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*	*BACLESSE*	*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.Viezzer*
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.Poully*
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.