

$0_0^0$   $\tilde{X}^2\Sigma^+$

—  $\text{C}_2\text{H}^-$  PES  
—  $\Sigma$  Symmetry  
—  $\Pi$  Symmetry

$\tilde{A}^2\Pi$

a

b

c

d

e

$2_1^1$

$2_0^1$

$3_0^1$

$2_0^1 3_0^1$

$2_0^3 3_0^1$

0

1000

2000

3000

4000

Wavenumber ( $\text{cm}^{-1}$ )

