



SPES one-day workshop “Physics at SPES with non re-accelerated beams”

April 20th-21st 2015

Sala Crociera Alta di Studi Umanistici

Universita' degli Studi di Milano

Via Festa del Perdono, 7

Milano



Monday 20th April

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|---------------|--|
| 14:15 -14:30 | Welcome |
| 14:30 - 14:55 | Status of the SPES project (20'+5')
<i>G. Prete (LNL- Legnaro- Italy)</i> |
| 14:55 – 15:20 | SPES: updated information for users (20'+5')
<i>F. Gramegna (LNL- Legnaro- Italy)</i> |
| 15:20 – 15:45 | Beta decay as an absolute calibration probe for spin-isospin responses (20'+5')
<i>H. Sakai (RIKEN - Japan)</i> |
| 15:45 – 16:15 | Coffee Break |
| 16:15 – 16:40 | Pushing the precision and sensitivity frontier: Lessons from the TRIUMF beta-decay program (20'+5')
<i>P. Garrett (University of Guelph - Canada)</i> |
| 16:40 – 17:05 | Physics opportunities with atomic physics techniques to probe nuclear ground-state properties (20'+5')
<i>M. Kowalska (CERN - Switzerland)</i> |
| 17:05 – 17:30 | The Alto photofission facility at IPN Orsay (20'+5')
<i>S. Franchoo (IPNO - France)</i> |
| 17:30 – 17:55 | Decay Spectroscopy with MTAS and VANDLE (20'+5')
<i>C. Gross (Oak Ridge National Lab. - USA)</i> |
| 17:55 – 18:15 | The Isolde Decay Station: Year 1 and near future physics program (15'+5')
<i>M. Madurga Flores (CERN – Switzerland)</i> |
| 18:15 – 18:35 | Particle-vibration coupling effects on beta-decay of magic nuclei (15'+5')
<i>Y. Niu (INFN sezione di Milano - Italy)</i> |

Tuesday 21st April

- 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 Decay studies around ⁷⁸Ni (15'+5')
A.I. Morales- Lopez (Universita' degli Studi/INFN Milano - Italy)
- 10:50 – 11:10 Coffee Break
- 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