

$^{176}\text{Yb}(^{28}\text{Si},\text{X}\gamma)$ 2000De33

Type		History	
Author	Citation	Literature Cutoff Date	
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

E=145 MeV. Measured $E\gamma$ and $\gamma\gamma$ using EURO GAM II array consisting of 54 escape-suppressed Ge detectors. 30 of the detectors were large- volume coaxial detectors and the remaining 24 were four-element 'Clover' detectors.

 ^{108}Ru Levels

E(level)	J^π	E(level)	J^π	E(level)	J^π	E(level)	J^π
0 [†]	0 ⁺	974 [‡]	(3 ⁺)	1762 [‡]	(6 ⁺)	2270 [#]	(6 ⁻)
242 [†]	2 ⁺	1183 [‡]	(4 ⁺)	1942 [†]	8 ⁺	2470 [#]	(7 ⁻)
665 [†]	4 ⁺	1240 [†]	6 ⁺	2109 [#]	(5 ⁻)	2739 [†]	10 ⁺
708 [‡]	2 ⁺	1496 [‡]	(5 ⁺)	2133 [‡]	(7 ⁺)	3526 [†]	(12 ⁺)

[†] Band(A): g.s. Band.

[‡] Band(B): $K^\pi=2^+$ band.

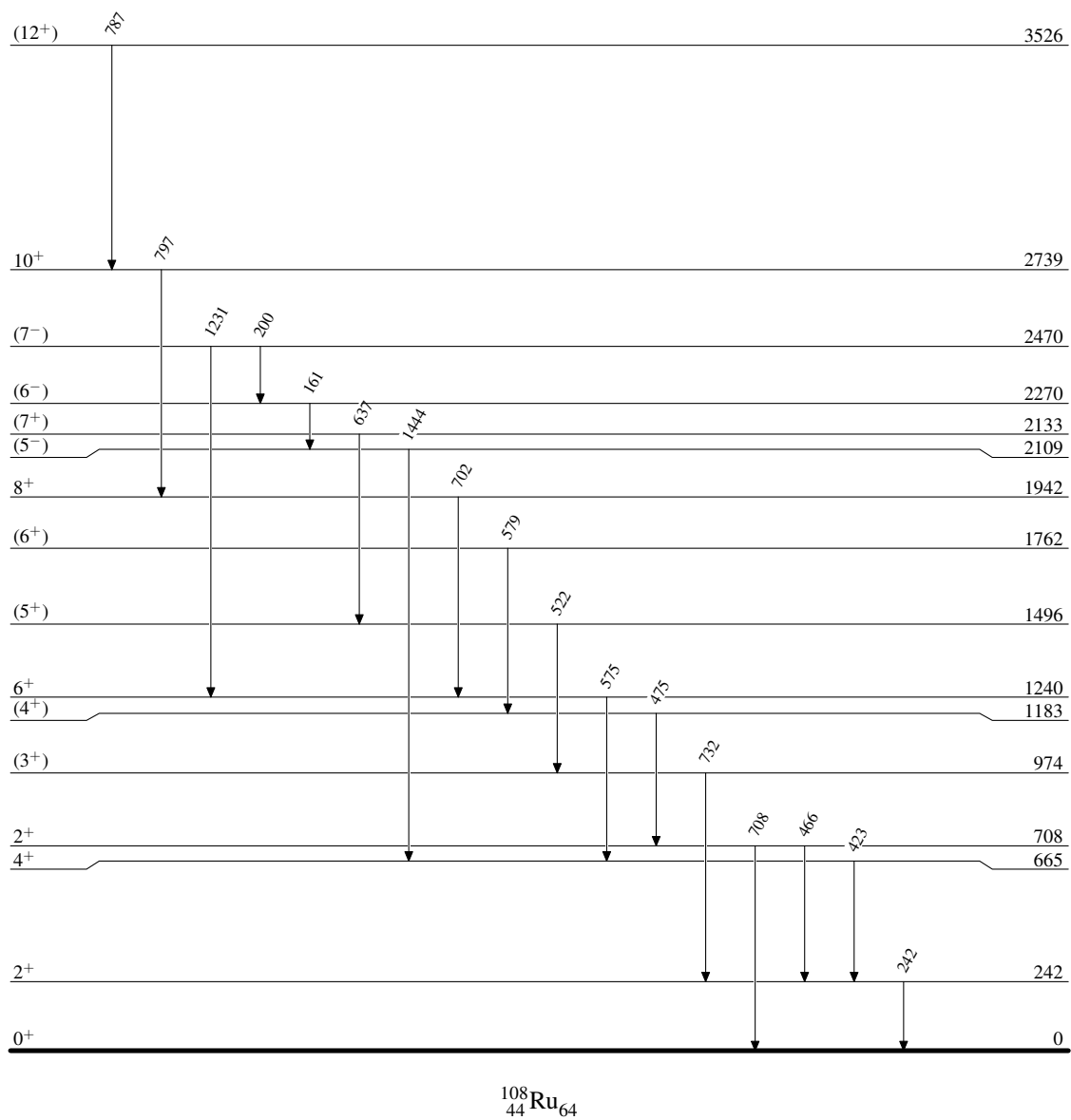
[#] Band(C): Band based on (5⁻).

 $\gamma(^{108}\text{Ru})$

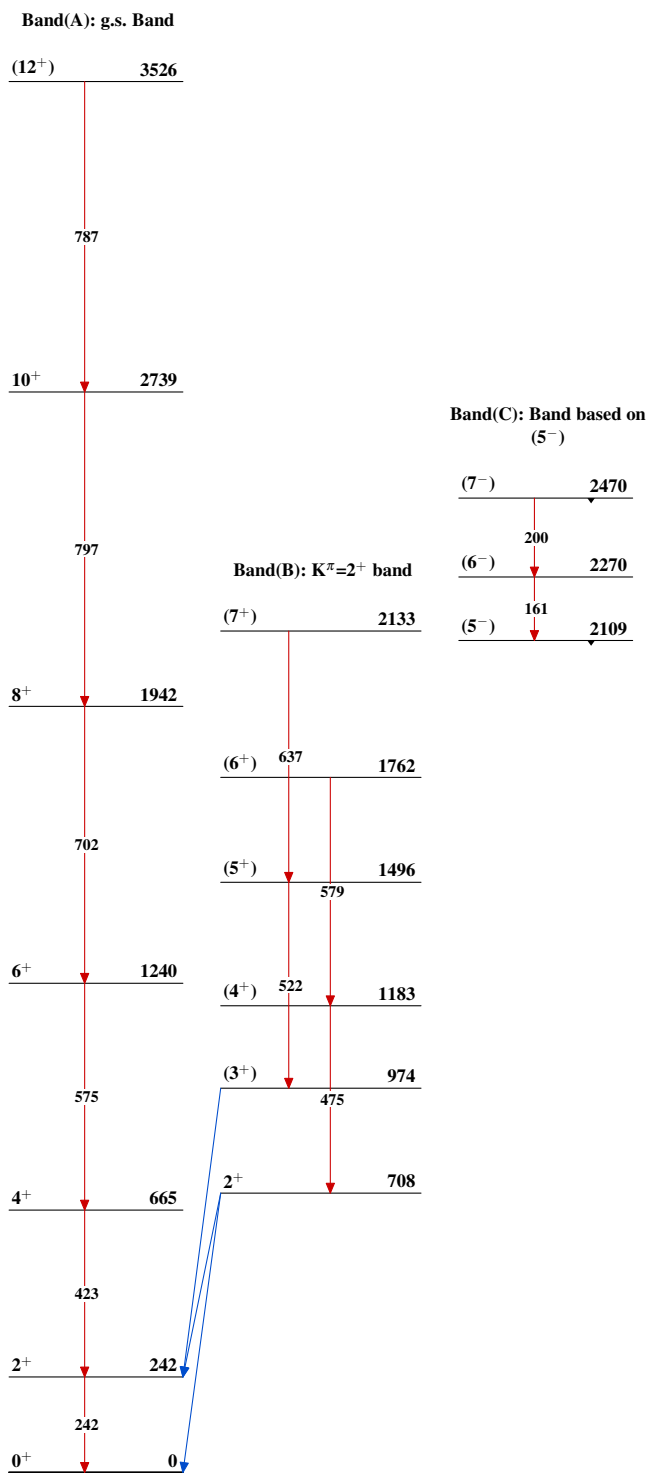
E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
161	2270	(6 ⁻)	2109	(5 ⁻)	522	1496	(5 ⁺)	974	(3 ⁺)	732	974	(3 ⁺)	242	2 ⁺
200	2470	(7 ⁻)	2270	(6 ⁻)	575	1240	6 ⁺	665	4 ⁺	787	3526	(12 ⁺)	2739	10 ⁺
242	242	2 ⁺	0	0 ⁺	579	1762	(6 ⁺)	1183	(4 ⁺)	797	2739	10 ⁺	1942	8 ⁺
423	665	4 ⁺	242	2 ⁺	637	2133	(7 ⁺)	1496	(5 ⁺)	1231	2470	(7 ⁻)	1240	6 ⁺
466	708	2 ⁺	242	2 ⁺	702	1942	8 ⁺	1240	6 ⁺	1444	2109	(5 ⁻)	665	4 ⁺
475	1183	(4 ⁺)	708	2 ⁺	708	708	2 ⁺	0	0 ⁺					

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Level Scheme



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$^{108}_{44}\text{Ru}_{64}$