

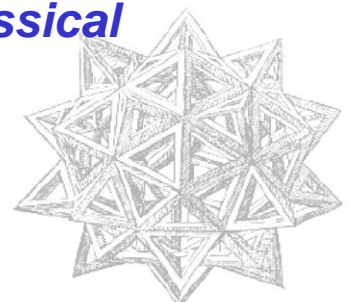


UNIVERSITA' DEGLI STUDI DI PAVIA

DOTTORATO DI RICERCA IN FISICA

SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula di Dottorato
Venerdì 6 Ottobre 2017

- 9.00-9.30 **Alberto Riccardi**
Quantum correlation and entropic uncertainty relations
- 9.30-10.00 **Francesco Tacchino**
Stabilizing entanglement
- 10.00-10.30 **Gianluca Timò**
Development of innovative materials for high-efficiency multijunction solar cells
- 10.30-11.00 **Break**
- 11.00-11.30 **Stefano Sconfiatti**
Dynamical polarizabilities in Real Compton Scattering
- 11.30-12.00 **Fulvio Piacenza**
The Transverse Momentum Distribution of partons
- 12.00-12.30 **Filippo Delcarro**
A first global fit of partonic Transverse Momentum Distribution
- 12.30-14.15 **Lunch break**
- 14.15-14.45 **KyungDon Choi**
Hadrontherapy and Quality assurance
- 14.45-15.15 **Sofia Barbieri**
Track-structure simulation of g-H2AX foci and comparison with experimental results
- 15.15-15.45 **Matteo Avolio**
Magnetic Nanoparticles for Magnetic Fluid Hyperthermia: optimization of microscopic properties and interpretative models
- 15.45-16.00 **Break**
- 16.00-16.30 **Francesco Garrisi**
Silicon Nitride and Hydrex microring resonators: devices for classical and quantum optics
- 16.30-17.00 **Micol Previde Massara**
Integrated devices for quantum technologies
- 17.00-17.30 **Filippo Caracciolo**
Dynamic Nuclear Polarization of Beta-Cyclodextrins





UNIVERSITA' DEGLI STUDI DI PAVIA

DOTTORATO DI RICERCA IN FISICA

SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula di Dottorato
Lunedì 9 Ottobre 2017

- 9.00-9.30 Tommaso Cervi
Silicon Photomultiplier arrays for liquid argon TPC applications
- 9.30-10.00 Edoardo Farina
Search for WIMP Dark Matter produced in association with top quarks with the ATLAS detector
- 10.00-10.30 Alessandro Cicchetti
Toward a mechanistic understanding of radiation induced toxicity for prostate cancer patients
- 10.30-11.00 *Break*
- 11.00-11.30 Marco Clementi
Nonlinear and quantum optics with photonic crystal cavities
- 11.30-12.00 Daniele Aurelio
3D light confinement in dielectric structures
- 12.00-12.30 Marco Passoni
Slow light in Silicon On Insulator platform
- 12.30-14.15 *Lunch break*
- 14.15-14.45 Francesco Fallavollita
Construction, Aging Phenomena and Discharge Probability Studies of the GEM detectors for upgrade of the CMS experiment
- 14.45-15.15 Martina Ressegotti
Upgrade of the CMS experiment with GEM detectors: commissioning of the GE1/1 subsystem, trigger & test beam performance studies for the ME0 station
- 15.15-15.45 John Tello
Biophysical modelling of chromosome aberrations
- 15.45-16.00 *Break*
- 16.00-16.30 Simone Sottocornola
Hardware-based tracking for LHC
- 16.30-17.00 Francesco Bussola
Why theoreticians bother with black holes

