



OPEN TALK ANNOUNCEMENT

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11:00 hrs.

Fermion

Speaker:

Prof. D.D. Sarma

Honorary Professor, SNBNCBS

Affiliation:

Solid State and Structural Chemistry Unit
Indian Institute of Science, Bengaluru

Title:

Electronic structure of the elusive metastable state in chemically exfoliated few layer MoS₂

Abstract

An elusive metastable phase, existing only as small patches in chemically exfoliated few layer, thermodynamically stable 2H phase of MoS₂ is believed to influence critically properties of MoS₂ based devices. Its electronic structure is little understood in absence of any direct experimental data and conflicting claims from theoretical investigations. I shall present data¹ to resolve this issue based on probing the electronic structure of chemically exfoliated few layer systems using spatially resolved photoemission spectroscopy.

This work is carried out in collaboration with Banabir Pal, Anjali Singh, Sharada. G, Pratibha Mahale, Abhinav Kumar, S. Thirupathaiah, H. Sezen, M. Amati, Luca Gregoratti, and Umesh V. Waghmare.

References:

1. Banabir Pal *et al.*, Unpublished results.
