
 $^{94}\text{Zr}(^{12}\text{C},4\text{n}\text{p}\gamma), ^{102}\text{Ru}(\text{p},2\text{n}\gamma)$ [1977JaZC,1978JaZP](#)

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

$^{102}\text{Ru}(\text{p},2\text{n}\gamma)$ E=13,18, 23 MeV.

$^{94}\text{Zr}(^{12}\text{C},4\text{n}\text{p}\gamma)$ E= 80 MeV.

Measured γ -ray singles, $\gamma\gamma$ -coin, γ -ray angular distributions; results not stated.

Partial level scheme was presented in preliminary report: [1978JaZP](#).

 ^{101}Rh Levels

E(level) [†]	J ^π [‡]	Comments
0.0	1/2 ⁻ [#]	
157	9/2 ⁺ [#]	
182	7/2 ⁺ [#]	
306	3/2 ⁻ [#]	
355	5/2 ⁻ [#]	
747	7/2 ⁺ [#]	E(level): doublet with $\Delta E < 0.5$ keV.
748	(11/2 ⁺)	
851	(7/2 ⁻) [#]	
894	(13/2 ⁺)	
899	9/2 ⁻ [#]	
1578	(11/2 ⁻)	
1605	(13/2 ⁻)	
1608	(15/2 ⁺) [@]	
1780	(17/2 ⁺) [@]	
2387	(17/2 ⁻)	
2432?		
2782	(21/2 ⁺) [@]	
3425		

[†] Tentative E(levels)=2576, 2880, 3026, 3198, 3424 were suggested, but the γ 's placed by the authors have been reassigned in later in-beam work. This preliminary work has never been published.

[‡] Unless otherwise noted, assignments are primarily from angular distribution data, cross bombardments, and calculations.

[#] From Adopted Levels.

[@] Possible assignments.