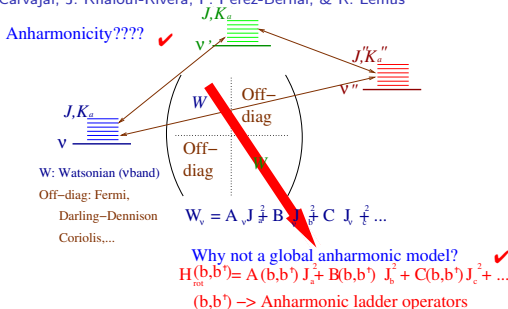


P5316: Global rovibrational analysis for the 20 lowest vibrational bands of hydrogen sulfide (H_2^{32}S), M. Carvajal, J. Khalouf-Rivera, F. Pérez-Bernal, & R. Lemus



M. Carvajal & R. Lemus, *J. Phys. Chem. A* 119 (2015) 12823

PRELIMINARY RESULTS WITH THIS ALGEBRAIC APPROACH:

- 20 vibrational bands up to $P=5$.
- Available 2522 experimental rovibrational energy levels.
- 8800 predicted rovibrational energies.
- Only 214 fitted parameters

With a **standard** approach, **382 fitted** parameters (plus **159 fixed**) are needed for the analysis of all the available experimental $P=0-5$ data.