

Tuesday, 30 October 2018 (UNITS)

Adventures in PhysicsLand

'The future of Physics seen by young researchers'

1st meeting of PhD students in Physics

PROGRAMME

Tuesday 30 October 2018

Registration (09:00-09:30)

Opening greetings (09:30-09:45)

- **Presenter:** LONGO, Francesco

Plenary discussion session

Modelling the chemical evolution of the Milky Way (09:45-10:00)

- **Presenter:** GRISONI, Valeria (UniTS)

Chemical evolution and IMF in early-type galaxies (10:00-10:20)

- **Presenter:** DE MASI, Carlo Maria (UniTS)

Cosmic neutrinos and galactic feedback (10:20-10:35)

- **Presenter:** PARIMBELLI, Gabriele

Merging rates of compact binaries in galaxies: Perspectives for gravitational waves detection with AdvLIGO/Virgo (10:40-10:55)

- **Presenter:** BOCO, Lumen (SISSA)

Coffee break (11:00-11:30)

Modified gravity with galaxy cluster mass profiles (11:30-11:45)

- **Presenter:** PIZZUTI, Lorenzo (UniTS)

Modelling the large-scale halo bispectrum (11:45-12)

- **Presenter:** ODDO, Andrea (SISSA)

Learning to flock, flocking to learn (12-12:10)

- **Presenter:** DURVE, Mihir

Azimuthal asymmetries in SIDIS (12:10-12:25)

- **Presenter:** MORETTI, Andrea

Polarized quark jets (12:25-12:40)

- **Presenter:** KERBIZI, Albi

(title not available) (12:40-12:55)

- **Presenter:** BROMBAL, Luca

Lunch (13:00-15:00)

Poster session (15:00-16:00)

Measurement of the $pp \rightarrow Z/W\gamma\gamma$ cross sections and limits on aQGC at $\sqrt{s}=13$ TeV at CMS (15:00-16:30)

- **Presenters:** DA ROLD, Alessandro; VAZZOLER, Federico

UV resonant Raman spectroscopy as a technique to study protein aggregation (15:00-16:30)

- **Presenter:** PACHETTI, Maria

Dynamics of supercoiled DNA with complex knots (15:00-16:30)

- **Presenter:** CORONEL, Lucia

The role of black holes in cosmological simulations (15:00-16:30)

- **Presenter:** BASSINI, Luigi

Approximated simulations of the Universe with modified gravity (15:00-16:30)

- **Presenter:** MORETTI, Chiara

(title not available)(15:00-16:30)

- **Presenter:** PAPALE, Andrea

Coffe break (16:30-17:00)

Round Table (17:00-18:30)

“The future of Physics described by experts...”

- **Speakers:** CANDELISE, Vieri (INFN)
FIORE, Fabrizio (INAF);
LANCERI, Livio (UNITS);
FRANCIOSI, Alfonso (ELETTRA) ;
URBANO, Alfredo (SISSA/TPP);