



IV French-Italian meeting of the Associate European Laboratory (LEA-COLLIGA)

INFN Laboratori Nazionali di Legnaro

18-19 November 2010

Villi meeting room

Scientific Program

THURSDAY 18 November 2010

- 09:00 – 09:15 Registration
- 09:15 – 09:30 G. Fiorentini, *LNL Director* - Welcome
- 09:30 – 09:45 J. A. Scarpaci, *IPN Orsay* & F. Gramegna, *INFN LNL* - Welcome

Chair: A. Maj (IFJ PAN)

- 09:45 – 10:15 Direct Reaction with Spectrometers
A. Bonaccorso, *INFN Pisa*
- 10:15 – 10:45 Nuclear Structure with Beyond-Mean-Field Models
M. Grasso, *IPN Orsay*
- 10:45 – 11:15 Microscopic Studies of the Coupling between Nucleons and Shape Vibrations
G. Colò, *INFN & U. of Milano*
- 11:15 – 11:40 *Coffee break*

Chair: S. Pirrone (INFN CT)

- 11:40 – 12:10 Physics of a New Region of Deformation in Neutron-Rich Cr, Fe and Ni Isotopes
S. M. Lenzi, *INFN & U. of Padova*
- 12:10 – 12:40 The FARCOS Project - A Femtoscope ARray for CORrelations and Spectroscopy
G. Verde, *INFN Catania*
- 12:40 – 12:55 Single Chip Telescopes
S. Carboni, *INFN & U. of Firenze*
- 12:55 – 13:20 High Resolution Gamma Spectroscopy at SPES and SPIRAL2
A. Gadea, *CSIC Valencia*

13:30 – 15:00 *L u n c h*

Chair: D. Lacroix (GANIL)

- 15:00 – 15:25 Population of Neutron-Rich Nuclei around ^{48}Ca with Deep Inelastic Collisions
D. Montanari, *INFN Padova*
- 15:25 – 15:50 New Perspectives Opened by the MAGNEX-EDEN Facility at the LNS
F. Cappuzzello, *INFN LNS*
- 15:50 – 16:15 GPV Experiments and Results
S. Franchoo, *IPN Orsay*
- 16:15 – 16:35 Isospin Equilibration Processes and Cluster Production in Nuclear Dynamics
M. Papa, *INFN Catania*

16:35 – 17:00 *C o f f e e b r e a k*

Chair: B. Wadworth (York)

- 17:00 – 17:30 Theory of Nuclear Break-Up
D. Lacroix, *GANIL Caen*
- 17:30 – 17:55 ^{11}Be Halo Nuclei at Isolde
A. Di Pietro, *INFN LNS*
- 17:55 – 18:20 $^6\text{He} - ^6\text{Li}$
M. Assiè, *IPN Orsay*
- 18:20 – 18:45 Exploring ^{12}B Structure by ^8Li -Alpha Resonant Elastic Scattering
M. G. Pellegriti, *INFN LNS*

18:45 *E n d*

FRIDAY 19 November 2010

Chair: B. Borderie (IPNO)

- 09:00 - 09:35 SPIRAL2 Status
M. Lewitovitz, *GANIL Caen*
- 09:35 – 10:00 Activation and Radiation Damage Studies for the SPIRAL2 Neutron Converter
J. Bermúdez, *INFN LNL*
- 10:00 – 10:30 Advance on the Neutron Converter for the SPIRAL2 Project
L. Tecchio, *INFN LNL*
- 10:30 – 11:00 LPSC Charge Breeder Developments and the LNL/LPSC Collaboration for SPIRAL2 and SPES
T. Lamy, *LPSC Grenoble*
- 11:00 – 11:25 *Coffee break*

Chair: M. F. Rivet (IPNO)

- 11:25 – 11:45 Analysis Status of the AGATA Experiments on Collective Excitations
F. Crespi, *INFN Milano*
- 11:45 – 12:10 Isospin Mixing at Finite Temperature
F. Camera, *INFN Milano*
- 12:10 – 12:25 Measurements of Dynamical Dipole in N/Z Asymmetric Reactions with Garfield at LNL
A. Giaz, *INFN Milano*
- 12:25 – 13:00 Nuclear Alpha-Particle Condensation
B. Borderie, *IPN Orsay*
- 13:00 – 13:30 FAZIA - Phase2
R. Bougault, *LPC Caen*
- 13:30 – 15:00 *Lunch*

Chair: G. La Rana (Napoli)

- 15:00 – 15:30 Astro-Experiments Tandem-Orsay
N. DeSereville, *IPN Orsay*
- 15:30 – 15:50 Indirect Study of the $^2\text{H}(d,p)^3\text{H}$ and $^2\text{H}(d,n)^3\text{He}$ Reactions at Astrophysical Energies
via the Trojan Horse Method
A. Tumino, *INFN LNS & U. of Enna*
- 15:50 – 16:10 AGB Star Nucleosynthesis: the $^{17}\text{O}(p,\alpha)^{14}\text{N}$ and $^{18}\text{O}(p,\alpha)^{15}\text{N}$ Resonance Reactions
M. La Cognata, *INFN LNS & U. of Catania*
- 16:10 – 16:40 Status of the LENOS R&D and Spinoff
P. F. Mastinu, *INFN LNL*
- 16:40 – 17:00 SPES: High Intensity Proton-Neutron Facility Status
E. Fagotti, *INFN LNL*
- 17:00 – 17:30 Concluding Remarks
G. Fiorentini, *LNL Director* & F. Azaiez, *IPN Orsay Director*
- 17:30 ***E n d***