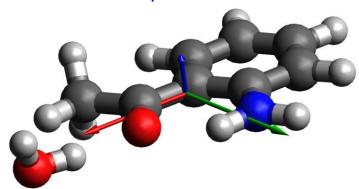
## P5493:

### ROTATIONAL SPECTRUM OF 2-AMINOACETOPHENONE AND ITS 1:1 WATER COMPLEX

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# complex



No  $\mu_c$ -type transitions  $M_{cc}$  2.2 (uÅ<sup>2</sup>) all monosubstituted <sup>13</sup>C

isotopologues at natural abundance

#### Methods

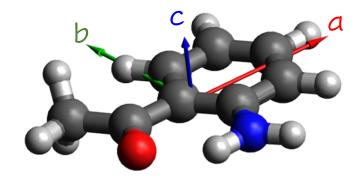
- Chirped Pulse Fourier Transform microwave spectroscopy (2-8 GHZ)
  - DFT method -> B3LYP/def2-TZVP

#### Main results

- Cs symmetry both for monomer and complex
- intramolecular HB responsible for the planarity

of amino group differently from what observed for aniline

### monomer



No  $\mu_c$ -type transitions  $M_{cc}$  1.8 (uÅ<sup>2</sup>) all monosubstituted <sup>13</sup>C and <sup>15</sup>N isotopologues at natural abundance

