



CORSO 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 9 e 10 ottobre 2018
il seminario di fine anno nei seguenti orari:

9 OTTOBRE

9:00 Welcome (S.Forte)

Chairperson: Stefano Forte

09:10 Nicola Panzeri: Nonlinear dynamics of nonneutral plasmas.

09:30 Linda Bianchini: Repeatability and robustness of radiomic features extracted from magnetic resonance images of pelvis district: a phantom study.

09:50 Alice Corina Forello: Development and optimisation of experimental and modelling approaches to characterise high-time resolution atmospheric aerosol and its sources.

10:10 Manjeet Kumar: Development and implementation of direct injection mass spectrometry (DIMS) based analytical method to study volatile organic compounds (VOCs): Beer as a challenging case study.

10:30 Luka Vanjur: DNA complexes on a biosensing surface. 10:50

10:50 Coffee break

Chairperson: Francesco Ragusa

11:20 Giovanni Stagnitto: Issues with the single jet inclusive cross section.

11:40 Yunsheng Dong: Characterization, performance assessment and data analysis of a drift chamber in the FOOT experiment.

12:00 Giulia Gosta: Study of the isospin symmetry in ^{60}Zn .

12:20 Samuele Mariotto: Study and optimization of a magnetic field quality measurement system for the characterization of superconducting accelerator magnets: Analysis of critical aspects.

12:40 Elisabetta Spadaro Norella: Search for exotic states at LHCb.

10 OTTOBRE

Chairperson: Aniello Mennella

09:00 Alessandro Montoli: Pulsar glitches and neutron star masses.

09:20 Sabrina Realini: Analysis of the LSPE-STRIP optical system.

09:40 Benedetta Maria Augusta Veronesi: Substructures in protoplanetary discs: how much coupled are dust and gas?

10:00 Matteo Chighizola: Mechano-transduction, a biophysical investigation of the cell-microenvironment interaction.

10:20 Francesco Mambretti: Energy-landscape driven crystallization slowdown in supercooled liquid mixtures.

10:40 Coffee break

Chairperson: Matteo Paris

11:10 Matteo Mirigliano: Resistive switching in cluster assembled metallic films.

11:30 Federica Simonetto: Study of pre-nucleation and aggregation in protein and colloidal system with novel optical methods like DLS and cDLS.

11:50 Riccardo Fabbricatore: How Statistical Physics can help Computational Complexity.

12:10 Federico Michele Faedo: Black holes in gauged supergravity.

12:30 Mauro Pastore: Symmetries, confinement and all that: perspectives on non-perturbative QCD.

12:50 Conclusions (M. Paris)

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