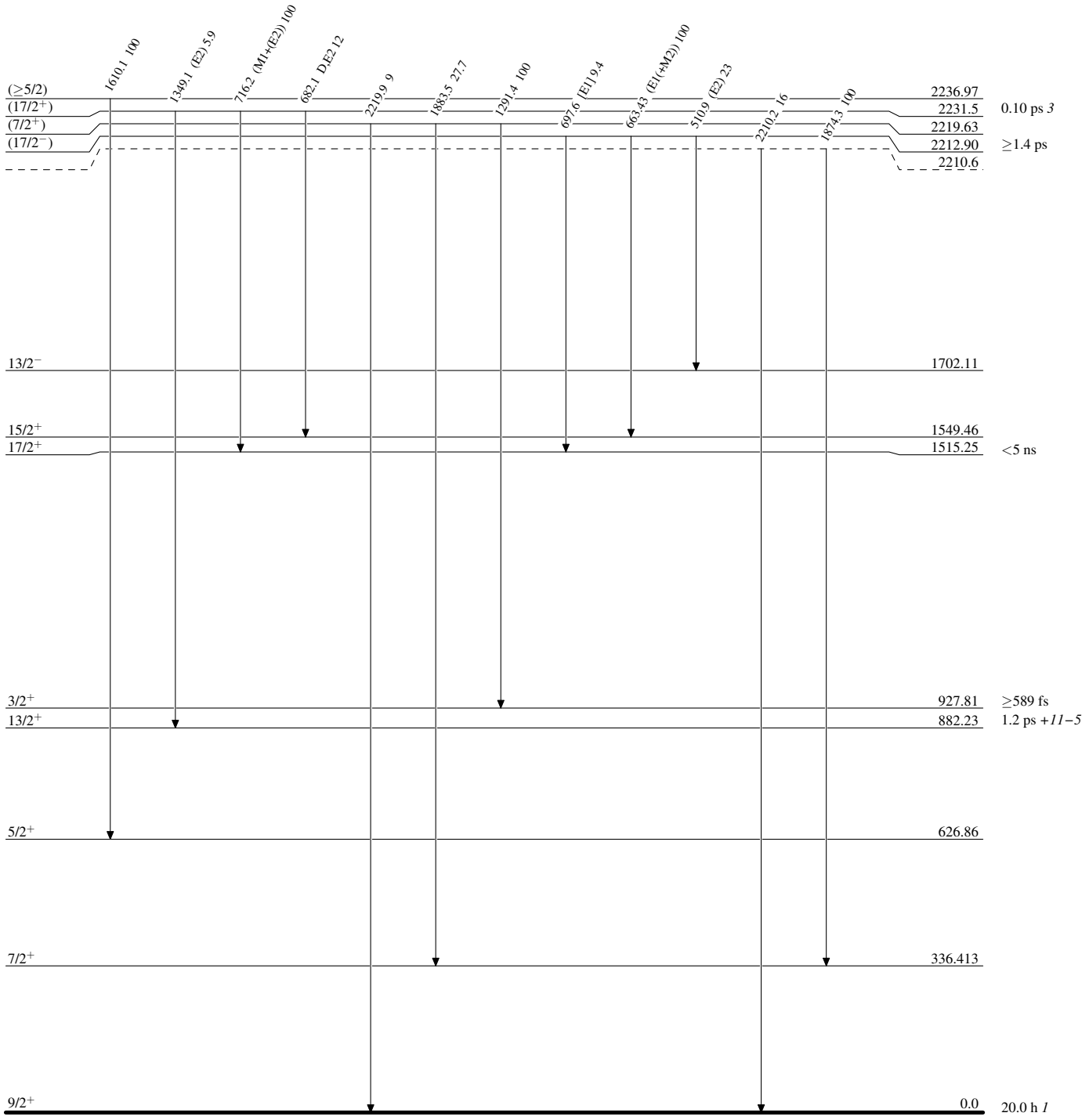


$^{95}_{43}Tc_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

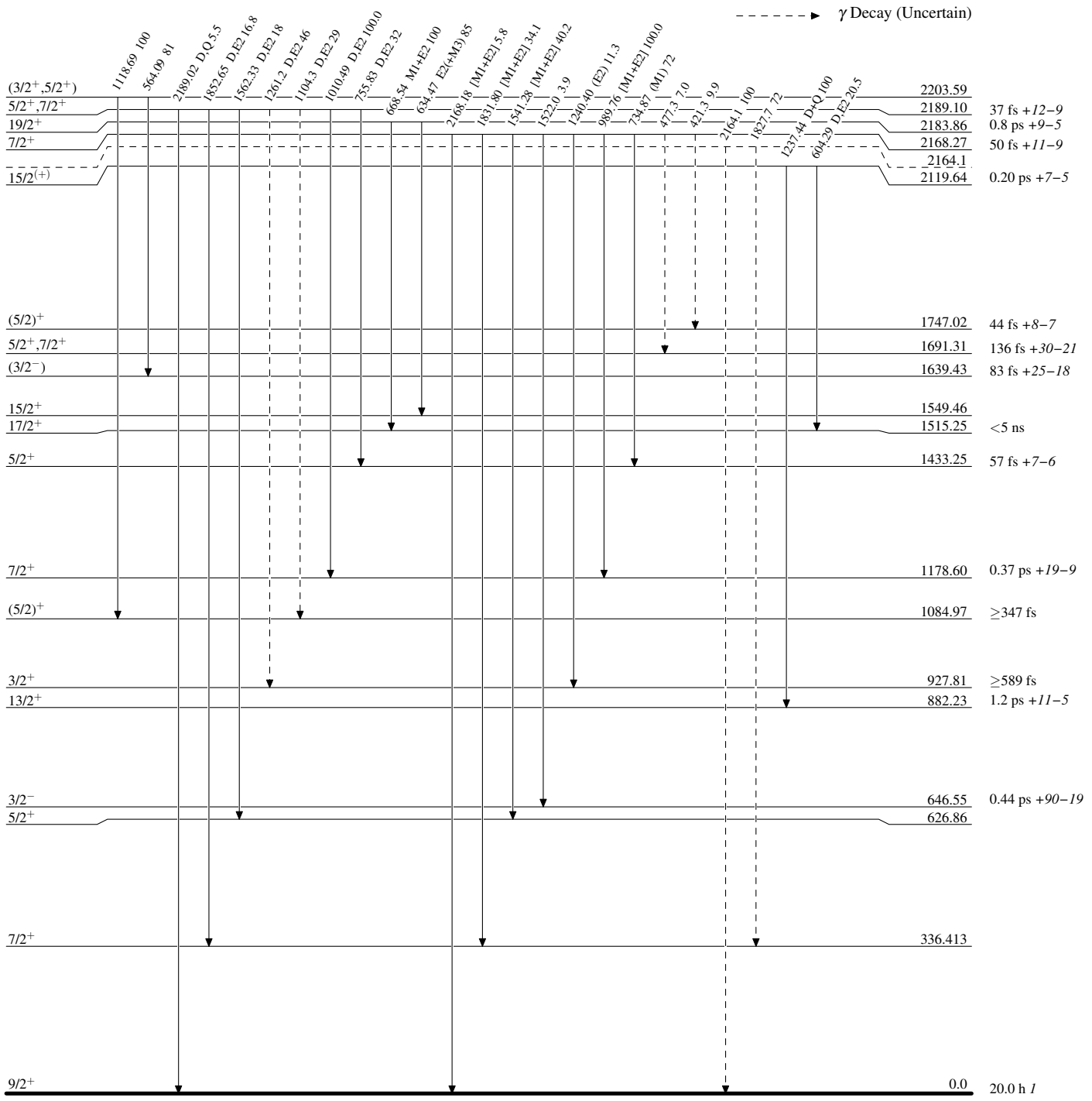


$^{95}_{43}Tc_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{95}_{43}Tc_{52}$

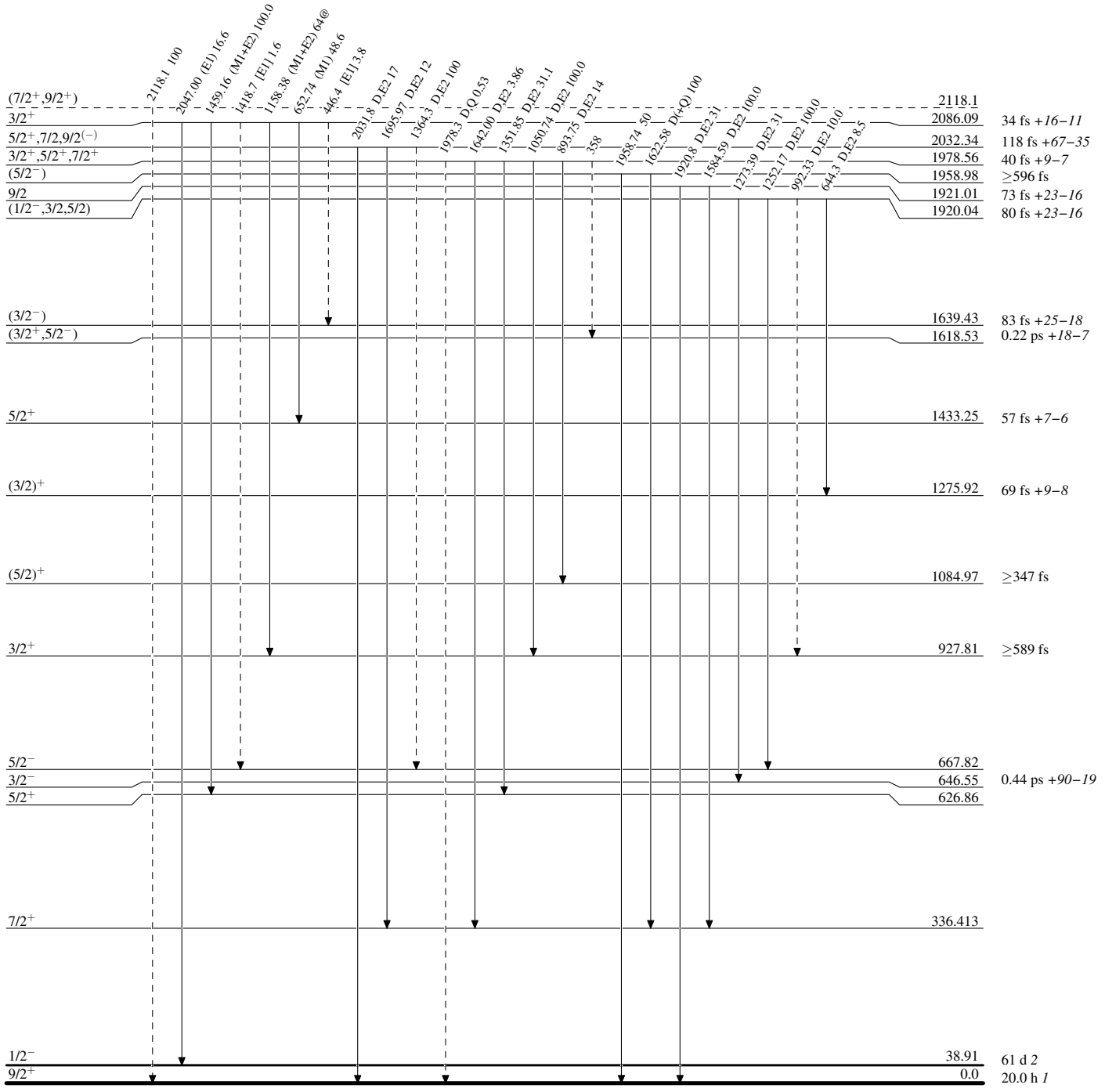
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)



$^{95}_{43}Tc_{52}$

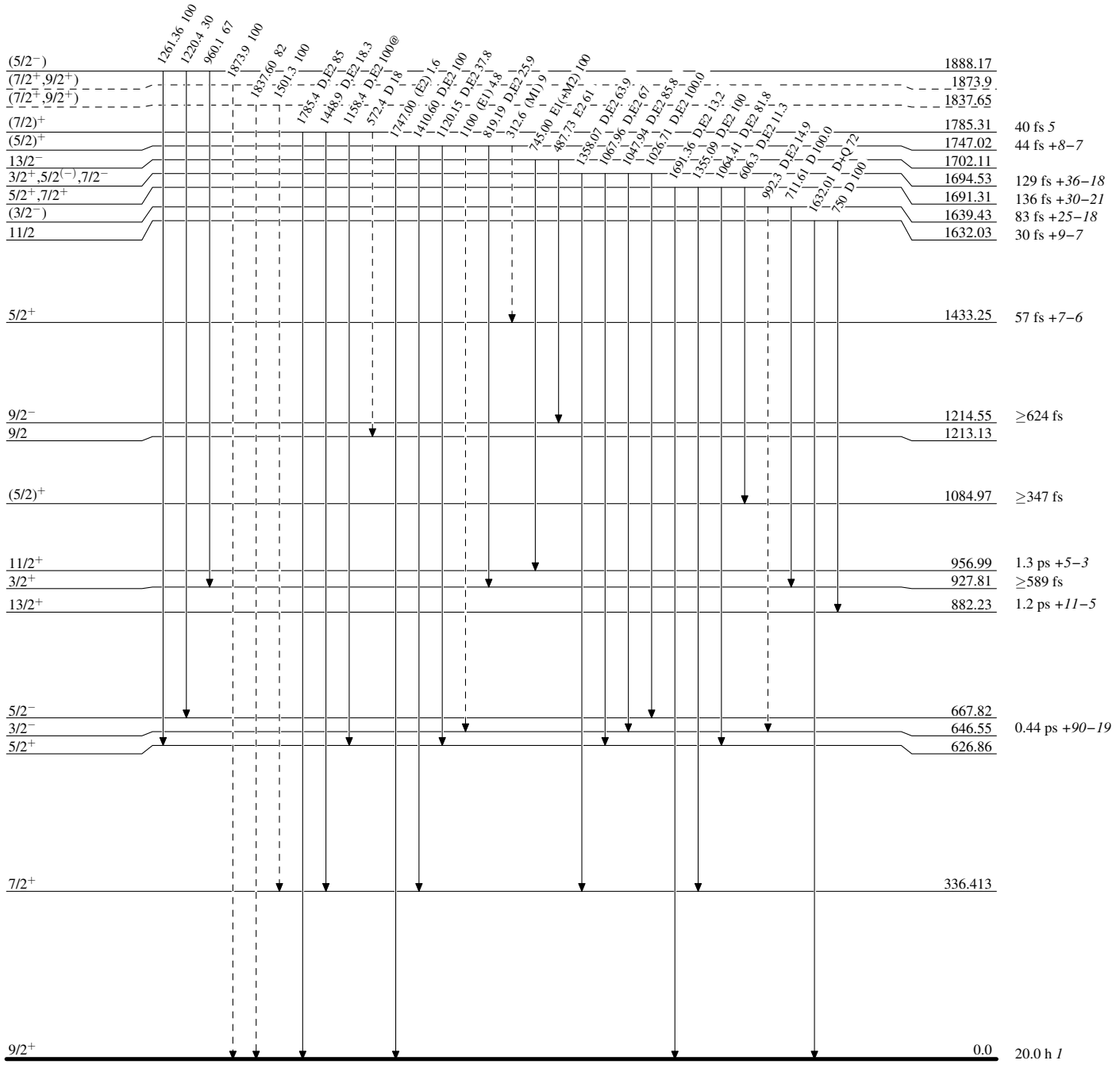
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

- - - - - - ► γ Decay (Uncertain)



$^{95}_{43}Tc_{52}$

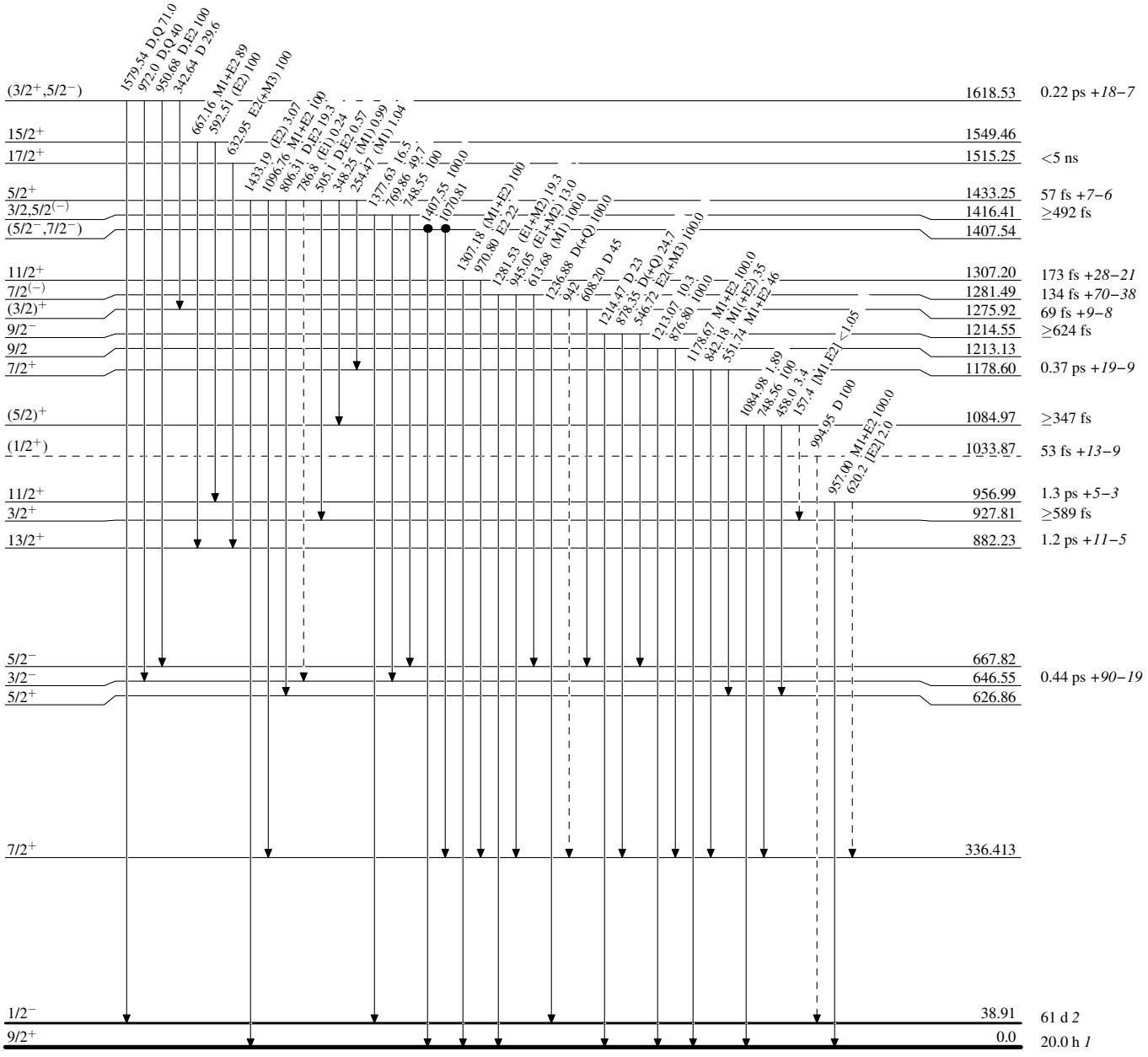
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)
Coincidence

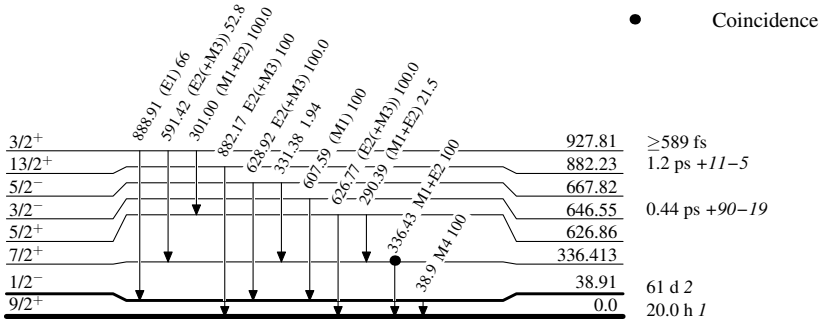


$^{95}_{43}Tc_{52}$

Adopted Levels, Gammas

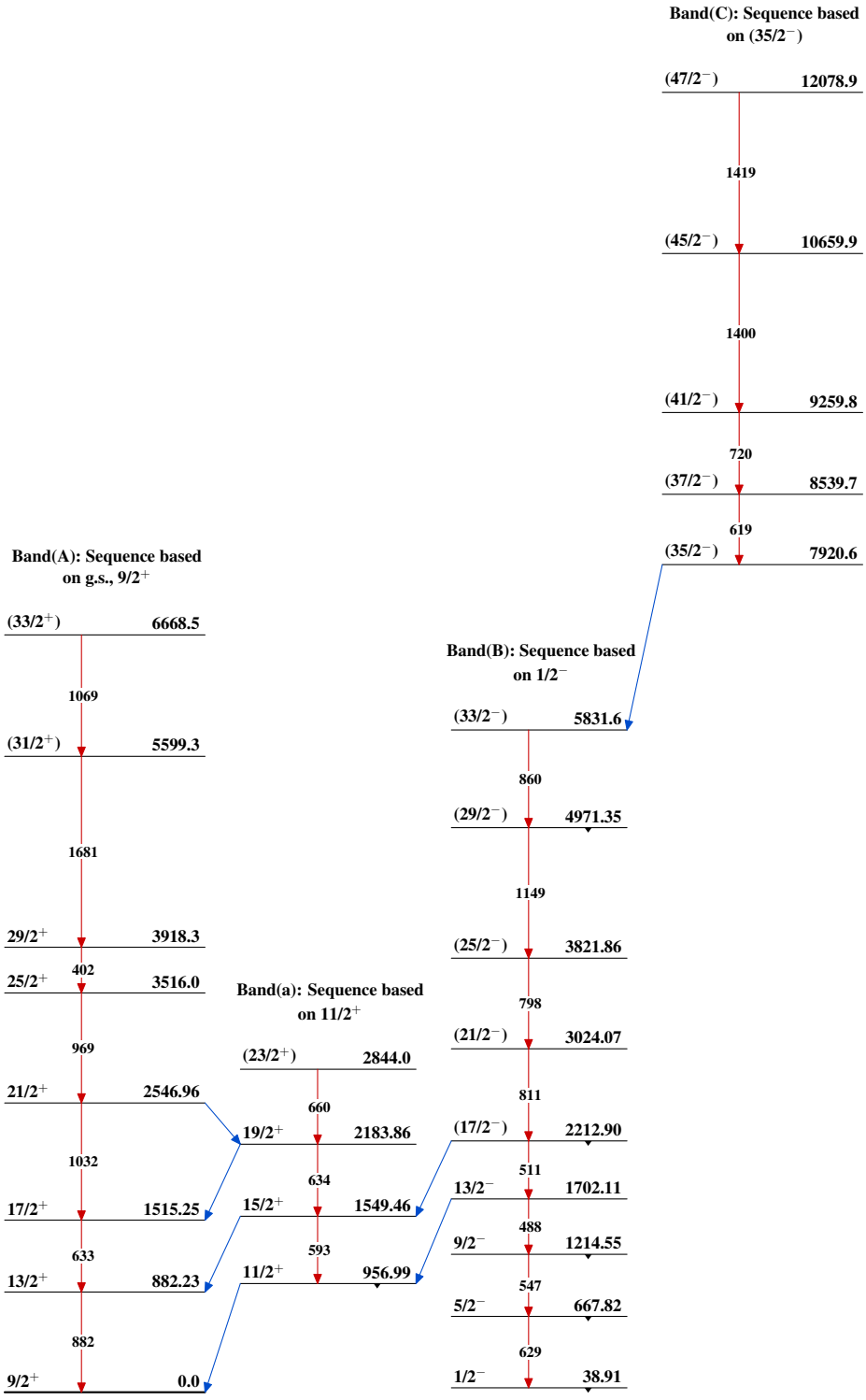
Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



$^{95}_{43}Tc_{52}$

Adopted Levels, Gammas



$^{95}_{43}Tc_{52}$