GROUP II: Molecules and Radicals

VOLUME 20
Molecular Constants Mostly from Infrared Spectroscopy

SUBVOLUME B7
Linear Triatomic Molecules - HCC+, HCC+, CCO, CCO, CCS, CCC, CCC++

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Introduction

I  Energy level designations
II  Effective Hamiltonians
III  Formulas for determining rotational constants
IV  Potential energy function (PEF)
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VIII Some functional relations specially applicable to the molecular constants of CO₂
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1 - 59 HBCl⁺ - CCH (See Vols. 20B1 - 20B6)

<p>| 60 | CCH⁺ | 1 |
| 60.1 | H¹²C¹²C⁻ | 1 |
| 60.2 | D¹²C¹²C⁻ | 10 |
| 60.3 | D¹³C¹³C⁻ | 12 |
| 61 | CCH⁺ | 13 |
| 62 | CCO⁻ | 14 |
| 63 | CCO | 18 |
| 63.1 | ¹²C¹²C¹⁶O | 18 |
| 63.2 | ¹²C¹²C¹⁸O | 35 |
| 63.3 | ¹²C¹³C¹⁶O | 35 |
| 63.4 | ¹³C¹²C¹⁶O | 36 |
| 64 | CCS | 37 |
| 64.1 | ¹²C¹²C³²S | 37 |
| 64.2 | ¹²C¹²C³⁴S | 40 |
| 64.3 | ¹²C¹³C³⁵S | 40 |
| 64.4 | ¹³C¹²C³²S | 41 |
| 64.5 | ¹³C¹³C³²S | 42 |</p>
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Linear Triatomic Molecules: C2H- (HCC-), C2H+ (HCC+), C2O- (CCO-), C2O (CCO), C2S (CCS), C3 (CCC), C3++ (CCC++)

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