

Pressure Effect on the Electronic Properties of Alkali Doped Fullerides

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A large variety of electronic properties were observed among the alkali doped fullerides. Although the basic ingredients for the characterization of different ground state are known, such as strong electron-electron and electron phonon interactions, Jahn-Teller distortion and orbital ordering, a detailed description of these systems is still incomplete. Hydrostatic pressure is usually a precious parameter in organic crystals,

which can contribute to the understanding of the underlying physics. In this presentation the effects of pressure studied by Electron Spin Resonance technique will be reviewed for representative alkali doped fullerides.

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