

Seminar

High-Harmonic Generation from Spin-Polarized Defects in Solids

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Recently, variety of solid-state systems such as dielectrics, and semiconductors are used to generate high-harmonics of terahertz and mid-infrared driving frequencies. Due to high density of solids when compared to low-density of gases, high-harmonic generation from solids is superior for higher harmonic yield. This offers an attractive compact table-top source for coherent and bright attosecond pulses. In this talk, I will discuss how the presence of different kinds of defects in solids affect the generation of high harmonics and how these localized defects can be imaged using high-harmonic generation.

Monday, Dec 16th 2019

11:30 AM (Tea/Coffee at 11:00 AM)

Seminar Hall, TIFR-H