Supporting Online Material

The supporting on-line material contains the rovibronic spectra of the vibronic bands at 480, 539, 718, 720, 737, 909, 910 and 968 cm^{-1} above the electronic origin at 35231.4 cm^{-1}.

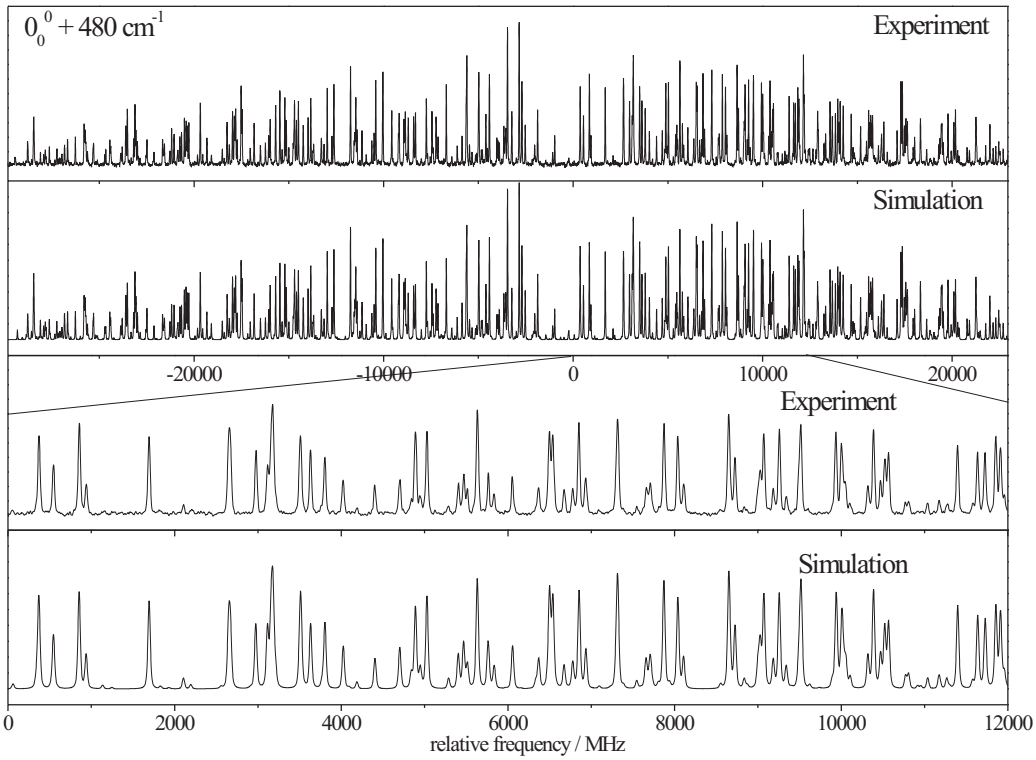

Figure S1: Rotationally resolved spectrum of the 480 cm^{-1} band, along with a simulation of the spectrum using the best-fit parameters from an ES fit, given in Table 1 of the paper.

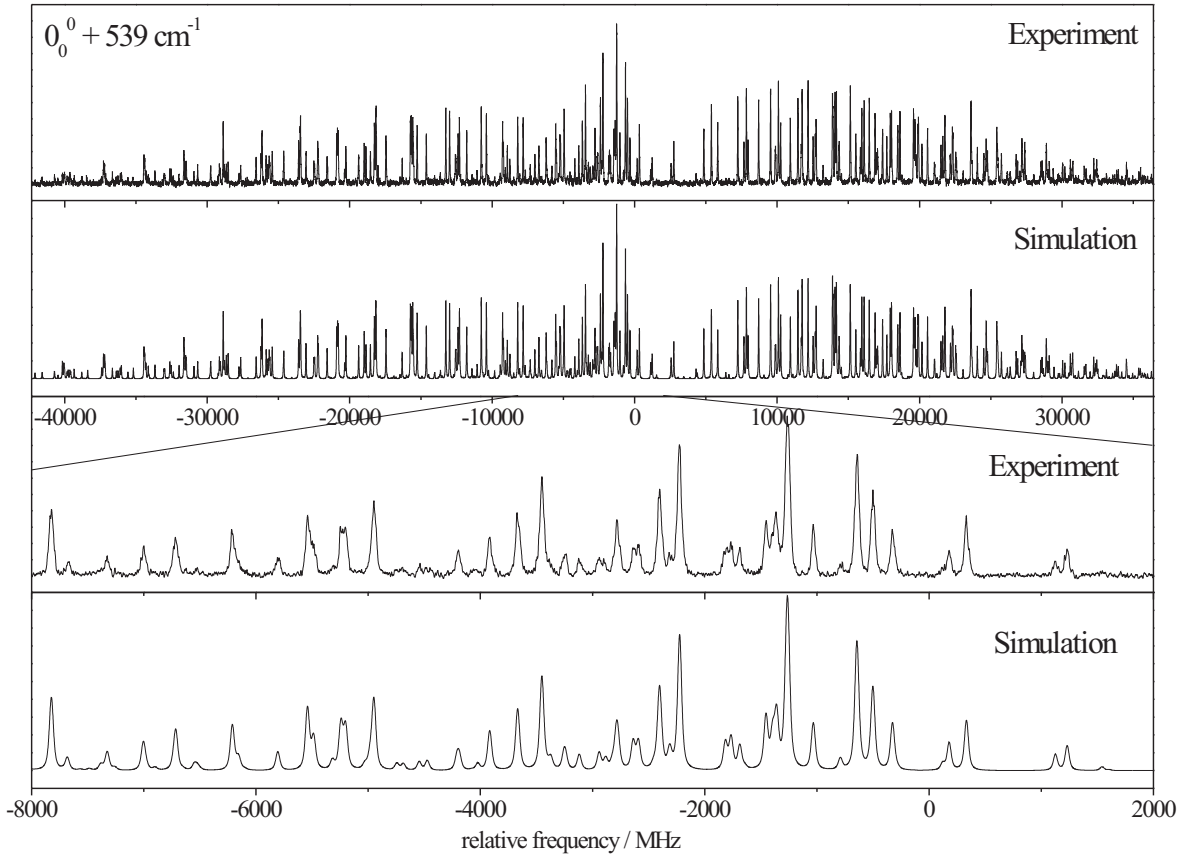

Figure S2: Rotationally resolved spectrum of the 539 cm^{-1} band, along with a simulation of the spectrum using the best-fit parameters from an ES fit, given in Table 1 of the paper.

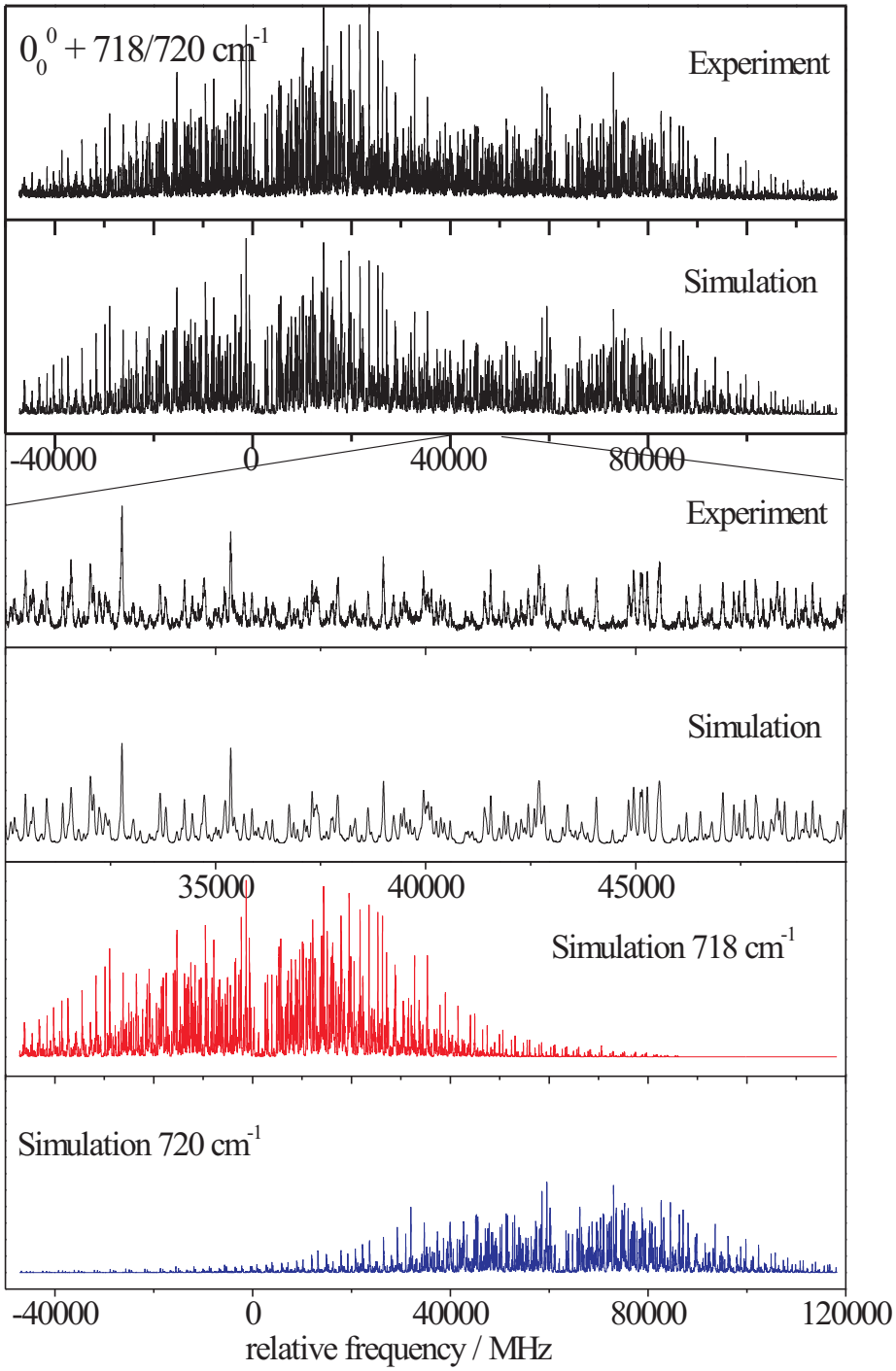

Figure S3: Rotationally resolved spectrum of the two bands at 718 cm^{-1} and 720 cm^{-1}, along with a simulation of the spectra using the best-fit parameters from an ES fit, given in Table 1 of the paper. In the two bottommost traces the individual simulations of the two vibronic bands that constitute the overall simulation in the second row are shown.

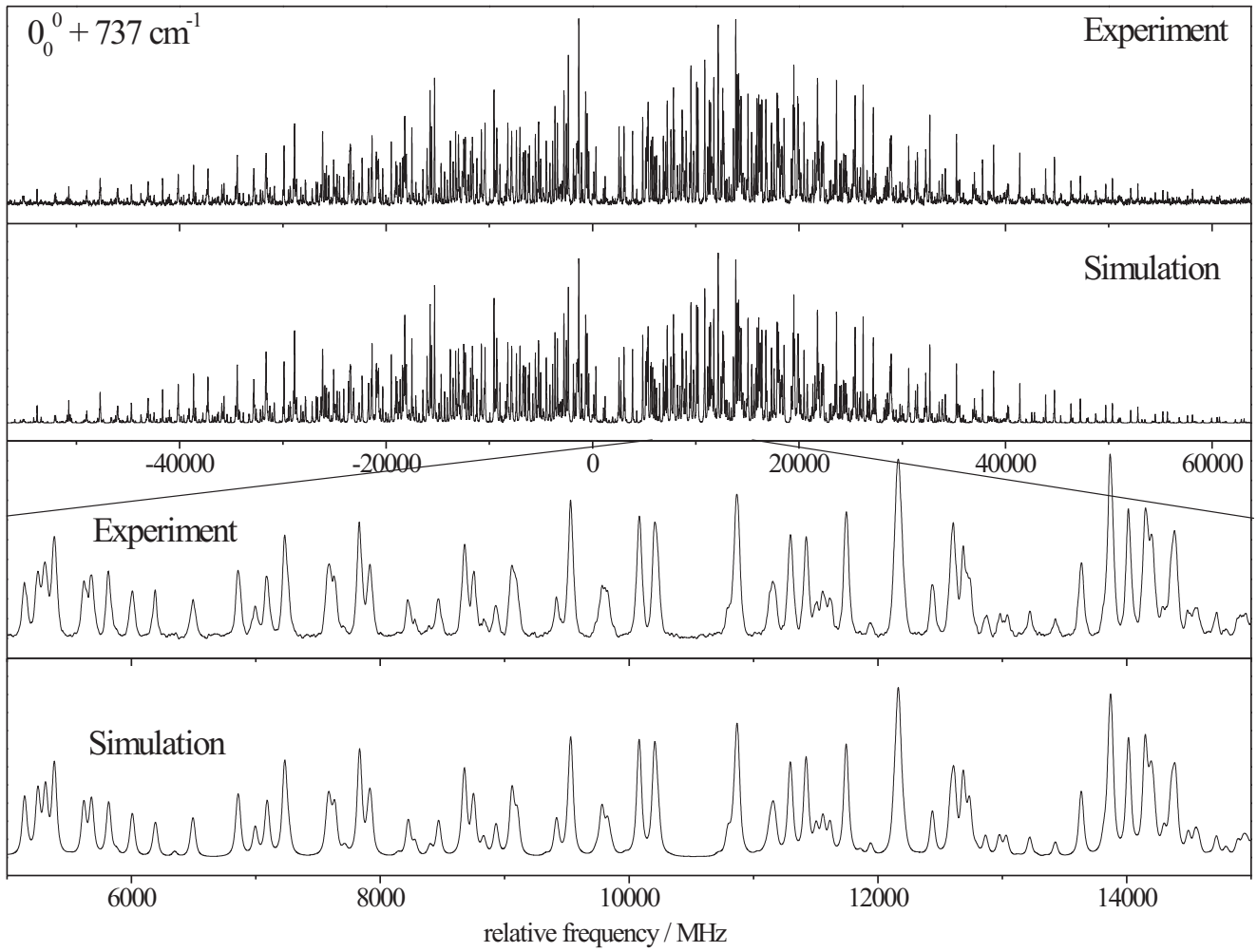

Figure S4: Rotationally resolved spectrum of the 737 cm^{-1} band, along with a simulation of the spectrum using the best-fit parameters from an ES fit, given in Table 1 of the paper.

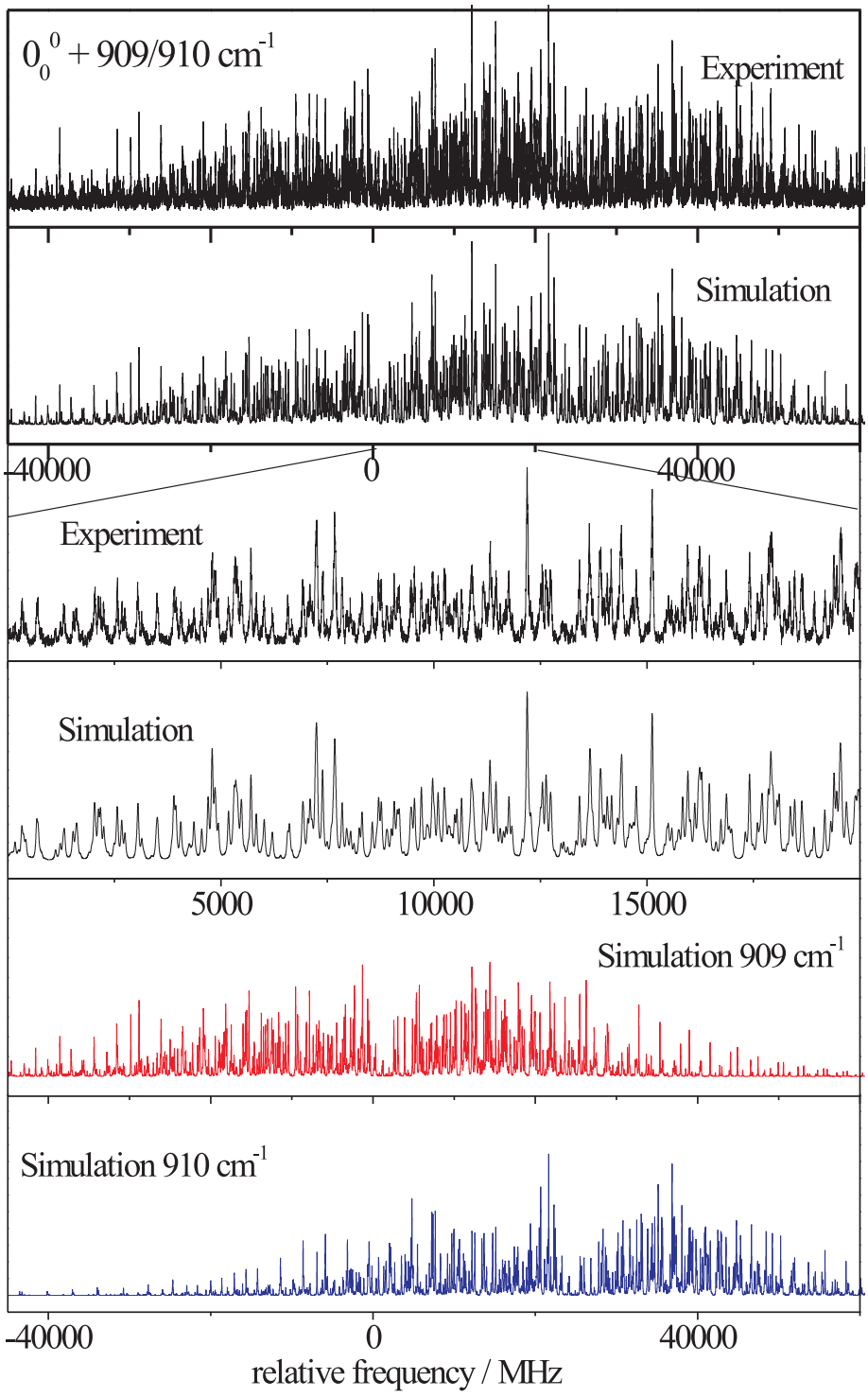

Figure S5: Rotationally resolved spectrum of the two bands at 907 cm^{-1} and 908 cm^{-1}, along with a simulation of the spectra using the best-fit parameters from an ES fit, given in Table 1 of the paper. In the two bottommost traces the individual simulations of the two vibronic bands that constitute the overall simulation in the second row are shown.

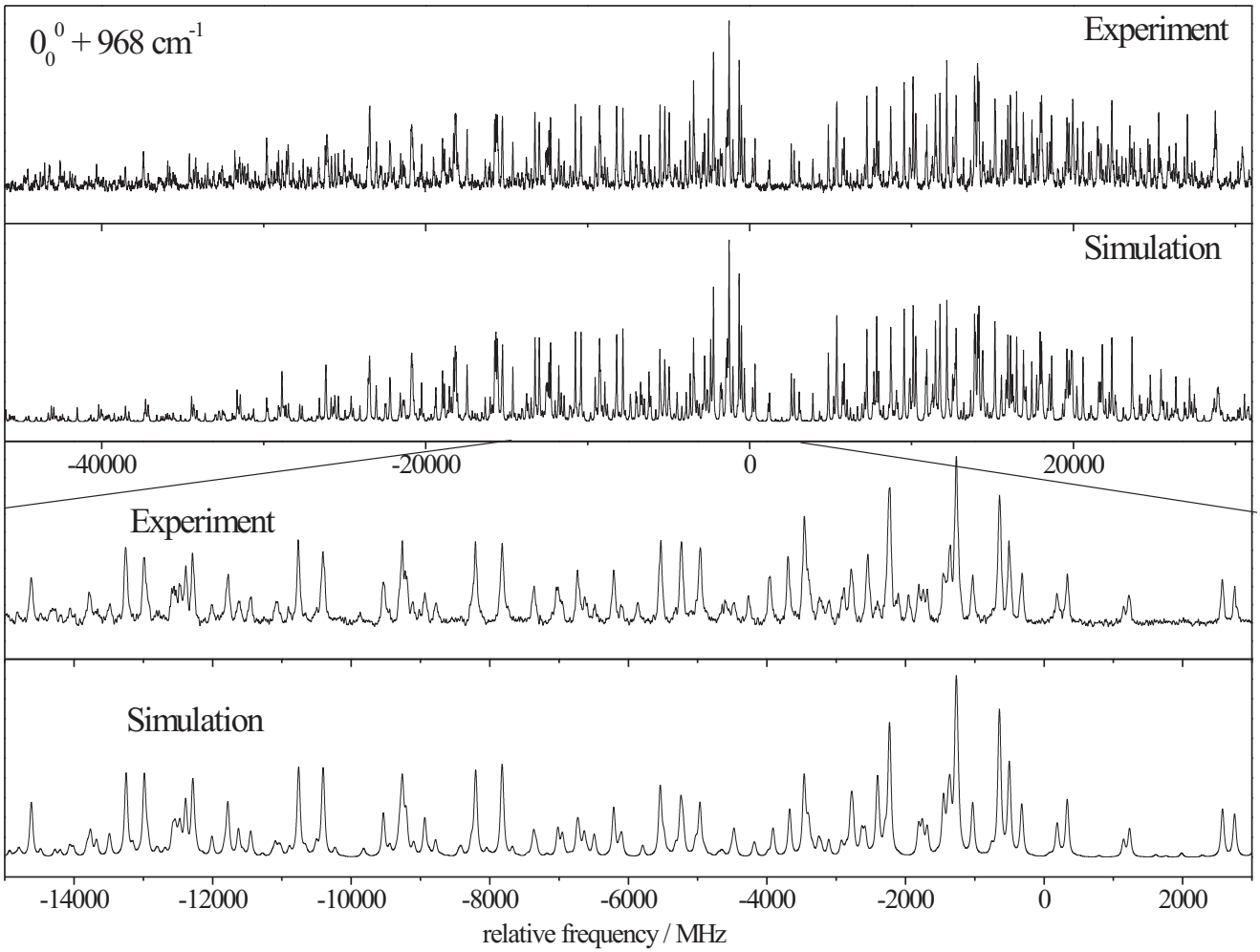

Figure S6: Rotationally resolved spectrum of the 968 cm^{-1} band, along with a simulation of the spectrum using the best-fit parameters from an ES fit, given in Table 1 of the paper.