

$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances **1967Wi01,1965Mc07,1964Va08**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh		NDS 113, 1563 (2012)	28-May-2012

1964Va08:  $^{30}\text{Si}(\alpha,\gamma)$  E=2.1-3.25 MeV.

1965Mc07:  $^{30}\text{Si}(\alpha,\gamma)$  E=3.25-4.25 MeV.

1967Wi01:  $^{30}\text{Si}(\alpha,\gamma)$  and  $(\alpha,n)$  E=3.25-4.95 MeV.

The papers and techniques are interrelated.

All the data are from the paper that reported the level (see the E(level) footnote), except otherwise noted.

 $^{34}\text{S}$  Levels

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	Γ <sub>γ</sub>	(2J+1)Γ <sub>γ</sub> Γ <sub>α</sub> /Γ (eV)	Comments
0.0	0 <sup>+</sup>			
2127.564 <sup>#</sup> 13	2 <sup>+</sup> <sup>#</sup>			
3304.212 <sup>#</sup> 13	2 <sup>+</sup> <sup>#</sup>			
9932 4	1 <sup>-</sup>		0.14	E(α)(lab)=2276 5.
9981 4	1 <sup>-</sup>		0.2	E(α)(lab)=2332 5.
10091 4				E(α)(lab)=2457 5.
10097 4			(0.2)	E(α)(lab)=2463 5.
10140 4				E(α)(lab)=2512 5.
10169 4	1 <sup>-</sup>		0.7	E(α)(lab)=2545 5.
10201 4				E(α)(lab)=2581 5.
10236 4				E(α)(lab)=2621 5.
10248 4	1 <sup>-</sup>		0.9	E(α)(lab)=2635 5.
10316 4	2 <sup>+</sup>		0.4	E(α)(lab)=2712 5.
10385 4				E(α)(lab)=2790 5.
10407 4	2 <sup>+</sup>		0.2	E(α)(lab)=2815 5.
10447 4				E(α)(lab)=2860 5.
10493 4	1 <sup>-</sup>	0.84 eV	2	E(α)(lab)=2913 5.
10528 4				E(α)(lab)=2952 5.
10586 4	1 <sup>-</sup>	>1.3 eV	4	E(α)(lab)=3018 5.
10616 4				E(α)(lab)=3052 5.
10625 4	1 <sup>-</sup>	>0.7 eV	2	E(α)(lab)=3062 5.
10662 4				E(α)(lab)=3104 5.
10670 4	1 <sup>-</sup>	0.73 eV	2	E(α)(lab)=3113 5.
10704 4				E(α)(lab)=3152 5.
10767 4	2 <sup>+</sup>		0.7	E(α)(lab)=3223 5.
10791 4	1 <sup>-</sup>	3 eV	9	E(α)(lab)=3250 5.
				observed by both 1964Va09 and 1965Mc07.
				(2J+1)Γ <sub>γ</sub> Γ <sub>α</sub> /Γ (eV): from 1964Va08.
				(2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=7.2 eV (1965Mc07).
10846 4	3 <sup>-</sup>			E(α)(lab)=3313 5.
				J <sup>π</sup> : from 1967Wi01.
				(2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=2.1 eV (1967Wi01).
10868 4				E(α)(lab)=3338 5.
10895 4				E(α)(lab)=3368 5.
10916 4				E(α)(lab)=3392 5.
10930 4	1 <sup>-</sup>			E(α)(lab)=3408 5.
				J <sup>π</sup> : from 1967Wi01.
				(2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=1.3 eV (1967Wi01).
10994 4	2 <sup>+</sup>			E(α)(lab)=3480 5.
				J <sup>π</sup> : from 1967Wi01.
				(2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=1.5 eV (1967Wi01).
11014 4	2 <sup>+</sup>			E(α)(lab)=3503 5.
				J <sup>π</sup> : from 1967Wi01.
				(2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=0.94 eV (1967Wi01).

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$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances **1967Wi01,1965Mc07,1964Va08** (continued) $^{34}\text{S}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	Γ <sub>γ</sub>	Comments
11025 4	1 <sup>-</sup>	1.7 eV	E(α)(lab)=3515 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=3.9 eV.
11047 4			E(α)(lab)=3540 5.
11087 4	2 <sup>+</sup>	0.2 eV	E(α)(lab)=3586 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.5 eV.
11107 4	3 <sup>-</sup>		E(α)(lab)=3609 5. J <sup>π</sup> : from <b>1967Wi01</b> .
11141 4	1 <sup>-</sup>	2.6 eV	(2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=1.7 eV ( <b>1967Wi01</b> ). E(α)(lab)=3647 5.
11165 4	1 <sup>-</sup>	1.7 eV	(2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=6.2 eV. E(α)(lab)=3674 5.
11179 4			(2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=2.1 eV. E(α)(lab)=3690 5.
11193 4			E(α)(lab)=3706 5.
11220 4	(2 <sup>+</sup> )	0.2 eV	E(α)(lab)=3736 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.2 eV.
11233 4	1 <sup>-</sup>	2.8 eV	E(α)(lab)=3751 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=1.2 eV.
11272 4	2 <sup>+</sup>		E(α)(lab)=3795 5. J <sup>π</sup> : from <b>1967Wi01</b> .
11288 4			(2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=1.6 eV ( <b>1967Wi01</b> ). E(α)(lab)=3814 5.
11314 4	2 <sup>+</sup>	0.08 eV	E(α)(lab)=3843 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.2 eV.
11323 4	1 <sup>-</sup>	2.2 eV	E(α)(lab)=3853 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=3.1 eV.
11357 <sup>@</sup> 4	1 <sup>-</sup>	1.4 eV	E(α)(lab)=3892 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.8 eV ( <b>1965Mc07</b> ). J <sup>π</sup> ,Γ <sub>γ</sub> : from <b>1965Mc07</b> .
11371 <sup>@</sup> 4	3 <sup>-</sup>	1.5 eV	E(α)(lab)=3908 5. Γ <sub>γ</sub> : from <b>1965Mc07</b> . (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.1 eV ( <b>1965Mc07</b> ); (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=2.0 eV ( <b>1967Wi01</b> ).
11380 <sup>@</sup> 4	2 <sup>+</sup>	0.1 eV	E(α)(lab)=3918 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.1 eV ( <b>1965Mc07</b> ).
11398 <sup>@</sup> 4			E(α)(lab)=3938 5.
11405 <sup>@</sup> 4			E(α)(lab)=3946 5.
11419 <sup>@</sup> 4	1 <sup>-</sup>	4.4 eV	E(α)(lab)=3962 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=10.7 eV ( <b>1965Mc07</b> ).
11434 <sup>&amp;</sup> 4			E(α)(lab)=3979 5.
11444 <sup>a</sup> 4			E(α)(lab)=3990 5.
11457 <sup>@</sup> 4	3 <sup>-</sup>		E(α)(lab)=4005 5. (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=2.4 eV.
11473 4	1 <sup>-</sup>		E(α)(lab)=4023 5. (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=1.2 eV.
11489 4	1 <sup>-</sup>	0.6 eV	E(α)(lab)=4042 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.9 eV ( <b>1965MC07</b> ). J <sup>π</sup> ,Γ <sub>γ</sub> : from <b>1965Mc07</b> .
11505 4	(1 <sup>-</sup> )		E(α)(lab)=4060 5. (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=0.74 eV.
11544 4	1 <sup>-</sup>	1.0 eV	E(α)(lab)=4104 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=0.9 eV ( <b>1965MC07</b> ). J <sup>π</sup> ,Γ <sub>γ</sub> : from <b>1965Mc07</b> .
11618 4			E(α)(lab)=4188 5.
11636 <sup>&amp;</sup> 4			E(α)(lab)=4208 5.

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$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances 1967Wi01,1965Mc07,1964Va08 (continued) $^{34}\text{S}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	Γ <sub>γ</sub>	Comments
11642 4	1 <sup>-</sup>	2.3 eV	E(α)(lab)=4215 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=4.7 eV (1965MC07). J <sup>π</sup> ,Γ <sub>γ</sub> : from 1965Mc07.
11669 & 4			E(α)(lab)=4246 5.
11711 4	1 <sup>-</sup>		E(α)(lab)=4293 5. (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=0.63 eV.
11751 & 4			E(α)(lab)=4338 5.
11789 4			E(α)(lab)=4382 5.
11849 @ 4			E(α)(lab)=4450 5.
11858 4			E(α)(lab)=4460 5.
11866 @ 4			E(α)(lab)=4469 5.
11878 4			E(α)(lab)=4482 5.
11908 4			E(α)(lab)=4516 5.
11921 <sup>a</sup> 4	(3 <sup>-</sup> )		E(α)(lab)=4531 5. (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=2.1 eV.
11931 4	1 <sup>-</sup>		E(α)(lab)=4543 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=5.2 eV.
11956 4	3 <sup>-</sup>		E(α)(lab)=4571 5. (2J+1)Γ <sub>γ1</sub> Γ <sub>α</sub> /Γ=1.9 eV.
11978 4			E(α)(lab)=4596 5.
12033 4	1 <sup>-</sup>		E(α)(lab)=4658 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=2.1 eV.
12062 4			E(α)(lab)=4691 5.
12076 4			E(α)(lab)=4707 5.
12099 4	1 <sup>-</sup>		E(α)(lab)=4733 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=1.5 eV.
12136 & 4			E(α)(lab)=4775 5.
12150 & 4			E(α)(lab)=4791 5.
12164 4			E(α)(lab)=4807 5.
12172 4			E(α)(lab)=4816 5.
12193 4	1 <sup>-</sup>		E(α)(lab)=4840 5. (2J+1)Γ <sub>γ0</sub> Γ <sub>α</sub> /Γ=3.5 eV.
12223 4			E(α)(lab)=4874 5.
12242 4			E(α)(lab)=4895 5.
12255 4			E(α)(lab)=4910 5.
12270 4			E(α)(lab)=4927 5.
12280 4			E(α)(lab)=4938 5.

<sup>†</sup> For E(level)<10791 from 1964Va08; for 10791≤E(level)<11357 from 1965Mc07; for E(level)≥11357 from 1967Wi01.

<sup>‡</sup> Based on angular distributions of transitions to g.s., or angular correlations for transitions to 2128 first excited level, or 3304 second excited level (of the primary γ ray with secondary 2129γ and 3304γ respectively). Since only states with natural parity can be excited by this reaction the parity is determined by J.

# From 1985Ra15 ( $^{33}\text{S}(n,\gamma)$  E=thermal dataset).

@ Below (α,n) threshold (1967Wi01).

& (α,n) only (1967Wi01).

<sup>a</sup> (α,γ) only (1967Wi01).

$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances **1967Wi01,1965Mc07,1964Va08** (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	$E_f$	$J_f^\pi$	Mult.#	$\gamma(^{34}\text{S})$		Comments
							$\delta^\oplus$		
9932	1 <sup>-</sup>	7803	30	2127.564	2 <sup>+</sup>				
		9930	100	0.0	0 <sup>+</sup>	E1			
9981	1 <sup>-</sup>	x	>0						
		7852	100	2127.564	2 <sup>+</sup>				
		9979	40	0.0	0 <sup>+</sup>	E1			
10097		x	>0						
		7968	100	2127.564	2 <sup>+</sup>				
		10095	<10	0.0	0 <sup>+</sup>				
10169	1 <sup>-</sup>	8040	100	2127.564	2 <sup>+</sup>				
		10167	30	0.0	0 <sup>+</sup>	E1			
10248	1 <sup>-</sup>	8119	100	2127.564	2 <sup>+</sup>				
		10246	20	0.0	0 <sup>+</sup>	E1			
10316	2 <sup>+</sup>	8187	100	2127.564	2 <sup>+</sup>				
		10314	40	0.0	0 <sup>+</sup>	E2			
10407	2 <sup>+</sup>	8278	100	2127.564	2 <sup>+</sup>				
		10405	100	0.0	0 <sup>+</sup>	E2			
10493	1 <sup>-</sup>	8364	<10	2127.564	2 <sup>+</sup>				
		10491	100	0.0	0 <sup>+</sup>	E1			
10586	1 <sup>-</sup>	x	>0						
		7281	100	3304.212	2 <sup>+</sup>	E1			
		8457	60	2127.564	2 <sup>+</sup>				
10625	1 <sup>-</sup>	x	>0						
		8496	100	2127.564	2 <sup>+</sup>				
		10623	100	0.0	0 <sup>+</sup>	E1			
10670	1 <sup>-</sup>	7365	100	3304.212	2 <sup>+</sup>	E1			
		8541	30	2127.564	2 <sup>+</sup>				
		10668	<10	0.0	0 <sup>+</sup>				
10767	2 <sup>+</sup>	8638	100	2127.564	2 <sup>+</sup>	M1+E2	+0.3	$\delta$ : from 1964Va08.	
		10765	<10	0.0	0 <sup>+</sup>				
10791	1 <sup>-</sup>	7486	5	3304.212	2 <sup>+</sup>				
		8662	20	2127.564	2 <sup>+</sup>				
		10789	100	0.0	0 <sup>+</sup>	E1			
10846	3 <sup>-</sup>	8717		2127.564	2 <sup>+</sup>	E1+M2	-0.024 17	$A_2=-0.289$ ; $A_4=-0.039$ (1967Wi01) Mult.: from 1967Wi01.	
10930	1 <sup>-</sup>	8801		2127.564	2 <sup>+</sup>	E1+M2	+0.154 17	$A_2=+0.099$ ; $A_4=-0.042$ (1967Wi01) Mult.: from 1967Wi01.	
10994	2 <sup>+</sup>	8865		2127.564	2 <sup>+</sup>	M1+E2	+0.078 32	$A_2=+0.339$ ; $A_4=+0.001$ (1967Wi01) Mult.: from 1967Wi01.	
11014	2 <sup>+</sup>	8885		2127.564	2 <sup>+</sup>	M1+E2	-0.52 22	$A_2=+0.645$ ; $A_4=-0.068$ (1967Wi01) Mult.: from 1967Wi01.	
11025	1 <sup>-</sup>	7720	17	3304.212	2 <sup>+</sup>				
		8896	14	2127.564	2 <sup>+</sup>				
		11023	100	0.0	0 <sup>+</sup>	E1			
11087	2 <sup>+</sup>	7782	47	3304.212	2 <sup>+</sup>				
		8958	44	2127.564	2 <sup>+</sup>				
		11085	100	0.0	0 <sup>+</sup>	E2			
11107	3 <sup>-</sup>	8978		2127.564	2 <sup>+</sup>	E1+M2	+0.062 1	$A_2=-0.457$ ; $A_4=-0.029$ (1967Wi01) Mult.: from 1967Wi01.	
11141	1 <sup>-</sup>	7836	9	3304.212	2 <sup>+</sup>				
		9012	18	2127.564	2 <sup>+</sup>				
		11139	100	0.0	0 <sup>+</sup>	E1			
11165	1 <sup>-</sup>	7860	130	3304.212	2 <sup>+</sup>				
		9036	17	2127.564	2 <sup>+</sup>				
		11163	100	0.0	0 <sup>+</sup>	E1			
11220	(2 <sup>+</sup> )	x	1300						

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$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances **1967Wi01,1965Mc07,1964Va08** (continued) $\gamma(^{34}\text{S})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	$E_f$	$J_f^\pi$	Mult.#	$\delta^\oplus$	Comments
11220	(2 <sup>+</sup> )	7915	130	3304.212	2 <sup>+</sup>			
		9091	150	2127.564	2 <sup>+</sup>			
		11218	100	0.0	0 <sup>+</sup>	E2		
11233	1 <sup>-</sup>	7928	410	3304.212	2 <sup>+</sup>			
		9104	15	2127.564	2 <sup>+</sup>			
		11231	100	0.0	0 <sup>+</sup>	E1		
11272	2 <sup>+</sup>	9143		2127.564	2 <sup>+</sup>	M1+E2	+0.18 15	$A_2=+0.188$ ; $A_4=+0.025$ (1967Wi01) Mult.: from 1967Wi01.
11314	2 <sup>+</sup>	8009	67	3304.212	2 <sup>+</sup>			
		9185	38	2127.564	2 <sup>+</sup>			
		11312	100	0.0	0 <sup>+</sup>	E2		
11323	1 <sup>-</sup>	8018	48	3304.212	2 <sup>+</sup>			
		9194	65	2127.564	2 <sup>+</sup>			
		11321	100	0.0	0 <sup>+</sup>	E1		
11357	1 <sup>-</sup>	8052	280	3304.212	2 <sup>+</sup>			
		9228	49	2127.564	2 <sup>+</sup>			
		11355	100	0.0	0 <sup>+</sup>	E1		Mult.: from 1965Mc07.
11371	3 <sup>-</sup>	8066	740	3304.212	2 <sup>+</sup>			
		9242	1700	2127.564	2 <sup>+</sup>	E1+M2	+0.022 6	$A_2=-0.400$ ; $A_4=+0.007$
		11369	100	0.0	0 <sup>+</sup>	[E3]		
11380	2 <sup>+</sup>	x	700					
		8075	270	3304.212	2 <sup>+</sup>			
		9251	890	2127.564	2 <sup>+</sup>			
		11378	100	0.0	0 <sup>+</sup>	E2		
11419	1 <sup>-</sup>	8114	5	3304.212	2 <sup>+</sup>			
		9290	19	2127.564	2 <sup>+</sup>			
		11417	100	0.0	0 <sup>+</sup>	E1		
11457	3 <sup>-</sup>	9328		2127.564	2 <sup>+</sup>	E1+M2	+0.037 2	$A_2=-0.405$ ; $A_4=-0.043$
11473	1 <sup>-</sup>	9344		2127.564	2 <sup>+</sup>	E1+M2	-0.13 7	$A_2=-0.242$ ; $A_4=-0.020$
11489	1 <sup>-</sup>	x	1300					$I_\gamma$ : from 1965Mc07.
		8184	56	3304.212	2 <sup>+</sup>			$E_\gamma, I_\gamma$ : from 1965Mc07.
		9360	46	2127.564	2 <sup>+</sup>			$E_\gamma, I_\gamma$ : from 1965Mc07.
		11487	100	0.0	0 <sup>+</sup>	E1		$E_\gamma, I_\gamma, \text{Mult.}$ : from 1965Mc07.
11505	(1 <sup>-</sup> )	9376		2127.564	2 <sup>+</sup>	E1+M2	-0.058 16	$A_2=-0.127$ ; $A_4=-0.068$
11544	1 <sup>-</sup>	x	2600					$I_\gamma$ : from 1965Mc07.
		8239	160	3304.212	2 <sup>+</sup>			$E_\gamma, I_\gamma$ : from 1965Mc07.
		9415	96	2127.564	2 <sup>+</sup>			$E_\gamma, I_\gamma$ : from 1965Mc07.
		11542	100	0.0	0 <sup>+</sup>	E1		$E_\gamma, I_\gamma, \text{Mult.}$ : from 1965Mc07.
11642	1 <sup>-</sup>	x	750					$I_\gamma$ : from 1965Mc07.
		8337	20	3304.212	2 <sup>+</sup>			$E_\gamma, I_\gamma$ : from 1965Mc07.
		9513	25	2127.564	2 <sup>+</sup>			$E_\gamma, I_\gamma$ : from 1965Mc07.
		11640	100	0.0	0 <sup>+</sup>	E1		$E_\gamma, I_\gamma, \text{Mult.}$ : from 1965Mc07.
11711	1 <sup>-</sup>	9582		2127.564	2 <sup>+</sup>	E1+M2	-0.080 80	$A_2=-0.195$ ; $A_4=-0.022$
11921	(3 <sup>-</sup> )	9792		2127.564	2 <sup>+</sup>	E1		$A_2=-0.321$ ; $A_4=-0.080$ $\delta$ : +0.005 21.
11931	1 <sup>-</sup>	11929		0.0	0 <sup>+</sup>	E1		
11956	3 <sup>-</sup>	9827		2127.564	2 <sup>+</sup>	E1+M2	+0.031 4	$A_2=-0.420$ ; $A_4=-0.009$
12033	1 <sup>-</sup>	12031		0.0	0 <sup>+</sup>	E1		
12099	1 <sup>-</sup>	12097		0.0	0 <sup>+</sup>	E1		
12193	1 <sup>-</sup>	12191		0.0	0 <sup>+</sup>	E1		

† Deduced by evaluators from level differences (including recoil correction).

‡ Relative photon branching from each level.

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${}^{30}\text{Si}(\alpha,\gamma),(\alpha,\text{n}):$ resonances [1967Wi01](#),[1965Mc07](#),[1964Va08](#) (continued)

$\gamma({}^{34}\text{S})$  (continued)

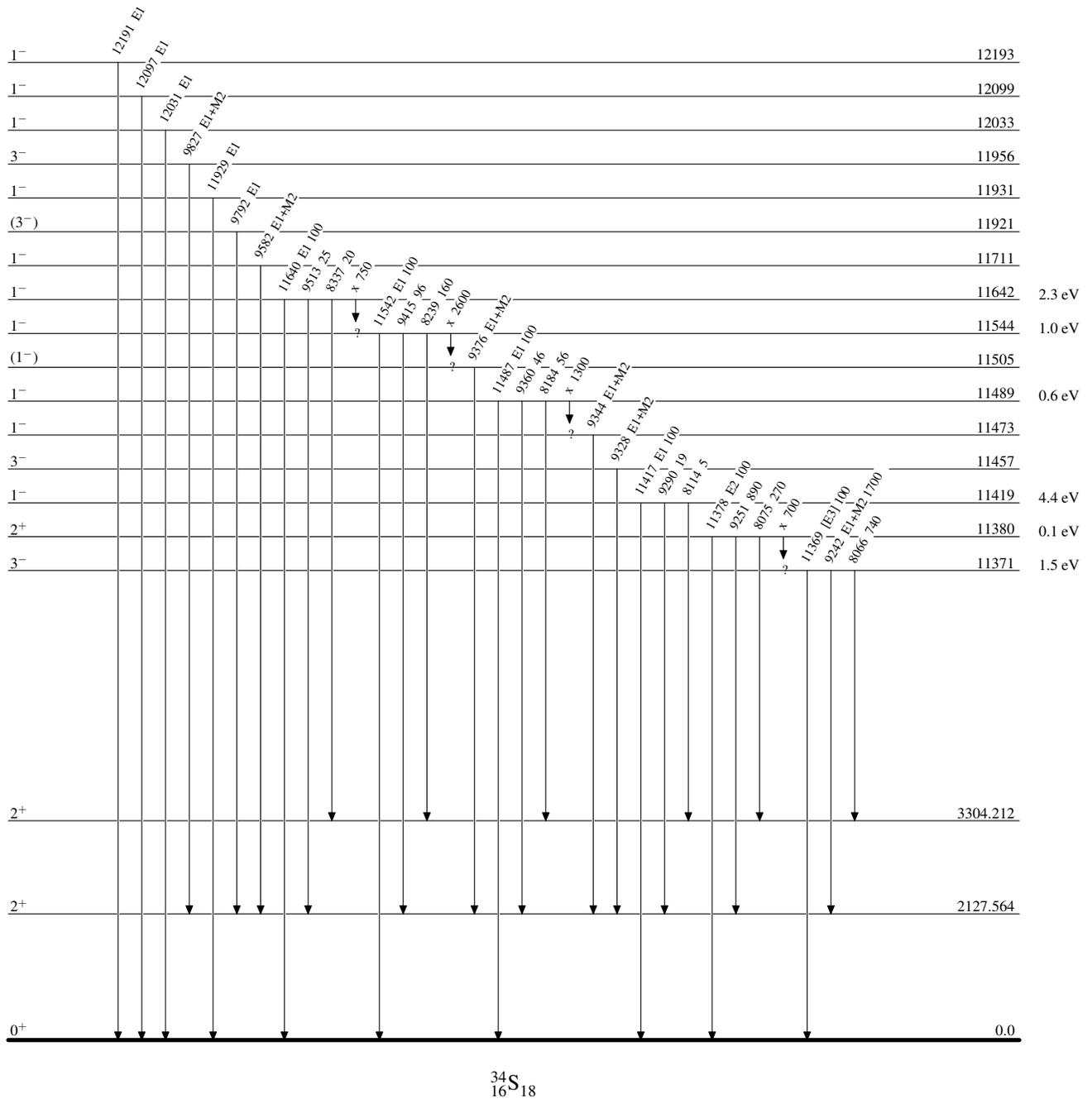
# ADOPTED by evaluators based on measured angular distributions and correlations (the authors did not give multipolarities out of the measurements).

@ From [1967Wi01](#), except whether noted otherwise.

$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances 1967Wi01,1965Mc07,1964Va08

## Level Scheme

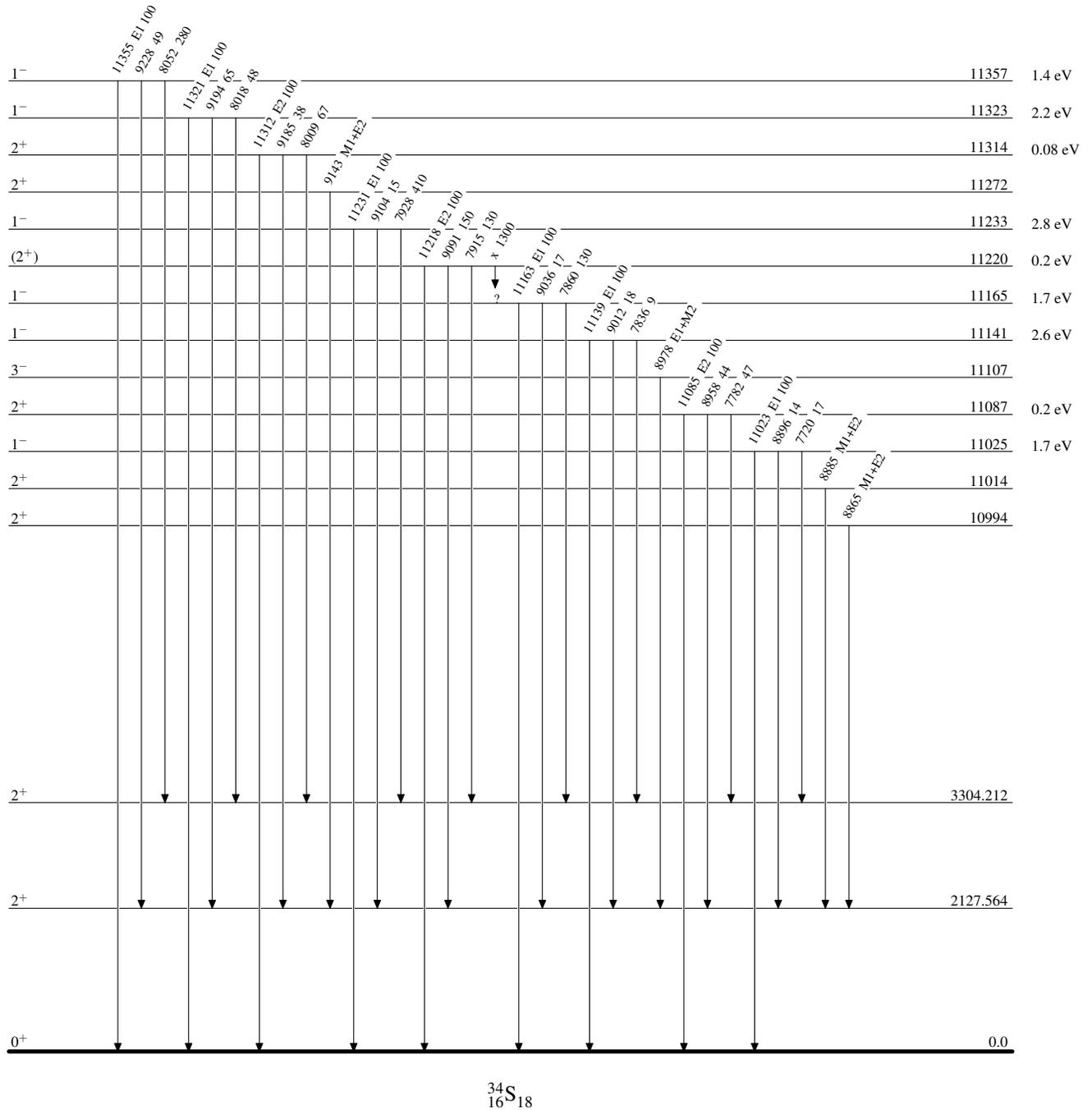
Intensities: Relative photon branching from each level

 $^{34}_{16}\text{S}_{18}$

$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances 1967Wi01,1965Mc07,1964Va08

## Level Scheme (continued)

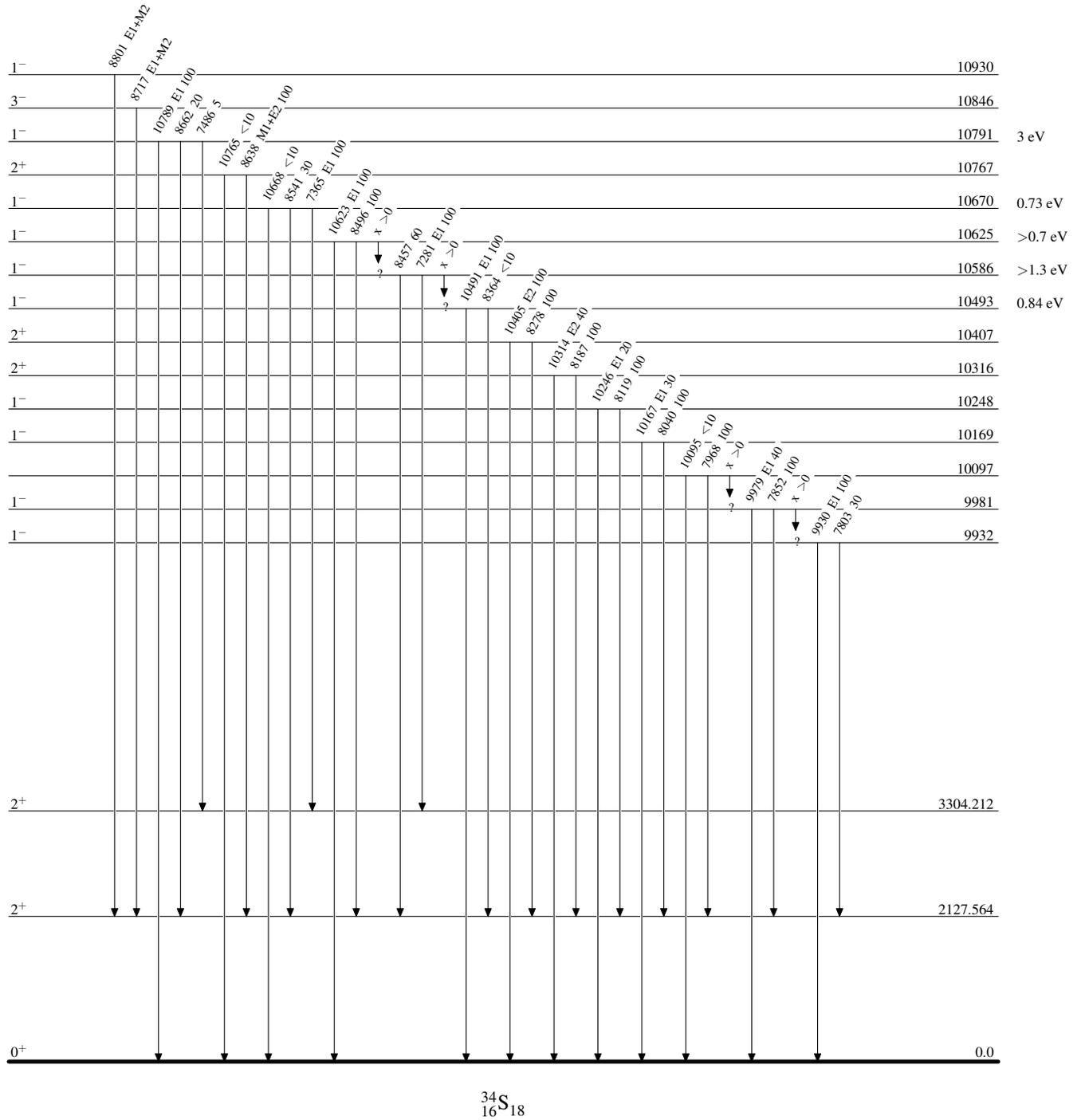
Intensities: Relative photon branching from each level



$^{30}\text{Si}(\alpha,\gamma),(\alpha,n)$ :resonances 1967Wi01,1965Mc07,1964Va08

## Level Scheme (continued)

Intensities: Relative photon branching from each level

 $^{34}_{16}\text{S}_{18}$