The temperature dependence of the stress dichroism was used to evaluate the effect of the quadratic electron-lattice interaction. This effect was found to be of the same order of magnitude as that due to the resonance mode. It is

positive for the A- and B-bands and negative for the D-bands.

The temperature dependence of the stress dichroism in the D-bands gives evidence of a small off-centre effect in the excited states. This is explained as a result of the small coupling to Γ_3^+ and Γ_5^+ lattice vibrations which made higherorder coupling to odd modes observable. The D-bands are understood to have a strong ligand character which favours this coupling.

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