

Abstract Submitted
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Nuclear polarization effects on electron spin resonances as observed by Kerr rotation BENJAMIN HEATON, JOHN COLTON, Brigham Young University — Magnetic resonances between electron spin states in doped GaAs layers has been studied by optically detected Kerr rotation signals. Electron resonance signals are strongly dependent on local nuclear polarizations. Nuclear polarization effects can be controlled, and total nuclear polarization has a decay time of 2.7 minutes.

Benjamin Heaton
Brigham Young University

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