

Inelastic Electron Scattering Off Magnetic Impurities

Leonid Glazman
Yale

This talk reviews the theory and experiments investigating the electron relaxation in metals with magnetic impurities. Such impurities enhance the energy exchange between electrons and make the electron energy relaxation sensitive to the magnetic field. The developed theory explains fast electron relaxation discovered about a decade ago in experiments with tiny metallic wires. It also suggests a direction for new experiments.