9.00-9.30  Alessandro Cicchetti  
Radiation damage analysis of human skeletal muscle cells: experimental data and Monte Carlo simulation

9.30-10.00  Nicolo Valle  
Quark-Gluon Plasma in relativistic heavy ion collisions

10.00-10.30  Marco Clementi  
Photonic crystal cavities for nonlinear and quantum optics

10.30-11.00  Break

11.00-11.30  Francesco Garrisi  
Periodic integrated structures for classical and quantum optics

11.30-12.00  Alberto Riccardi  
Quantum thermodynamics of a two-mode bosonic system

12.00-12.30  Lorenzo Pezzotti  
Calorimetry development at the high energy physics frontiers

12.30-14.15  Lunch break

14.15-14.45  Simone Sottocornola  
ATLAS hardware-based tracking at trigger level

14.45-15.15  Chiara Bissolotti  
The transverse momentum of quarks: phenomenology

15.15-15.45  Fulvio Piacenza  
Towards a better determination of the momentum of quarks inside the proton

15.45-16.00  Break

16.00-16.30  Francesca Brero  
Magnetic Hyperthermia combined with Hadron Therapy: a new ally against pancreatic cancer

16.30-17.00  Matteo Avolio  
Magnetic Nanoparticles for Hyperthermia and NMR: influence of key physical parameters such as size, shape, porosity and medium viscosity
SEMINARI DEI DOTTORANDI
Dipartimento di Fisica, aula di Dottorato
Lunedì 8 Ottobre 2018

9.00-9.30 Michele Grossi
*Feasibility study of semileptonic VBS signal discrimination at LHC*

9.30-10.00 Francesco Tacchino
*Of spins, springs and quantum computers*

10.00-10.30 Nicola Bergamasco
*Spectral correlations of photon pairs generated via parametric fluorescence in selected photonic platforms*

10.30-11.00 Break

11.00-11.30 Federico Andrea Sabattoli
*Integrated photon sources for quantum applications*

11.30-12.00 Kyungdon Choi
*Uncertainty of Hadrontherapy and some challenges*

12.00-12.30 Simone Rodini
*From 1D to 3D proton map: an ongoing journey*

12.30-14.15 Lunch break

14.15-14.45 Stefano Sconfietti
*Proton structure from Compton scattering*

14.45-15.15 Leopoldo Poggiali
*The power of Nonlinear Fermionic Cellular Automata*

15.15-15.45 Benedetta Albini
*Surface-Enhanced Raman Spectroscopy*

15.45-16.00 Break

16.00-16.30 John Tello
*Chromosome 3D-modelling using Hi-C data*

16.30-17.00 Giulia Rovelli
*Search for Dark Matter production in association with heavy quarks at the ATLAS experiment*