



Nonlinear optical rectification and second and third harmonic generation in GaAs δ -FET systems under hydrostatic pressure

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<https://doi.org/10.1016/j.jlum.2011.09.022>

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Abstract

The GaAs n-type delta-doped field effect transistor is proposed as a source for nonlinear optical responses such as second order rectification and second and third harmonic generation. Particular attention is paid to the effect of hydrostatic pressure on these properties related with the pressure-induced