

$^{100}\text{Mo}(^7\text{Li,pxn}\gamma)$ 1986Ha09

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

$E(^7\text{Li}) = 49 \text{ MeV}$.

Measured: γ in coin with energetic ejectiles ($p, ^2\text{H}, ^3\text{H}, ^4\text{He}$).

Only partial level schemes given.

 ^{101}Ru Levels

<u>E(level)</u>	<u>J^π</u>
0.0	$5/2^+$
545	$7/2^+$
720	$9/2^+$
1332 [†]	$11/2^+$
1501	$13/2^+$
2174	$17/2^+$
2802	$21/2^+$
3680 [†]	$(25/2^+)$

[†] These levels are shown for the first time.

[‡] As given by the authors.

 $\gamma(^{101}\text{Ru})$

<u>E_γ</u>	<u>$E_i(\text{level})$</u>	<u>J^π_i</u>	<u>E_f</u>	<u>J^π_f</u>
545	545	$7/2^+$	0.0	$5/2^+$
612	1332	$11/2^+$	720	$9/2^+$
628	2802	$21/2^+$	2174	$17/2^+$
673	2174	$17/2^+$	1501	$13/2^+$
720	720	$9/2^+$	0.0	$5/2^+$
780	1501	$13/2^+$	720	$9/2^+$
787	1332	$11/2^+$	545	$7/2^+$
878	3680	$(25/2^+)$	2802	$21/2^+$

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Level Scheme

