

Dear colleagues,

this is the final circular for the “SPES one-day Workshop on the Physics at SPES with non re-accelerated beams”, to be held in Milano on April 20<sup>th</sup>-21<sup>st</sup> 2015.

The workshop will start on Monday at 2:15 pm and is planned to finish on Tuesday at lunch time, 1pm.

Please find below some useful practical details and the final program of the workshop.

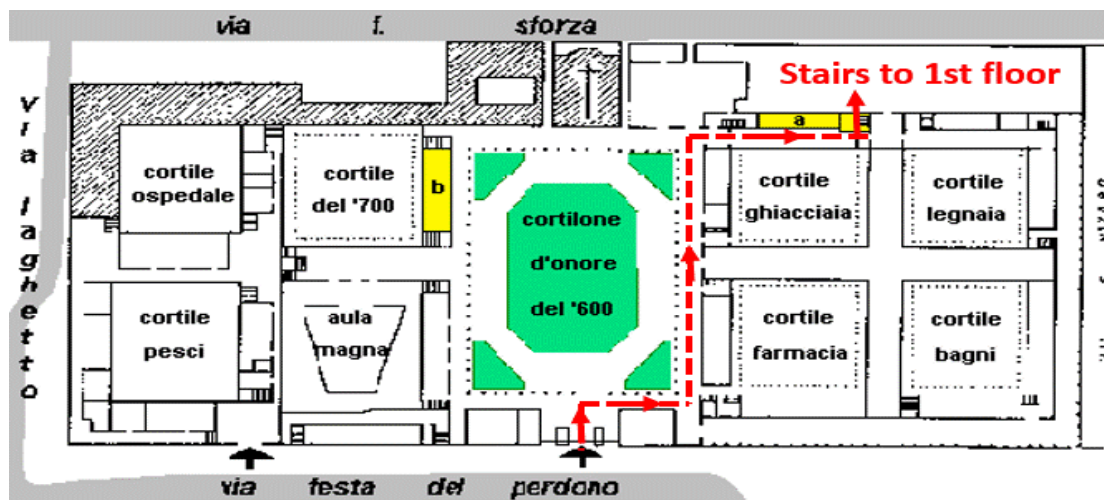
The following information is also found on the workshop web-page:

<https://agenda.infn.it/conferenceDisplay.py?confId=9083>

- Location:

The workshop will be held in Sala Crociera Alta di Studi Umanistici, Via Festa del Perdono 7, Milano.

Here is a map of the inner yard of the University: the red path guides you to the room, which is located on the first floor.



- Wi-Fi access:

Free wireless access is granted to the participants using the “unimi-convegni” open network.

- Social Dinner:

We organize a social dinner at “Ristorante La Rena”, Via Festa del Perdono 1, walking distance from the workshop location.

We agreed on a set menu of fish at the cost of 35Euro/person.

Please let us know if you have any dietary restriction.

We also ask you to please inform us in case you are NOT planning to take part in the dinner.

Milano, 15/04/2015

The organizing committee,

Giovanna Benzoni  
Gianluca Colo'

## Monday 20<sup>th</sup> April

### Session I

**Chairman G. La Rana**

- 14:15 -14:30 Welcome addresses:  
C. Meroni, Director of INFN Milano  
L. Perini, Director of the Department of Physics of University of Milano  
M.Taiuti, President of CSN3 Nuclear Physics Committee of INFN
- 14:30 - 14:55 Status of the SPES project (20'+5')  
*G. Prete (LNL- Legnaro- Italy)*
- 14:55 – 15:20 SPES: updated information for users (20'+5')  
*F. Gramegna (LNL- Legnaro- Italy)*
- 15:20 – 15:45 Beta decay as an absolute calibration probe for spin-isospin responses (20'+5')  
*H. Sakai (RIKEN - Japan)*
- 15:45 – 16:15 Coffee Break

### Session II

**Chairman A. Vitturi**

- 16:15 – 16:40 Pushing the precision and sensitivity frontier: Lessons from the TRIUMF beta-decay program (20'+5')  
*P. Garrett (University of Guelph - Canada)*
- 16:40 – 17:00 Particle-vibration coupling effects on beta-decay of magic nuclei (15'+5')  
*Y. Niu (INFN sezione di Milano - Italy)*
- 17:00 – 17:25 The Alto photofission facility at IPN Orsay (20'+5')  
*S. Franchoo (IPNO - France)*
- 17:25 – 17:50 Decay Spectroscopy with MTAS and VANDLE (20'+5')  
*C. Gross (Oak Ridge National Lab. - USA)*
- 17:50 – 18:10 Decay studies around <sup>78</sup>Ni (15'+5')  
*A.I. Morales- Lopez (Universita' degli Studi/INFN Milano - Italy)*
- 18:10 – 18:35 Physics opportunities with atomic physics techniques to probe nuclear ground-state properties (20'+5')  
*M. Kowalska (CERN - Switzerland)*

## Tuesday 21<sup>st</sup> April

### Session III

**Chairman H.Sakai**

- 9:00 – 9:25 Overview of decay spectroscopy at RIBF (20'+5')  
*H. Watanabe (RIKEN/Beihang University – Japan/China)*
- 9:25 – 9:50 Beta-decay properties of neutron rich nuclei (20'+5')  
*T. Marketin (University of Zagreb - Croatia)*
- 9:50 – 10:10 Beta-delayed neutron spectroscopy using a transparent Paul trap (15'+5')  
*S. Grevy (CENBG - France)*
- 10:10 – 10:30 Beta-decay studies of nuclei near the 1st r-process peak at SPES: challenges and opportunities (15'+5')  
*T. Kurtukian- Nieto (CENBG-CNRS - France)*

10:30 – 10:50 The Isolde Decay Station: Year 1 and near future physics program (15'+5')  
*M. Madurga Flores (CERN – Switzerland)*

10:50 – 11:10 Coffee Break

#### **Session IV**

**Chairman N. Alamanos**

11:10 – 11:30 Neutron-rich nuclei produced at ALTO: investigations of decay properties and the nuclear structure via beta decay (15'+5')  
*D. Testov (JINR Dubna/INFN Legnaro – Russia/Italy)*

11:30 – 11:55 Beta-decay studies for nuclear structure, astrophysics and applications (20'+5')  
*A. Algora (IFIC Valencia – Spain)*

11:55 – 12:10 An ISOL-target project within the context of the J-PARC ADS Target Test Facility (10'+5')  
*R. Orlandi (ASRC - Japan Atomic Energy Agency – Japan)*

12:10 – 12:25 TOF measurements at SPES (10'+5')  
*G. de Angelis (LNL – Italy)*

12:25 – 13:00 Discussion