



HIB2015@LNS – Scientific Program

December, 14th 2015 (Main Conference Room Laboratori Nazionali del Sud)

-12:00 *Registration at the Workshop Desk*

-13:00 *light lunch*

-13:50 Angelo Pagano (INFN–Catania) *Introduction: few about HIB@LNS (10')*

-14:00 Giacomo Cuttone (INFN-LNS Director) - Antonio Insolia (INFN-Catania Director) *Welcome by Directors of LNS and INFN Division in Catania (10')*

Chair :Giacomo De Angelis (LNL-Legnaro)

-14:10 Faïçal Azaiez (IPN-Orsay) *'ECOS: The european initiative for nuclear physics with stable ion beams'* (25'+5')

-14:40 Danilo Rifuggiato (LNS-Catania) *'Beam intensity upgrade of the LNS Superconducting Cyclotron'* (25'+5')

Session 1: Reaction mechanisms with stable and exotic beams

Conveners: Remi Bougault (LPC–Caen) - Fabiana Gramegna (LNL-Legnaro)

Chair : Fabiana Gramegna (LNL-Legnaro)

-15:10 Francesco Cappuzzello (University of Catania and INFN-LNS) *'The status of the NUMEN project'* (25'+5')

-15:40 Alexis Diaz-Torres (ECT*-Trento) *'Evolution of transfer-like reactions from Coulomb to Fermi energy'* (25'+5')

-*coffee break*

-16:40 Emanuel Pollacco(IRFU-CEA-Saclay) *'On Instrumenting a Nuclear Physics Program'* (25'+5')

-17:10 Nicolas Le Neindre (LPC-Caen) *'FAZIA: a new versatile detector device for isospin physics'* (20'+5')

-17:35 Silvia Piantelli (INFN-Firenze) *'Recent results obtained with FAZIA detector'* (20'+5')

-18:00 Roman Planeta (Jagiellonian University-Kraków) *“Search for HyperHeavy toroidal nuclear systems formed in heavy ion collisions”*

(15'+5')

-18:20 *free contributions* (max 3 slides/speaker or 3') (10')

-18:30- End of Section

-20:30 – Social Dinner

December, 15th 2015 (Main Conference Room Laboratori Nazionali del Sud)

Session 2: Reactions and structure studies with Exotic Beam (In flight@LNS)

Conveners: G.Cardella (INFN-Catania) - Sara Pirrone (INFN-Catania)

Chair : Sara Pirrone (INFN-Catania)

-9:15 Giuseppe Cardella (INFN-Catania) *“Present possibility and status of In Flight exotic beam(FRIBs) at LNS”* (25'+5')

-9:45 Antonio Russo (LNS-Catania) *“The study of new FRIBs facility line”* (15'+5')

-10:05 Luigi Cosentino-Emanuele Pagano (LNS-Catania) *“Diagnostics of FRIBs beam transport line”* (5'+5')

-10:15 Marlene Assie (IPN-Orsay) *“ Neutron-proton pairing through transfer reactions”* (25'+5')

-10:45 Chiara Nociforo (GSI-Darmstad) *“ PID for in-flight radioactive ion separator”* (20'+5')

-*coffe break*

11:30 Clementina Agodi (INFN-LNS-Catania) *“ MAGNEX: studying exotic nuclei and isospin with RIB's and stable beams”* (20'+5')

-11:55 Danilo Bonanno (INFN- Catania) *“ Front-end and Read-out Electronics for the upgrade of the NUMEN FPD”* (10'+5')

Chair: Abdelouahad Chbihi (Ganil-Caen)

-12:10 Open discussion: *‘HIB@ LNS a new opportunity for HI physics‘*

Conveners: Giacomo Cuttone (LNS-Catania), Domenico Santonocito (LNS-Catania), Enrico De Filippo (INFN-Catania) (30')

-12:40 Fabiana Gramegna (LNL-Legnaro) *“Conclusive remarks“* (25'+5')

-13:10 lunch

-14.00 End of the workshop