Temperature Dependence of the Dielectric Function and Interband Critical Points of Bulk Germanium

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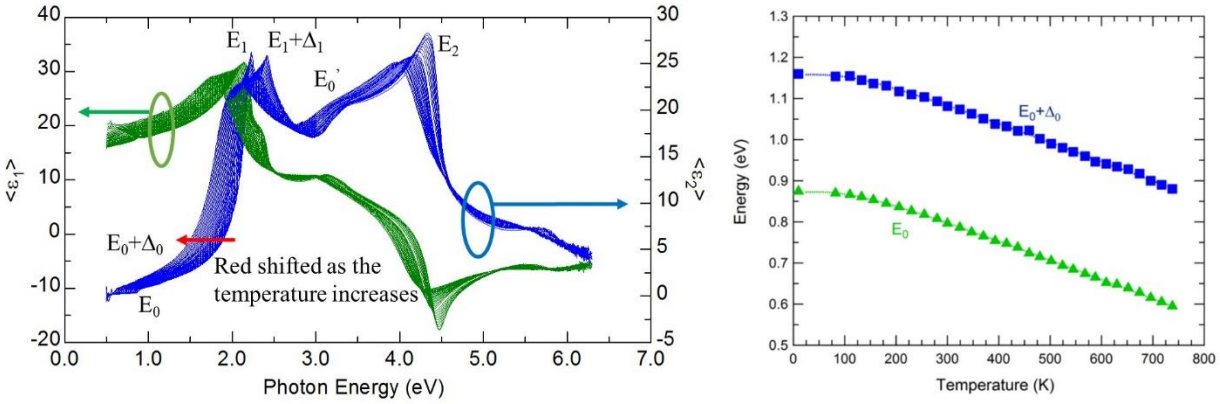

Fig.: (a) Real and imaginary parts of the pseudo-dielectric function of bulk Ge as a function of photon energy in the temperature range from 10 to 738 K (b) Temperature dependence of the E_0 and $E_0+\Delta_0$ critical point energies of bulk Ge. The lines show the best fit to the data according to the Bose-Einstein Equation.