

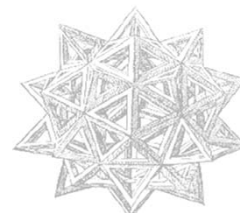
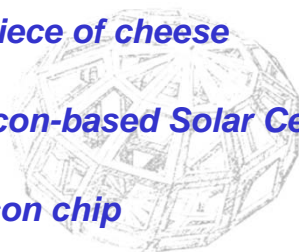


UNIVERSITA' DEGLI STUDI DI PAVIA

DOTTORATO DI RICERCA IN FISICA

SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula di Dottorato
Venerdì 9 Ottobre 2015

- 9.00-9.30 Maura Spanu
Electrical energy production by means of nuclear fission fragments
- 9.30-10.00 Salvatore Del Sorbo
Scattering of Light from Randomly Nano-textured Surfaces
- 10.00-10.30 Mario Pietro Carante
Modelling charged-particle effects for hadrontherapy applications
- 10.30-11.00 Break
- 11.00-11.30 Marco Erba
Non-abelian quantum walks and connections with QFT
- 11.30-12.00 Nicola Mosco
Path integral on Quantum Cellular Automata
- 12.00-12.30 Luca Mantovani
The electron in 3D
- 12.30-14.15 Lunch break
- 14.15-14.45 Marta Torti
Electric and magnetic fields effects on event reconstruction in a LAr TPC
- 14.45-15.15 Barbara De Palma
Numerical simulation in Lattice QCD
- 15.15-15.30 Break
- 15.30-16.00 Gabriele Nosari
The strange behaviour of a piece of cheese
- 16.00-16.30 Saeid Rafizadeh
Towards Highly Efficient Silicon-based Solar Cells
- 16.30-17.00 Angelica Simbula
Correlated photons on a silicon chip





UNIVERSITA' DEGLI STUDI DI PAVIA

DOTTORATO DI RICERCA IN FISICA

SEMINARI DEI DOTTORANDI

Dipartimento di Fisica, aula di Dottorato

Lunedì 12 Ottobre 2015

- 9.00-9.30 **Stefano Boselli**
Hto4I: a Monte Carlo program for Higgs physics at the LHC
- 9.30-10.00 **Ilaria Vai**
New micropattern gaseous detectors for the upgrade of the CMS experiment
- 10.00-10.30 **Alice Magnani**
Search for a light charged Higgs Boson in CMS 8 Tev data: analysis strategy and methods
- 10.30-11.00 **Break**
- 11.00-11.30 **Setareh Fatemi**
In-vivo Boron imaging for BNCT, a state of the art
- 11.30-12.00 **Matteo Moroni**
Basic aspects of iron-based superconductors
- 12.00-12.30 **Samuel Rutili**
Quantum field theory in curved spacetimes
- 12.30-14.15 **Lunch break**
- 14.15-14.45 **Valentina Elettra Bellinzona**
A model for optimization of hadrontherapy Treatment Planning System
- 14.45-15.15 **Alessia Embriaco**
Physical studies for hadrontherapy
- 15.15-15.30 **Break**
- 15.30-16.00 **Marco Cobianchi**
Effect of Superparamagnetic Nanoparticles size on relaxometric and hypertermic efficiencies
- 16.00-16.30 **Matteo Menotti**
Integrated sources of nonclassical states of light

