

INELASTIC ELECTRON SCATTERING BY POLAR
OPTICAL PHONONS IN MERCURY TELLURIDE

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S u m m a r y

A model of inelastic electron scattering by polar optical phonons (ESPOP) is proposed in which the scattering probability does not depend on a microscopic parameter, the crystal permittivity. The model considered gives a good agreement between the theory and experiment in the temperature range 77–300 K.