

Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 2391 (2012)	1-Sep-2012

$Q(\beta^-)=7.93\times 10^3$ 7; $S(n)=4.15\times 10^3$ 7; $S(p)=1.483\times 10^4$ SY; $Q(\alpha)=-8.79\times 10^3$ 7 [2012Wa38](#)

Note: Current evaluation has used the following Q record.

$\Delta S(p)=220$, $\Delta Q(\alpha)=220$ ([2011AuZZ](#)).

$Q(\beta^-)=8.04\times 10^3$ 9; $S(n)=4.05\times 10^3$ 9; $S(p)=1.463\times 10^4$ SY; $Q(\alpha)=-8.55\times 10^3$ SY [2011AuZZ](#)

 ^{115}Ru LevelsCross Reference (XREF) Flags

[A](#) $^{238}\text{U}(p,X)$

E(level)	J^π [†]	$T_{1/2}$	XREF	Comments
0.0	(3/2 ⁺)	318 ms 19	A	$\% \beta^- = 100$; $\% \beta^- n = ?$ J^π : From systematics of neighboring nuclides (2010Ku25). $T_{1/2}$: from 2010Ku25 . Others : 400 ms 100 (1991AyZY), 740 ms 80 (1992Ay02). $\% \beta^-$: the error in Q does not allow to be sure for a branching in $\% \beta^- n$.
61.7	(5/2 ⁺)		A	Possible $\nu 3/2[431]$ oblate configuration.
61.7+x	(9/2 ⁻)	76 ms 6	A	E(level): x $\approx$ 20 keV (2010Ku25). $T_{1/2}$: from the decay curve for 61.7 γ (2010Ku25).

[†] From assignments made in [2011Ri07](#).

 $\gamma(^{115}\text{Ru})$

$E_i(\text{level})$	J^π_i	E_γ	I_γ	E_f	J^π_f	Mult.	Comments
61.7	(5/2 ⁺)	61.7	100	0.0	(3/2 ⁺)	M1+E2	$\alpha(K)_{\text{exp}}=2.7$ 6 $\alpha(K)=3.1$ 21; $\alpha(L)=1.0$ 9; $\alpha(M)=0.18$ 16; $\alpha(N+..)=0.027$ 24 $\alpha(N)=0.027$ 24; $\alpha(O)=0.00045$ 25 E_γ : this γ seen in singles γ only, not in β -gated γ spectrum. This γ is correlated with 19.2-keV K_α x ray of Ru.
61.7+x	(9/2 ⁻)	x		61.7	(5/2 ⁺)	[M2]	

Adopted Levels, Gammas**Level Scheme**

Intensities: Type not specified

