

(HI,xn γ) 1995Ga02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 110, 1239 (2009)	1-Feb-2008

$^{103}\text{Rh}(^{12}\text{C,p3n}) E=75$ MeV.

Measured: γ , $\gamma\gamma$, DCO.

The level scheme up to the 3787 level was already given by [1984Pr06](#).

 ^{111}Sn Levels

E(level)	J^π [†]	E(level)	J^π [†]	E(level)	J^π [†]	E(level)	J^π [†]
0	7/2 ⁺	3227	19/2 ⁻	3787	(23/2 ⁻)	5746 [‡]	(31/2 ⁻)
978	11/2 ⁻	3305	19/2 ⁻	4074 [‡]	(23/2 ⁻)	6689 [‡]	(35/2 ⁻)
2061	15/2 ⁻	3321	21/2 ⁻	4445	(25/2 ⁻)	7685 [‡]	(39/2 ⁻)
2982	19/2 ⁻	3457	23/2 ⁻	4838	(27/2 ⁻)	8739 [‡]	(43/2 ⁻)
3122	19/2 ⁻	3619	(21/2 ⁻ ,23/2 ⁻)	4876 [‡]	(27/2 ⁻)		

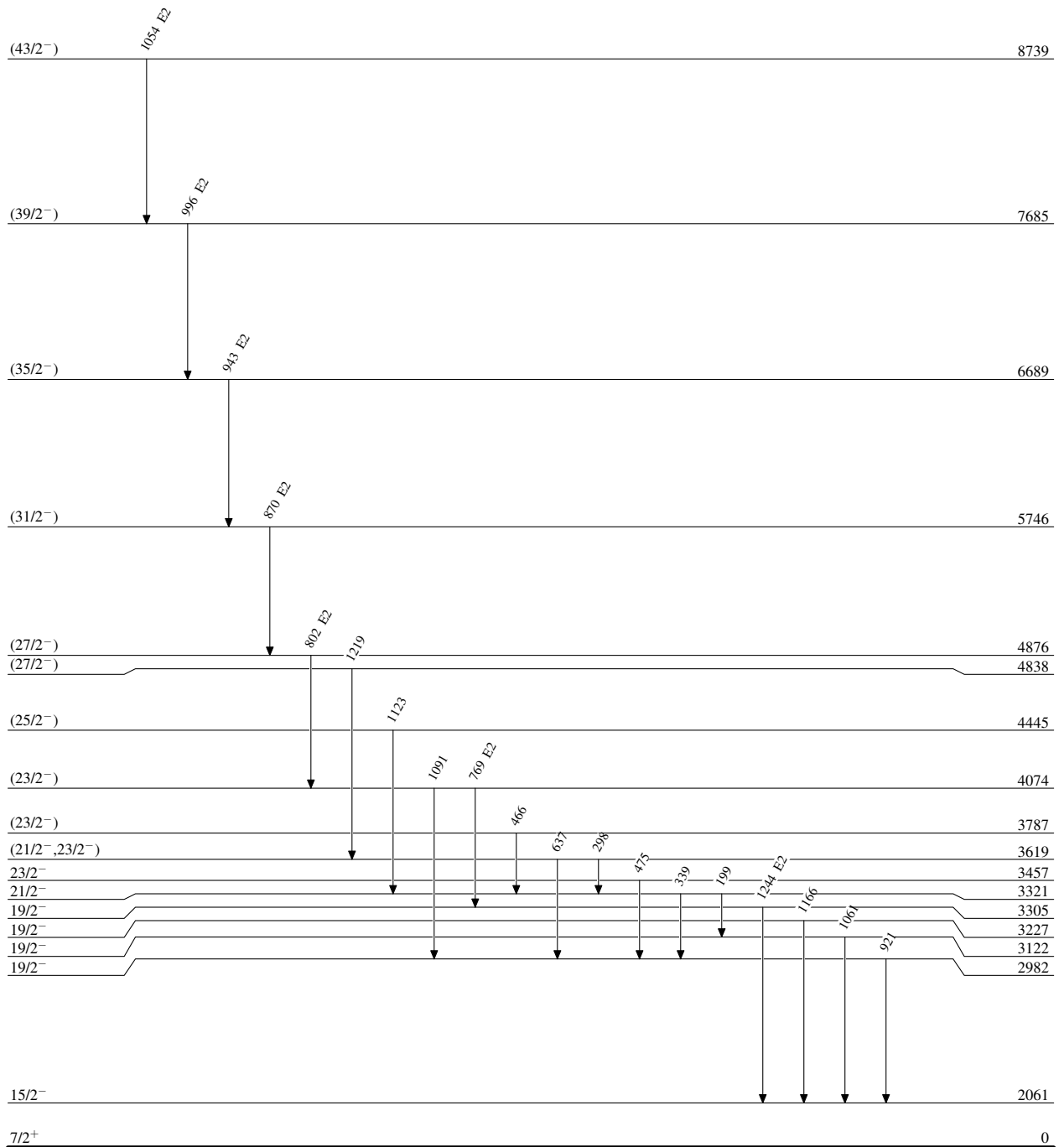
[†] $J^\pi(2062)$ assumed to be 15/2⁻. J^π for the ν h_{11/2} band members is based on the stretched Q (assumed E2) sequence of the 1244, 769, 802, 870, 943, 996, and 1054 γ 's.

[‡] Band(A): rotational band based on ν h_{11/2}.

 $\gamma(^{111}\text{Sn})$

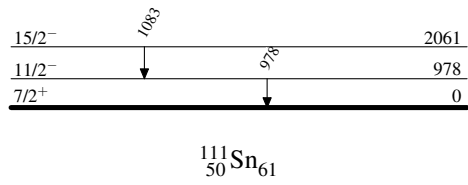
E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. [†]
199	3321	21/2 ⁻	3122	19/2 ⁻	
298	3619	(21/2 ⁻ ,23/2 ⁻)	3321	21/2 ⁻	
339	3321	21/2 ⁻	2982	19/2 ⁻	
466	3787	(23/2 ⁻)	3321	21/2 ⁻	
475	3457	23/2 ⁻	2982	19/2 ⁻	
637	3619	(21/2 ⁻ ,23/2 ⁻)	2982	19/2 ⁻	
769	4074	(23/2 ⁻)	3305	19/2 ⁻	E2
802	4876	(27/2 ⁻)	4074	(23/2 ⁻)	E2
870	5746	(31/2 ⁻)	4876	(27/2 ⁻)	E2
921	2982	19/2 ⁻	2061	15/2 ⁻	
943	6689	(35/2 ⁻)	5746	(31/2 ⁻)	E2
978	978	11/2 ⁻	0	7/2 ⁺	
996	7685	(39/2 ⁻)	6689	(35/2 ⁻)	E2
1054	8739	(43/2 ⁻)	7685	(39/2 ⁻)	E2
1061	3122	19/2 ⁻	2061	15/2 ⁻	
1083	2061	15/2 ⁻	978	11/2 ⁻	
1091	4074	(23/2 ⁻)	2982	19/2 ⁻	
1123	4445	(25/2 ⁻)	3321	21/2 ⁻	
1166	3227	19/2 ⁻	2061	15/2 ⁻	
1219	4838	(27/2 ⁻)	3619	(21/2 ⁻ ,23/2 ⁻)	
1244	3305	19/2 ⁻	2061	15/2 ⁻	E2

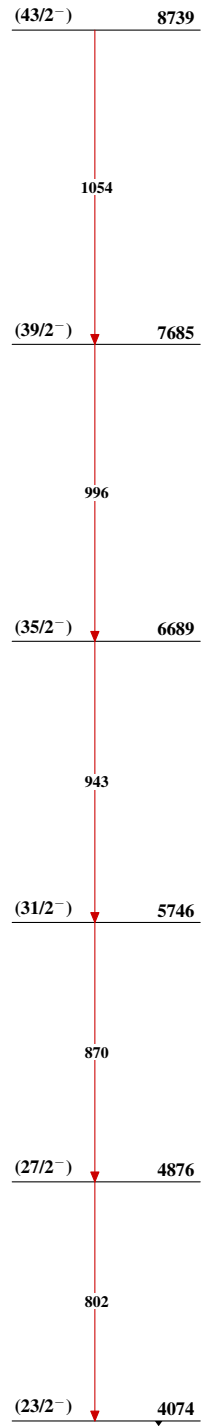
[†] Stretched Q based on DCO. Mult=E2 assumed.

(HI,xn γ) 1995Ga02Level Scheme $^{111}_{50}\text{Sn}_{61}$

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Level Scheme (continued)



(HI,xn γ) 1995Ga02**Band(A): Rotational band
based on ν h $_{11/2}$**  $^{111}_{50}\text{Sn}_{61}$