



SCUOLA DI DOTTORATO IN FISICA, ASTROFISICA E FISICA APPLICATA

Presso la Sala Consiglio del Dipartimento di Fisica
gli allievi del I° anno della Scuola di Dottorato
terranno nelle giornate del 21 e 22 Novembre 2011
il seminario di fine anno nei seguenti orari:

21 NOVEMBRE

- 9:00 Welcome (Marco Bersanelli)**
Chairperson: Giovanni Onida
- 9:10** Eleonora Villa: Cosmological backreaction in the PN approximation of GR.
- 9:30** Elena Garlatti: Spin dynamics in molecular magnets with competing AF interactions and in entangled rings.
- 9:50** Cristian Ghisleri: Electrical and optical study of metal-polymer nanocomposites.
- 10:10** Muhammad Ikram: Thomson backscattering diagnostics of electron beams and RF heating of confined plasmas in the ELTRAP device.
- 10:30** Alberto Mariani: Interaction of high frequency electromagnetic Gaussian beams with a thermonuclear magnetized plasma.
- 10:50 Coffee break**
Chairperson: Tommaso Bellini
- 11:20** Iacopo Parravicini: Diffraction cancellation over multiple wavelengths in an optical scale-free regime.
- 11:40** Stefano Ponzoni: Carrier dynamics in carbon nanotubes: towards the understanding of CNT-based photovoltaic devices.
- 12:00** Valentina Pukhova: Thermal calibration of cantilevers and dynamic AFM excited by light modulation: preliminary results.
- 12:20** Tommaso Pietro Fraccia: Self-assembly of DNA and RNA: a possible route for the origin of life?
- 12:40** Tommaso Santaniello: Hybrid micro-fluidic devices functionalized for cell biology applications.

22 NOVEMBRE

- Chairperson: Emanuela Meroni*
- 9:00** Davide Bianchi: Measurement of the growth rate of structures from future redshift surveys.
- 9:20** Stefano Luigi Seveso: Pulsar Glitches: observational test of the snowplow model.
- 9:40** Massimiliano Galluzzi: Characterization of electrical properties of thin films of ionic liquid using atomic force microscopy.
- 10:00** Alice Zocchi: Test of dynamical models on a sample of Galactic globular clusters.
- 10:20** Marco Brenna: A microscopic approach to the particle - vibration coupling in atomic nuclei.
- 10:40 Coffee break**
Chairperson: Marco Bersanelli
- 11:10** Sofia Maria Consonni: $Z \rightarrow \tau\tau$ studies in a Higgs search perspective at ATLAS.
- 11:30** Federico Meloni: Searches for Supersymmetry with the ATLAS detector in the two lepton channel.
- 11:50** Luna Pellegrini: Measurement of γ -decay of highly excited states in ^{208}Pb with the AGATA Demonstrator.
- 12:10** Rosa Simoniello: Study of the performance of missing transverse momentum in ATLAS finalized to the Higgs boson search.
- 12:30** Emanuele Roberto Nocera: Neural Networks and the spin structure of the proton.

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Ulteriori informazioni si potranno chiedere a: phd@fisica.unimi.it
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