

INTERNSHIP DEFENSE

January 17th, 2020

Venue: LPC Caen, salle G.Iltis

Jury: Prof.F.Gulminelli (University of Caen), Prof.T.Rodriguez-Frutos (University of Madrid), Prof.S.Romano (University of Catania), Prof.G.Montagnoli (University of Padova)

Morning schedule:

Time	Students	Topic	Lab	Tutor
8:15-8:45	Pablo OYOLA-DOMINGUEZ Hristijan KOCHANKOVSKI	Modeling the neutron star crust at finite temperature	LPC	F.Gulminelli
8:45-9:15	Hoa Thi DINH Benedict ZAMBALES CASTRO	Core collapse supernova and impact of nuclear physics inputs	GANIL	A.Fantina
9:15-9:45	Jose Pablo LINARES FERNANDEZ	Partial dynamical symmetries in the shell model	GANIL	P.Van Isacker
9:45-10:15	Hope DONGLO Praveen JODIDAR	Shape Coexistence in the Geometric Collective Model of nuclei	GANIL	P.Georgoudis
10:15-10:45	COFFEE BREAK			
10:45-11:15	Adriana SIMANCAS	Characterization of particle detectors for precision measurements in nuclear beta decay	LPC	X.Flechard
11:15-11:45	Aliaa AFIFY	Characterization of particle detectors for precision measurements in nuclear beta decay	LPC	X.Flechard
11:45-12:15	Uladzislava YEVAROUSKAYA	DECT to assess calibration uncertainties in the conversion of HU into SPR for proton therapy in patients with implanted materials	BACLE SSE	J.Thariat

Afternoon schedule:

Time	Students	Topic	Lab	Tutor
13:45-14:15	Julgen PELLUMAJ, Iftikhar AHMAD	Investigating the structure of superheavy nuclei with SIRIUS	GANIL	J.Piot
14:15-14:45	Weling DONG	Breakup reactions at SAMURAI	LPC	J.Gibelin
14:45-15:15	Tania MARTINEZ CORTES	Measurement of light charged particle Equilibrium constants using heavy-ion reactions	LPC	R.Bougault
15:15-15:45	Jose RUEDA RUEDA	Development of the Imaging Neutral Particle Analyser (NPA) diagnostic	IPP Garching	E.Viezza
15:45-16:15	Patricia PEREZ	Calculation of neutron multiplicities from isotopic fission yields	GANIL	A.Lemasson
16:15-16:45	COFFEE BREAK			
16:45-17:15	Bharat MISHRA	Modelling ionisation dynamics in non-LTE ECR plasmas confined in compact magnetic traps	GANIL	L.Manoury
17:15-17:45	Pinelopi CHRISTODOULOU	Intrinsic processes induced by the irradiation of rifamycin/collagen non-covalent complexes	CIMAP	J.C.Pouilly
17:45-18:15	Sergio MINGO BARBA	Simulating the beta+ emitters production in the body during a carbon therapy irradiation session	LPC	S.Salvador

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.

The deliberation of the jury is scheduled on January 18 from 18:15 to 18:45.