

BC Physics Department's Talks & Presentations

"Nanocavity" Biochemical Sensor

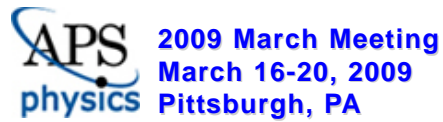
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Interlayer Magnetoresistance of the Layered Organic Conductor (DMET)

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BC Physics Department's Talks & Presentations

A novel nanoarchitecture with optical, solar, medical and biochemical utility

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Improved Synthesis of Aligned Carbon Nanotube Arrays for Optical Applications

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New spin modes in itinerant ferromagnets

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Longitudinal Field μ SR Study of Spin Dynamics and Onset of Magnetic Correlations in $\text{LiY}_{1-x}\text{Ho}_x\text{F}_4$ with $0.002 \leq x \leq 0.10$

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^7Li NMR Study of Yb_4LiGe_4 : A Possible Kondo Insulator

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Magnetotransport of Bi nanowires: Evidence for surface carriers in bismuth.

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Thermopower measurements of arrays of trigonal bismuth nanowires: the density, mobility, and charge-sign of Bi surface carriers.

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Transition in NiMnSn and NiMnIn

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The Superconducting Phase Diagram of $V_3Si_{0.98}X_{0.02}$, X=Ni, Mn, Co, Fe, Cu

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Quantum Fluctuation of the Order Parameter in a Structural Phase Transition

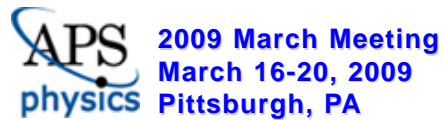
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Magnetic field-induced modification of superfluid density and interplane spectral weight in $\text{YBa}_2\text{Cu}_3\text{O}_y$

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Dynamical Phase Transitions In Periodically Driven Model Neurons

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Phonon relaxation times extracted from first principles thermal conductivity calculations

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Intrinsic lattice thermal conductivity of diamond from first principles

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Theory of phonon thermal conductivity of single-walled carbon nanotubes

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Thermoelectric Properties of Nanostructured n-type $\text{Yb}_{1-x}\text{Co}_4\text{Sb}_{12}$ Bulk

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Reduction of thermal conductivity on n-type silicon germanium bulk alloy with nanopores formation

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Enhancement in power factor in p-type bulk SiGe alloys

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Thermoelectric Properties in Nanostructured p-type Skutterudites

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Thermoelectric Figure-of-Merit of Nanostructured Silicon with a Low Concentration of Germanium

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Enhanced Thermoelectric Figure-of-Merit in p-type Nanostructured Bismuth Antimony Tellurium Alloys Made from Elemental Chunks

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Thermoelectric Figure-of-merit in Bulk p-type PbTe

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Enhancement of Thermoelectric Figure-of-Merit by a Nanostructure Approach

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Examining SrFe₂As₂ with a Low Temperature Scanning Tunneling Microscope

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Coexistence of competing orders with two energy gaps in real and momentum space in the High T_c Superconductor Bi₂Sr_{2-x}La_xCuO_{6+δ}

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STM Study of Bosonic Modes in the Cuprate Superconductor

$\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$

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Fermi surface and superconducting gap of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ studied by high-resolution ARPES

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ARPES study of doping dependence of the superconducting gap in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$

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Novel electronic states in the sodium rich phases of cobaltates Na_xCoO_2

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Valence bond glassy order and the pseudogap phase in underdoped high T_c cuprates

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Mott and Wigner-Mott transition away from half-filling

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Origin of chiral p-wave pairing in even-denominator fraction quantum Hall effect

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On Static and Dynamic Properties of Solitons in Molecular Chains

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Light reflection from semiconductor surface with submonolayer cover of metal particles

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Study of band structure and Fermi Surface of SrFeAs_2 and BaFeAs_2 by angle-resolved photoemission spectroscopy

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