## INFRARED SPECTRUM OF THE PRODUCTS OF THE INTERACTION OF EXCITED NEON ATOMS WITH $\mathrm{CCl}_4$ TRAPPED IN SOLID NEON

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When a Ne:CCl<sub>4</sub> sample is codeposited at approximately 5 K with a beam of neon atoms that have been excited in a microwave discharge, the infrared spectrum of the resulting solid deposit shows prominent absorptions that have previously been assigned <sup>*a*</sup> to Cl<sub>2</sub>CCl–Cl, as well as other absorptions of uncharged, cationic CCl<sub>n</sub> (n = 1-3) and anionic CCl<sub>n</sub> (n = 3,4) species. Studies of Ne<sup>1</sup>3CCl<sub>4</sub> samples and studies of the photodestruction of the products when the deposit is subjected to various bands of visible and ultraviolet radiation support the proposed assignments.

<sup>a</sup>G. Maier, H. P. Reisenauer, J. Hu, B. A. Hess, Jr., and L. J. Schaad, Tetrahed. Lett. 30, 4105 (1989).