



INTERNSHIP DEFENSE
January 14th and January 15th, 2021

Jury: Prof.F.Gulminelli (University of Caen), Prof.José M.Arias (University of Sevilla), Prof.S.Romano (University of Catania), Prof.G.Montagnoli (University of Padova), Prof.Angels Ramos (University of Barcelona)

Thursday January 14th, afternoon schedule (PATH 1):

<https://us02web.zoom.us/j/81476706969?pwd=b1hJS3lHWVVJV3BIWkN1UGczMCs2Zz09>

Meeting ID: 814 7670 6969

Passcode: NUCPHYS

Time	Students	Topic	Tutor	Jury
14:00-14:30	Deborah SELEMON, Christina KARAGIANNI	Modeling of a plasma ion source with highly charged ions for accelerator applications	L.Maunoury (GANIL)	G.Montagnoli J.M.Arias F.Gulminelli
14:30-15:00	Nikhil MOZUMDAR	Influence of the continuum on effective nuclear forces	O.Sorlin (GANIL)	G.Montagnoli J.M.Arias F.Gulminelli
15:00-15:30	Jessica DELGADO, Mojahed ABUSHAWISH	Transfer induced fission in inverse kinematics at VAMOS	A.Lemasson (GANIL)	G.Montagnoli J.M.Arias F.Gulminelli
15:30-16:00	Jury discussion			
16:00-16:30	Snehankit PATTNAIK, Osama YAGHI	Muons and neutrinos flux modelization of the the KM3NeT experiment	B.Guillon (LPC)	G.Montagnoli J.M.Arias F.Gulminelli
16:30-17:00	Vladimir RUIZ, Samuel LANGELUND	The search for the electric dipole moment of the neutron	T.Lefort (LPC)	G.Montagnoli J.M.Arias F.Gulminelli
17:00-17:30	Emmanuel ODUSINA	Probing the structure of light nuclei produced by fragmentation with FAZIA	D.Gruyer (LPC)	G.Montagnoli J.M.Arias F.Gulminelli
17:30-18:00	Jury discussion			

Friday January 15th, morning schedule (PATH 3):

<https://us02web.zoom.us/j/86402806806?pwd=bmpsdmEyL243SmNFem5TMWtoWEo4UT09>

Meeting ID: 864 0280 6806

Passcode: NUCPHYS

Time	Students	Topic	Tutor	Jury
11:30-12:00	Amanda NERIO, Arthur GALAPON	Scintillation dosimetry in protontherapy	A.M.Frelin (GANIL)	S.Romano J.M.Arias F.Gulminelli
12:00-12:30	Trang PHAN, Andrea MATAMAROS	SCALP: Scintillating ionization Chamber for ALPha particle production reactions	F.R.Lecolley (LPC)	S.Romano J.M.Arias F.Gulminelli
12:30-13:00	Alma KURMANOVA	Influence of ligand binding on DNA G-quadruplex	J.C.Pouilly (CIMAP)	S.Romano J.M.Arias F.Gulminelli
13:00-13:30	Jury discussion			

Friday January 15th, afternoon schedule (PATH 2):

<https://us02web.zoom.us/j/84622467744?pwd=VktkanJuMFp0RnVJTGNsS3E3L0Z5QT09>

Meeting ID: 846 2246 7744

Passcode: NUCPHYS

Time	Students	Topic	Tutor	Jury
15:00-15:30	Jesus MUNOZ MENDEZ	Functional integral approach to strongly correlated fermionic systems with the auxiliary boson technique	V.H.Dao (CRISMAT)	A.Ramos J.M.Arias F.Gulminelli
15:30-16:00	Carlisle CASUGA	Study of DFTB modeling for strongly charged systems	P.M.Anglade (CIMAP)	A.Ramos J.M.Arias F.Gulminelli
16:00-16:30	Natia PORCHKHIDZE, Yash KUMAR	Crystallization of white dwarfs	A.Fantina (GANIL)	A.Ramos J.M.Arias F.Gulminelli
16:30-17:00	Daniel CONDE VILLATORO, Luis GONZALEZ	Machine-learning techniques to assess the relevance of three-body interactions in the shell model	P.Van Isacker (GANIL)	A.Ramos J.M.Arias F.Gulminelli
17:00-17:30	Jury discussion			

The defense is public.

Each student (team) is expected to summarize the research work within a 20' presentation.

A 10' slot for the jury questions is included in the schedule.