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**Optically Detected Electron Spin Resonance of GaAs Spin-LEDs**

JOHN COLTON, STEVE BROWN, BENJAMIN HEATON, DANIEL JENSON, MICHAEL JOHNSON, AARON JONES, Brigham Young University — GaAs “spin-LED” samples give off circularly polarized light due to spin-polarized electrons being injected into a quantum well diode structure. The spin dynamics of these electrons have been studied through electron spin resonance (ESR), with the resonance being optically detected by a change in the circular polarization of the emitted light. Results of the ESR experiments will be presented.

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