$C_{2\mathrm{v}}$-TOP INTERNAL ROTATION IN THE HIGH-RESOLUTION UV SPECTRA OF WEAKLY BOUND COMPLEXES: II. APPLICATIONS.[a]

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The model of a $C_{2\mathrm{v}}$ top – C_{s} frame internal rotation discussed in Part I has been used in the analysis of rotationally resolved $S_1 \leftarrow S_0$ fluorescence excitation spectra of three different complexes; aniline–N_2, *para*-difluorobenzene–N_2, and benzonitrile–H_2O. The results of the internal rotation analysis as well as the structure determination will be presented and the limits of the applied model will be discussed.

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