

Adopted Levels 1998Ti06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. R. Tilley, C. Cheves, J. Kelley, S. Raman, H. Weller		NP A636,249 (1998)	21-Apr-1997

$Q(\beta^-) = -1.071 \times 10^4$ 3; S(n)=14150 11; S(p)=2190.4 12; $Q(\alpha) = -6255$ 9 [2012Wa38](#)

Note: Current evaluation has used the following Q record -10726 28 14155 14 2195 7 -6260. 10 [1997Au04](#).

See other reaction references in [1998Ti06](#).

 ^{20}Na LevelsCross Reference (XREF) Flags

- A ^{20}Mg β^+ decay
- B $^{20}\text{Ne}(p,n)$
- C $^{20}\text{Ne}(^3\text{He},t)$

E(level)	J^π	$T_{1/2}$	XREF	Comments
0.0	2 ⁺	447.9 ms 23	BC	$\% \varepsilon = 100$; $\% \varepsilon \alpha = 20.05$ 20 T=1; $\mu = +0.3694$ 2 (1989Ra17) $T_{1/2}$: Weighted av: 442 ms 5(1971Go18), 446 ms 8(1972Mo08), 448 ms 4(1972To08), 452 ms 4(1989Cl02).
596.8	3 ⁺		BC	
802.7	4 ⁺		BC	
984.25 10	1 ⁺		ABC	
1346.8	2 ⁻		BC	
1837.7	2 ⁻		BC	
1992.8	3 ⁻		BC	
2057.12	3 ⁺		C	
2645.6	(1 ⁺)		BC	$\%IT = ?$; $\%p = ?$
2849.6	3 ⁺		BC	
2983.7	≥ 3		C	
3001.2	1 ⁺	19.8 keV 2	A	$\%p = ?$
3067.2	(0 ⁺)		BC	
3086.2	0 ⁺	35.9 keV 2		$\%p = ?$
3315.9			C	
3642.16	(2,3,4) ⁻		BC	
3871.9	1 ⁺		ABC	$\%p = ?$
4123.16	1 ⁺		A	$\%p = ?$
4150.60	(4,2 ⁻)		C	
4560.60	(2)		C	
≈ 4800 .	1 ⁺		A	$\%p = ?$
5170.60			C	
≈ 5600 .	1 ⁺		A C	
6266.30	1 ⁺		A	$\%p = ?$
6534.13	0 ⁺		A	$\%p = ?$