BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA

INSTITUTO DE FÍSICA
"Luis Rivera Terrazas"

SEMINARIO
"DR. JESUS REYES CORONA"

"Superconductivity in 2D materials: an overview"

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The search for superconductivity in the 2D limit is currently a very active topic of research in the new field of 2D materials. In this talk, we present an overview of recent experimental reports of superconductivity in two-dimensional atomic and molecular materials. In the second part of this talk, we discuss the different proposed mechanisms to explain the superconductivity in this new kind of materials. In particular, those studies based on ab-initio calculations that have show that electron-phonon superconductivity is feasible in strained and doped silicene.

Auditorio-IFUAP
Viernes 17 de Noviembre de 2017
13:00 Hrs.