

One-day workshop on “**New Vistas on Nuclear Dynamics: Shapes, Spin and Isospin**”
PROGRAM

As already announced, the aim of the workshop is to bring together theorists and experimentalists, and discuss new developments at the cutting edge of nuclear structure research, regarding in particular neutron-rich nuclei, new types of nuclear excitation modes, isospin symmetry and its breaking, the nuclear equation of state, new shape isomers and prospects in the domain of super-heavy nuclei.

The date is February 27th, and the venue is “Sala Consiglio”, Department of Physics, University of Milano (Via Celoria 16, Milano, Italy).

9.30-9.40 Opening

9.40-10.20 H. Sagawa (RIKEN and University of Aizu): Equation of State (EoS) from terrestrial experiments and celestial observables

10.20-11.00 F. Crespi (University of Milano and INFN): Gamma decay of pygmy states in $^{90,94}\text{Zr}$ from inelastic scattering of light ions

11-11.30 Coffee break

11.30-12.10 S. Yoshida (Hosei University): Density distributions of $^{48,40}\text{Ca}$

12.10-12.50 S. Shihang (University of Milano and INFN): Nuclear density functional with *ab initio* input of neutron drops

12.50-14 Lunch

14-14.40 H. Sakai (RIKEN): Search for a new element at RIKEN Nishina Center

14.40-15.20 L. Iskra (University of Milano and INFN): Shape evolution in the Y isotopic chain in the $N=60$ region

15.20-16.00 G. Gosta (University of Milano and INFN): Status report on Isospin mixing study via GDR decay experiments

16.00-16.30 Coffee break

16.30-17.10 S. Bottoni (University of Milano and INFN): Hybridization phenomena in neutron-rich nuclei

17.10-17.50 T. Naito (University of Tokyo): Coulomb Energy Density Functionals for Nuclear Systems