

Energetics and Dynamics of the Low-Lying Electronic States of Constrained Polyenes: Implications for Infinite Polyenes

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 Supporting Information

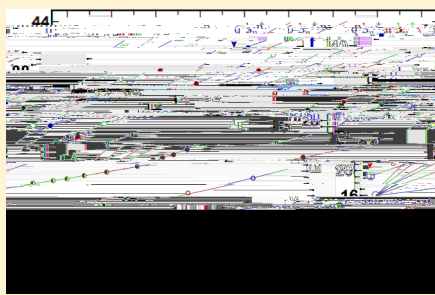
5-23

(). T

¹B⁺ ¹A⁻

15 900 ± 100

(~9000 ⁻¹)



$1^1A^- \rightarrow 1^1B^+$ ~ 1400 $^{-1}$
 $N = 7-11$ (\dots 2). \mathbf{T}
 $1^1A^- \rightarrow 2^1A^-$ $12-14$

..., $1^1B^+ \rightarrow n^1A^-$... A ... ,

(~840 ... N = 7; ~1400

N = 19). T

1^1B^+ (90-180) AD

(T - 1). T $1^1A^- \rightarrow 1^1B^+$ (0-0)

$1^1B^+ \rightarrow n^1A^-$

n^1A^-

T

(... 2).

T

(~100x)

26

7. $2^1A^- \rightarrow 1^1B^+$

7. C $2^1A^- \rightarrow 1^1B^+ (0-2)$ $N = 7$

$1^1A^- \rightarrow 1^1B^+ (0-2)$ $N = 7$

$18\ 800 \pm 90$ $^{-1}$ (532). 2^1A^-

(19 900 $^{-1}$, 503). T $1 \rightarrow 0$ 1000 $^{-1}$

(...). T 5 6 $N = 7$

$1 \rightarrow 0 (0-0)$,

77 $2^1A^- \rightarrow 1^1B^+$

7. $N = 7$

~ 8500 $^{-1}$ $N = 7-19$

(0-2) $2^1A^- \rightarrow 1^1B^+$

C $2^1A^- \rightarrow 1^1B^+ (0-2)$ 2^1A^-

$1^1A^- \rightarrow 1^1B^+$ T 2. A 7 ,

$1^1B^+ - 2^1A^-$ (5900 \pm

200 $^{-1}$) $N = 7-19$

(5800 \pm 300 $^{-1}$) $N = 5$,

(... $1^1B^+ - 2^1A^-$ (

~ 4500 $^{-1}$

$2^1A^- \rightarrow 1^1B^+$

$27,57,71$

T (7000-11 000

$^{-1}$)

$2^1A^- \rightarrow 1^1B^+$

((0-0) ...).

7.

77 $N =$

N = 19

$\beta^- = 2000 \text{ s}^{-1}$ (92434491T /) 61467006.71

$2^1A^- \rightarrow n^1B^+$
 $2^1A^- \rightarrow 1^1B^+$
 2^1A^-
 12
 (N = 9-13) (N = 7-
 19). T 2^1A^-
 (~2000 s^{-1}) N. T
 2^1A^-
 6.1 N = 11, $\tau_1 = 4.5$ $\tau_1 =$
 (13)

N.
 2^1A^-
 T (N = 9-19). β^-
) 2^1A^- N = 15 (T = 4,

1. The first part of the document is a list of the names of the members of the committee, followed by their respective titles and positions.



- (95) ...; C ...; B ...; B. ...
... A. J. Phys. Chem. A ... 101, 2023–2032.
- (96) ...; A; ...; T; ...
... Chem. Phys. ... 232, 161–174.
- (97) A ...; D; C ...
... Chem. Phys. ... 373, 115–121.
- (98) B ...; -A ...
... Biochemistry ... 41, 4127–4136.
- (99) ...; D. ...; B. ...
D. J. Chem. Phys. ... 91, 6691–6697.