



## Symposium Italy- Japan 2012 on Nuclear Physics Milano 20-23 November 2012

Aula delle Scienze- Università degli Studi di Milano

Via Festa del Perdono, Milano

### *Preliminary Program*

#### Monday 19 November

19.30 *Welcome Cocktail at  
restaurant Manhattan*

#### Tuesday 20 November 2012

- CHAIR:** Eugenio Nappi (INFN management board)
- 9:00-9:05 Chiara Meroni- Welcome –INFN Director of Milano section
- 9:05-9:15 Angela Bracco - Introduction
- 9:15-9:45 **Mauro Taiuti** (Genova)  
*Overview of the Nuclear Physics activity within INFN*
- 9:45-10:15 **Giacomo Cuttone** (LNS, Catania)  
*Overview of the activity at the INFN laboratory LNS*
- 10:15-10:45 **Kosuke Morita** (RIKEN)  
*Research on Superheavy element at RIKEN*
- 10:45-11:15 **Tomohiro Uesaka** (RIKEN)  
*Overview of the RIBF*

11:15-11.40 **COFFEE BREAK**

**CHAIR:** XXXX

11:40-12:10 **Sandro Rossi** (CNAO, Pavia)  
*The CNAO facility for hadron therapy*

12:10-12:40 **Marco Ripani** (Genova)  
*Research on Nuclear Energy*

12:40-13:10 **Nicola Colonna** (Bari)  
*Results from the  $n$ \_TOF experiment*

**13:10-14:30 LUNCH BREAK**

**CHAIR:** XXXX

14:30-15:00 **Giovanni Fiorentini** (LNL)  
*Overview of the activities at LNL*

15:00-15:30 **Gianfranco Prete** (LNL)  
*Status of the SPES Project*

15:30-16:00 **Takaharu Otsuka** (CNS, U. Tokyo)  
*Neutron-rich exotic nuclei with  $Z \sim 28$  and Monte Carlo Shell Model*

16:00-16:30 **Silvia Lenzi** (Padova)  
*Nuclear interactions in nuclei far from stability*

**16:30-16.50 COFFEE BREAK**

**CHAIR:** XXXX

16:50-17:20 **Yutaka Utsuno** (JAEA)  
*Shell evolution in neutron-rich calcium region*

17:20-17:50 **Silvia Leoni** (Milano)  
*Particle vibration couplings in neutron-rich calcium region*

17:50-18:20 **Toshio Suzuki** (Nihon U.)  
*Nuclear Structure and Nuclear Astrophysical Processes*

18:20-18:50 **Claudio Spitaleri** (LNS, Catania)  
*Nuclear astrophysics at LNS*

## Wednesday 21 November 2012

**CHAIR:** XXXX

9:00-9:30 **Lucia Votano** (LNGS)  
*Overview of the activity at LNGS*

9:30-10:00 **Alessandra Guglielmetti** (Milano)  
*The status of the LUNA experiment*

10:00-10:30 **Mitsuhiro Fukuda** (RCNP)  
*RCNP Cyclotron facility*

13:00-11.00 **COFFEE BREAK**

**CHAIR:** XXXX

11:00-11:30 **Takeshi Murakami** (HIMAC)  
*Carbon Ion Radiotherapy at HIMAC*

11:30-12:00 **Kouichi Hagino**(Tohoku U.)  
*Subbarrier fusion reactions and multi-neutron transfer*

12:00-12:30 **Jenny Pierroussaku** (Napoli)  
*Nuclear reaction studies with the EXOTIC set up at LNL*

12:30-14:00 **LUNCH BREAK**

**CHAIR:** XXXX

14:00-14:30 **Piero Mando'** (Firenze)  
*Overview of the activities at LABEC*

14:30-15:00 **Atsushi Kimura** (JAEA)  
*Activities of Nuclear Data Measurements using the ANNRI in J-PARC/MLF*

15:00-15:30 **Atsuko Odahara** (Osaka)  
*Shape evolutions studied at EURICA and RCNP facilities of in-beam gamma-ray spectroscopy*

15:30-16:00 **Enrico Farnea** (Padova)  
*Selected results from the experimental campaign of the AGATA Demonstrator at LNL*

16:00-16.20 **COFFEE BREAK**

**CHAIR:** XXXX

16:20-16:50 **Rosario Nania** (Bologna)  
*The latest results from ALICE*

16:50-17:20 **Tatsuya Chujo** (Tsukuba)  
*High energy heavy ion collisions at LHC*

17:20-17:50 **Giuseppe Verde** (Catania)  
*Accessing the isospin dependent equation of state with heavy-ion collision dynamics*

17:50-18:20 **Toshiki Maruyama** (JAEA)  
*Structure and properties of nuclear matter in compact stars*

## Thursday 22 November 2012

**CHAIR:** XXXX

9:00-9:30 **Nori Aoi** (RCNP)

*In-beam gamma-ray spectroscopy of unstable nuclei in Japan*

9:30-10:00 **Angela Bonaccorso** (Pisa)

*Direct reactions with unstable nuclei*

10:00-10:30 **Koichi Sato** (RIKEN)

*Microscopic approach to large-amplitude deformation dynamics with local QRPA*

10:30-11:00 **Hidetoshi Yamaguchi** (CNS)

*Studying nuclear reactions with the low-energy RI beam separator CRIB*

11:00-11.20 **COFFEE BREAK**

**CHAIR:** XXXX

11:20-11:50 **Susumu Shimoura** (CNS)

*High-resolution missing-mass spectroscopy using intermediate-energy RI beams*

11:50-12:20 **Hiroari Miyatake** (KEK)

*Present status of the KISS project*

12:20-12:50 **Kazuhito Mizuyama** (RCNP)

*Self-consistent microscopic description of neutron scattering by  $^{16}\text{O}$  based on the continuum particle-vibration coupling method.*

12:50-14:30 **LUNCH BREAK**

**CHAIR:** XXXX

14:30-15:00 **Valeria Muccifora** (Frascati)

*Overview of the activities at LNF*

15:00-15:30 **Tomofumi Nagae** (Kyoto)

*J-PARC Hadron Facility and Strangeness Nuclear Physics 12:20-12:50*

15:30-16:00 **Alessandro Feliciello** (Torino)

*Latest results from FINUDA*

16:00-16.30 **COFFEE BREAK**

**CHAIR:** XXXX

16:30- 17:00 **Takashi Nakano** (RCPN)  
*Hadron Physics at LEPS and ELPH*

17:00- 17:30 **Catalina Curceanu** (LNF)  
*The results of the 15 years long collaboration between Italy and Japan in studies of kaonic atoms*

17:30- 18:00 **Tohru Motobayashi** (RIKEN)  
*Final remarks*

20:00 **CONFERENCE DINNER**