

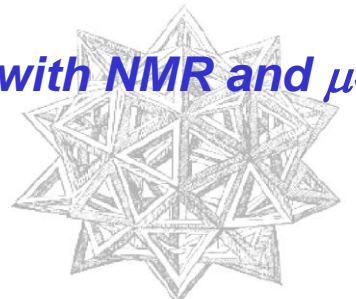
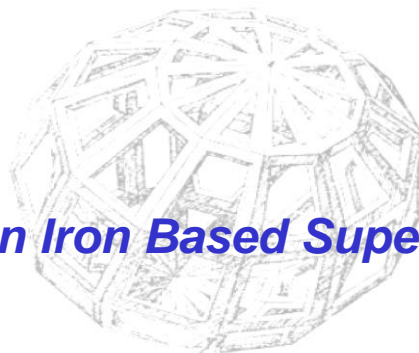


UNIVERSITA' DEGLI STUDI DI PAVIA

DOTTORATO DI RICERCA IN FISICA

SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula 101
Venerdì 7 Ottobre 2016

- 9.00-9.30 Saeid Rafizadeh
Fabrication and Characterization of Solution Processed Perovskite Solar Cells
- 9.30-10.00 Gianluca Timò
Bringing practical performance of solar cells closer to theoretical limits
- 10.00-10.30 Marco Cobianchi
Effects of superparamagnetic nanoparticle microscopic features on hyperthermic efficiencies
- 10.30-11.00 Break
- 11.00-11.30 Barbara De Palma
Quantum field theories on the lattice
- 11.30-12.00 Luca Mantovani
Light-front quantization methods: from QED to QCD
- 12.00-12.30 Maura Spanu
Evaporation of a wavelength shifter for ICARUS T600 light detection system
- 12.30-14.15 Lunch break
- 14.15-14.45 Marco Erba
Reconstructing free quantum fields using virtually Abelian quantum walks
- 14.45-15.15 Nicola Mosco
Path integral solution of quantum cellular automata
- 15.15-15.45 Alessia Embriaco
MONET: an accurate model for the evaluation of the dose for protons in water
- 15.45-16.00 Break
- 16.00-16.30 Matteo Moroni
Probing exotic states of matter in Iron Based Superconductors with NMR and μ SR
- 16.30-17.00 Filippo Caracciolo
Dynamic Nuclear Polarization
- 17.00-17.30 Micol Previde Massara
Silicon integrated sources of quantum states of light





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SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula 101
Lunedì 10 Ottobre 2016

- 9.00-9.30 Daniele Aurelio
3D light confinement in dielectric structures
- 9.30-10.00 Matteo Menotti
Generation of energy-entangled W states
- 10.00-10.30 Tommaso Cervi
Photodetectors in particle physics experiments
- 10.30-11.00 Break
- 11.00-11.30 Filippo Delcarro
Extraction of partonic Transverse Momentum Dependent distributions
- 11.30-12.00 Francesco Bussola
Quantum aspects of fields on a black hole background
- 12.00-12.30 Zachary Vernon
Quantum Nonlinear Optics in Microresonators
- 12.30-14.15 Lunch break
- 14.15-14.45 Edoardo Farina
Development of innovative gaseous detectors and their employment in ATLAS
- 14.45-15.15 Francesco Fallavollita
Gas detector for the CMS muon system: overview and physics
- 15.15-15.45 Martina Ressegotti
State of the art of Micropattern Gas Detectors for LHC
- 15.45-16.00 Break
- 16.00-16.30 Sofia Barbieri
A peek into radio-induced DNA damage mechanisms
- 16.30-17.00 Setareh Fatemi
Characterization of a CdZnTe detector for SPECT imaging in BNCT
- 17.00-17.30 Marco Passoni
Nanophotonic structures for applications in silicon photonics

