THE ACETYLENE SAGA: A JOURNEY INTO HRMS

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A significant part of the activity at ULB over previous years was devoted to the modeling at instrumental measurement accuracy of the vibration-rotation energy states in acetylene over a wide energy range, i.e. from 0 up to 8900 cm\(^{-1}\). The results of this successful, long range research will be presented in a broader context, also insisting on new research trends still under development. This saga will be embedded into a more historical perspective highlighting relevant names and research trends concerning not only acetylene but also high resolution molecular spectroscopy in general.