

Scientific Program

Sunday 9 June 2013 – Caffè Pedrocchi

18:00 – 20:00 *Welcome Cocktail and Registration*

Monday 10 June 2013 – Archivio Antico, Palazzo del Bo'

08:45 Registration

9:00 – 10:30: *Chair: A. Bracco*

9:00 *Welcome by* GNESOTTO Francesco, *Pro-rector, Univ. Padova*
SORAMEL Francesca, *Director, DFA Univ. Padova*
MEZZETTO Mauro, *Director, INFN Padova*

09:15 *In memoriam of Enrico Farnea* BAZZACCO, Dino

09:30 Gamma-ray spectroscopy at GANIL DE FRANCE, Gilles

10:00 The N=20–28 and N=40 islands of inversion: the physics picture POVES, Alfredo

10:30 – 11:00 *Coffee break at Caffè Pedrocchi*

11:00 – 12:40 *Chair: G. Georgiev*

11:00 The PRESPEC–AGATA in-beam spectroscopy campaign at GSI GERL, Jürgen

11:30 Medium-mass nuclei from chiral effective field theory interactions SOMÀ, Vittorio

12:00 The AGATA campaign at GANIL CLÉMENT, Emmanuel

12:20 The strange case of ^{210}Hg : an unexpected structure GOTTARDO, Andrea

12:35 – 14:00 *Lunch*

14:00 – 16:10 Chair: P. Bednarczyk

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| 14:00 | GRETINA: status and future plans | LEE, I–Yang |
| 14:30 | Exotic structure and decay of medium mass nuclei near the drip lines within beyond–mean–field approach | PETROVICI, Alexandrina |
| 15:00 | On the elusive links between high–K and low–K states in ^{176}Lu and ^{180}Ta | DRACOULIS, George |
| 15:20 | Evolution of collectivity in the vicinity of Pb–208 | SARMIENTO, Luis |
| 15:40 | Study of highly–excited states in ^{140}Ce via inelastic scattering of ^{17}O | KRZYSIEK, Mateusz |
| 15:55 | Neutron rich Ni isotopes studied by intermediate energy knock–out reactions | RECCHIA, Francesco |

16:10 – 16:40 Coffee break at Caffè Pedrocchi

16:40 – 18:30 Chair: G. Benzoni

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| 16:40 | Decay spectroscopy of exotic nuclei at RIBF | NISHIMURA, Shunji |
| 17:10 | In beam gamma–ray spectroscopy at the RIBF | DOORNENBAL, Pieter |
| 17:40 | High–spin yrast isomers in ^{204}Hg | WRZESIŃSKI, Jacek |
| 17:55 | Study of shape transitions in the neutron–rich Os isotopes | JOHN, Philipp Rudolf |
| 18:10 | Configurations and decay hindrances of high–K states in ^{180}Hf | TANDEL, Sujit K. |

Tuesday 11 June 2013 – Aula Nievo, Palazzo del Bo'

08:45 – 10:25 *Chair: A. Nannini*

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| 08:45 | Investigation of exotic nuclei with absolute transition probabilities | DEWALD, Alfred |
| 09:15 | Nuclear structure studies of heavy nuclei | GREENLEES, Paul |
| 09:45 | Differential plunger lifetime measurements of Proton–Unbound Nuclear States (DPUNS) | CULLEN, David |
| 10:05 | Gamma spectroscopy in the fermium region at SHIP | ANTALIC, Stanislav |

10:25 – 10:55 *Coffee break at Caffè Pedrocchi*

10:55 – 12:35 *Chair: G. Dracoulis*

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| 10:55 | Gamma-ray spectroscopy with GRETINA at NSCL | WEISSHAAR, Dirk |
| 11:25 | Study of nucleon transfer and knockout reactions with high–resolution gamma–ray spectroscopy | KRÖLL, Thorsten |
| 11:55 | Collectivity in N=Z mass 70 nuclei | NICHOLS, Adam |
| 12:15 | Coulomb excitation of re–accelerated $^{208,210}\text{Rn}$ and ^{206}Po at MINIBALL | GRAHN, Tuomas |

12:35 – 14:00 *Lunch*

14:00 – 16:10 Chair: J. Gerl

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| 14:00 | From GASP to ROSPHERE: gamma-ray spectroscopy at NIPNE – Bucharest | BUCURESCU, Dorel |
| 14:30 | Gamma spectroscopy as a tool to search for particle–phonon coupled states: status and perspectives | LEONI, Silvia |
| 15:00 | The $49/2^+$ Isomer in ^{147}Gd – study of the most complex isomeric decay | BRODA, Rafał |
| 15:20 | Lifetime measurements by Doppler methods with the ROSPHERE array | MIHAI, Constantin |
| 15:40 | The continuous–angle Doppler–shift attenuation method – sub–picosecond lifetime measurements with position–sensitive HPGe detector arrays | STAHL, Christian |
| 15:55 | Collectivity in neutron–rich Co and Mn isotopes going towards $N = 40$ | MODAMIO HOYBJOR, Victor |

16:10 – 17:10 *Transfer to Legnaro National Laboratories by bus. Meeting point: Piazza Garibaldi – Pointer G in the included map – Departure at 16:30*

Aula Villi, Legnaro National Laboratories

17:10 – 17:15 *Welcome by FIORENTINI Giovanni, LNL Director*

17:15 – 19:05 Chair: N. Mărginean

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| 17:15 | Mirror displacement energies and neutron skins | ZUKER, Andres P. |
| 17:45 | Mirror energy differences and the $J=2$ anomaly | LENZI, Silvia Monica |
| 18:15 | The SPES RIB facility | PRETE, Gianfranco |
| 18:40 | The GALILEO gamma–ray array | UR, Călin Alexandru |

19:05 – 19:40 VISIT to LNL

20:00 – 22:00 Social Dinner at Ristorante Baretta, Legnaro

Wednesday 12 June 2013 – Aula Nievo, Palazzo del Bo'

08:45 – 10:45 *Chair: G. de France*

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| 08:45 | Gamma-ray spectroscopy at an external neutron beam of the Institut Laue-Langevin | JENTSCHEL, Michael |
| 09:15 | Structure of exotic nuclei through nuclear moment and transition probability studies | GEORGIEV, Georgi |
| 09:45 | Investigation of high spin states near N=50 shell closure in search for emergence of collectivity using INGA | PALIT, Rudrajyoti |
| 10:00 | Collectivity of the 4^+ state in ^{70}Zn studied via Coulomb excitation | ZIELINSKA, Magda |
| 10:15 | Isospin symmetry violation in sd shell nuclei | LAM, Yi Hua |
| 10:30 | Nuclear shape evolution through lifetime measurement in neutron rich nuclei | GRENTE, Lucie |

10:45 – 11:15 *Coffee break at Caffè Pedrocchi*

11:15 – 13:30 *Chair: R. Broda*

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| 11:15 | Gamma-ray spectroscopy with large volume scintillator detectors | CAMERA, Franco |
| 11:45 | Gamma-ray spectroscopy at TRIUMF-ISAC: recent results, perspectives and future opportunities | WANG, Zhimin |
| 12:15 | NEDA: NEutron Detector Array for spectroscopy studies | HÜYÜK, Tayfun |
| 12:30 | Agata modules as Compton polarimeters for the measurement of gamma-ray linear polarization | MELON, Barbara |
| 12:45 | Simulating the position sensitivity of the segmented iThemba LABS HPGe detector | NONCOLELA, Sive |
| 13:00 | In-vivo range measurement of therapeutic protons from prompt gamma emission | ALARCON, Ricardo |
| 13:15 | Closing session | |

13:30 *Lunch*

14:25 – 15:30 *Guided visit to Palazzo del Bo'*

Meeting point in the New Court of Palazzo del Bo'