

Photoconductivity spectra and persistent conductivity in the irradiated Si samples (WODEAN)

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It is presented the dependence of the photoconductivity spectra in the irradiated by neutrons with fluence $1e14 - 1e16 \text{ cm}^{-2}$. The deep local levels are identified by Lucovsky model, data about traps obtained from thermally stimulated conductivity and the effects of conductivity via impurity (traps) band - from the temperature dependence of persistent conductivity. The results are discussed involving the lifetime, mobility of carriers and induced inhomogeneities dependence on the fluence models.

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