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
SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula di Dottorato
Lunedì 12 Ottobre 2015

9.00-9.30   Stefano Boselli
   Hto4l: 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