

$^2\text{H}(^{20}\text{Ne},\text{p}\gamma)$ **1977Gr06**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 127, 1 (2015)	15-Jan-2015

 $^2\text{H}(^{20}\text{Ne},\text{p}\gamma)$, E=21 MeV.Measured $\text{p}\gamma(\theta)$, DSA. ^{21}Ne Levels

E(level)	$T_{1/2}$
0	
351.0 3	7 ps +11-4
1747.4 5	59 fs 5
2789.9 5	>35 ps
2797.0 7	7 fs 3
2867 1	35 fs 8
3663.4 8	69 fs 10
3883.0 7	31 fs 6
4684 1	11 fs 3
4729.7 9	7 fs 3

 $\gamma(^{21}\text{Ne})$

E_γ	I_γ	$E_i(\text{level})$	E_f	Mult. [†]	δ
351.0 3	100	351.0	0	M1+E2	-0.074 4
873.5 6		3663.4	2789.9		
1120 1	64 3	2867	1747.4	M1+E2	-0.08 2
1396.4 4	95 1	1747.4	351.0	M1+E2	-0.14 2
1747.5	5 1	1747.4	0	E2(+M3)	-0.03 4
1887 1	4 2	4684	2797.0	(M1)	
1932.7 6	20 2	4729.7	2797.0	E1	
2438.9 4		2789.9	351.0		
2516 1	36 3	2867	351.0	E2	
2797.0 7	100	2797.0	0	M1	
3532.0 7		3883.0	351.0		
3883 1		3883.0	0		
4333 1	60 2	4684	351.0	M1	
4379 1	80 2	4729.7	351.0	E1	
4684 1	36 2	4684	0	M1	

[†] Parity of dipole assumed from adopted level J^π .

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Level Scheme

Intensities: Type not specified

Legend

- $\longrightarrow$ $I_\gamma < 2\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma < 10\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma > 10\% \times I_\gamma^{\max}$

