

ERASMUS MUNDUS MASTER IN NUCLEAR PHYSICS (NucPhys)

MASTER THESIS defended in 2019 (FIRST intake)

University of Sevilla, S4 Master Thesis first intake

Atukpor, Friday Emmanuel

Title: *Influence of nucleus-nucleus collisions models on biological effects in hadron-therapy*

Supervisor: Daniel Cussol (CAEN Univ)/José M. Quesada (US)

Date: 20/09/2019

Daskalovski, Igor

Title: *PET QUANTIFICATION FOR TREATMENT EVALUATION PURPOSE IN PATIENT AND PRE-CLINICAL STUDIES*

Supervisor: Giorgio Russo (IBFM-CNR Cefalù and LNS-INFN Catania)/ Antonio Leal Plaza (US)

Date: 20/09/2019

Sorokin, Vasily

Title: *Radiobiological studies with low energy protons at CABIMER and CNA.*

Supervisor: M.I. Gallardo y Pablo Huertas

Date: 20/09/2019

.

Tomic, Milos did not present the Master Thesis

Vučković, Kristina

Title: *FEASIBILITY STUDY OF IMPURITY IMAGING SPECTROSCOPY*

Supervisor: Manuel García Muñoz and Eleonora Viezzer

Date: 20/09/2019

University Autonomous of Madrid, S4 Master Thesis first intake

Vimal Vijayan

Title: *Beta-decay rates computed with variational approaches in shell model valence spaces*

Supervisor: Tomás Raúl Rodríguez Frutos

Date: 20/09/2019

University Complutense of Madrid, S4 Master Thesis first intake

ESPINOSA RODRÍGUEZ, ANDREA

Title: *Investigation of possible contrast agent for off-line proton range verification.*

Advisor: José Manuel Udías Moinelo (UCM)

Date: Septiembre 2019

SHAGALAKOVA , AIDANA

Title: *Investigation of contrast agents for off-line proton range verification*

Advisor: José Manuel Udías Moinelo (UCM)

Date: Septiembre 2019

University of Barcelona, S4 Master Thesis first intake

Rahul Somasundaram

Title: *Exotic Hadrons in the $\Lambda_b \rightarrow J/\Psi \phi \Lambda$ Decay*

Supervisor: Volodymyr Magas, Angels Ramos

Date: 18/07/2019

Clara Dehman

Title: *Hot Neutron-Rich Nuclear Matter Studied With The BCPM Nuclear Energy Density Functional*

Supervisor: Prof. Xavier VIÑAS, Prof. Artur POLLS, Prof. Mario CENTELLES (UB)

Date: 20/09/2019

University of Padova, , S4 Master Thesis first intake

Michelangelo Traina

MT title: *Measurement of the D_0 meson production in Pb-Pb collisions with the ALICE experiment at the LHC*

Advisors: Prof. Marcello Lunardon, Dr. Andrea Dainese, Dr. Andrea Rossi

Defended on: 23rd September 2019

University: Università degli studi di Padova

Katerine Viviana DÍAZ HERNÁNDEZ

MT title: *Thermal desorption of heavy lanthanides from refractory filaments for laser spectroscopy on the heaviest actinides*

Advisor: Dr. Michael BLOCK (GSI), G. Montagnoli, M. Mazzocco

Defended on: 23/09/2019

University: Università degli studi di Padova

Omorjit Singh

MT title: *Study of tunneling effect in Nuclear Physics through the measurement of heavy ion fusion; consequences for astrophysics*

Advisors: Prof. Giovanna Montagnoli, Dr. Alberto M. Stefanini

Defended on: 23/09/2019

University: Università degli studi di Padova

William Sáenz Arévalo

MT title: *A gaseous detector for ultracold neutrons in the n2EDM project*

Advisors: Francesco Recchia, Thomas Lefort

Defended on: 23/09/2019

University: Università degli studi di Padova

Ablaihan Utepov

MT title: *Multinucleon transfer reactions in the $^{206}\text{Pb} + ^{118}\text{Sn}$ system studied with the PRISMA spectrometer*

Advisors: Dr. Lorenzo Corradi, Prof. Giovanna Montagnoli, Dr. Tea Mijatović

Defended on: 23 September 2019

University: University of Padova

University of Catania, S4 Master Thesis first intake

CHIDERA OPARA

MT title: *MONTE CARLO APPROACHES FOR THE ESTIMATION OF RADIOBIOLOGICAL QUANTITIES: A NEW IRRADIATION STUDY TO ENHANCE THE RADIOBIOLOGICAL EFFECTIVENESS OF PROTON BEAM*

Advisors: PROF. G. CUTTONE, DR. G.A.P. CIRRONE, DR. GIADA PETRINGA

Defended on: 22nd October, 2019

University: University of Catania