

Nonlinear THz Spectroscopy User Facility at ELI-ALPS

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Abstract

A user-accessible compact nonlinear THz spectroscopy facility (NLTSF) is available at ELI-ALPS. It enables to carry out THz pump—THz probe measurements with >0.4 MV/cm peak field strengths in the 0.1-2.5 THz frequency range. THz-induced transient absorption in n-doped Ge was investigated at 300 K and 95 K temperatures.