

TIMETABLE

GWs = gravitational waves; DM = dark matter; MM = multimessenger

Monday, 4 June 2018

Morning (GWs)

9:00 – 9:55 (45 + 10) **S. Klimenko** (Gravitational wave bursts: Detection with minimal assumptions)

9:55 – 10:20 (20 + 5) **G. Guidi** (LIGO-Virgo GW observations in the era of multi-messenger astronomy)

10:20 – 10:45 (20 + 5) **G. Guidi** (Tests of general relativity with gravitational wave observations)

10:45 – 11:15 *Coffee break*

11:15 – 11:40 (20 + 5) **D. Keitel** (LIGO-Virgo efforts to study the post-merger remnant of the GW170817 event)

11:40 – 12:05 (20 + 5) **B. Haskell** (Astrophysical sources of continuous gravitational waves)

12:05 – 12:30 (20 + 5) **I. Jones** (Data Analysis techniques to perform Continuous-Wave searches)

12:30 – 12:55 (20 + 5) **S. Mastrogiovanni** (Looking for gravitational waves from poorly known neutron stars)

13:00 – 14:30 *Lunch*

Afternoon (DM)

14:30 – 15:25 (45 + 10) **R. Caputo** (Overview of Dark Matter)

15:25 – 15:50 (20 + 5) **G. Cavoto** (Novel technologies for direct dark matter detection)

15:50 – 16:15 (20 + 5) **A. Tykhonov** (First Results from the DAMPE Mission)

16:15 – 16:45 *Coffee break*

16:45 – 17:40 (45 + 10) **C. Galbiati** (A Unified Program of Argon Dark Matter Searches: DarkSide-20k and The Global Argon Dark Matter Collaboration)

17:40 – 18:05 (20 + 5) **A. Olivares** (Connections between neutrinos and dark matter at the cosmological level)

18:05 – 18:25 (20 + 5) **K. Kotake** (Neutrino and Gravitational-wave Signatures of Core-Collapse Supernovae)

Tuesday, 5 June 2018

Morning (DM & Cosmology)

9:00 – 9:55 (45 + 10) **A. Urbano** (Axions and General Relativity)

9:55 – 10:20 (20 + 5) **C. de los Heros** (Dark Matter searches with IceCube)

10:20 – 10:45 (20 + 5) **M. Isi** (Gravitational waves from ultralight bosons)

10:45 – 11:15 *Coffee break*

11:15 – 11:40 (20 + 5) **T. Regimbau** (Cosmological implications of the first LIGO and Virgo detections)

11:40 – 12:05 (20 + 5) **E. Di Marco** (Status of Dark Matter searches in final states with jets at ATLAS and CMS)

12:05 – 12:30 (20 + 5) **V. Ippolito** (Status of Dark Matter searches in final states with missing transverse momentum and Higgs bosons, photons or vector bosons at ATLAS and CMS)

12:30– 12:55 (20 + 5) **S. Gozzini** (ANTARES dark matter searches and perspectives for KM3NeT)

13:00 – 14:30 *Lunch*

Afternoon (GWs)

14:30 – 15:25 (45 + 10) **E. Majorana** (Towards observational run O3 with Virgo detector)

15:25 – 15:50 (20 + 5) **L. Naticchioni** (Enhancing Advanced Virgo sensitivity with the re-integration of monolithic payloads)

15:50 – 16:15 (20 + 5) **F. Travasso** (Monolithic folded pendulum sensor for present and future interferometric detectors of gravitational waves)

16:15 – 16:45 *Coffee break*

16:45 – 17:10 (20 + 5) **E. Huerta** (Deep Neural Networks in the context of Gravitational-Wave searches)

17:10 – 17:35 (20 + 5) **R. Sharma** (Deep Learning Continuous Gravitational Waves)

17:35 – 18:00 (20 + 5) **M. Arca Sedda** (Using merged BHs spins and masses to infer the formation history of their progenitors)

18:00 – 19:00 *Poster session*

20:30 Social Dinner

Wednesday, 6 June 2018

Morning (MM)

9:00 – 9:55 (45 + 10) **Julie McEnery** (Gamma-ray Bursts - An Overview)

9:55 – 10:20 (20 + 5) **O. S. Salafia** (Overview: gamma-ray burst prompt and afterglow theory and models)

10:20 – 10:45 (20 + 5) **R. Aloisio** (Theoretical overview on high-energy neutrinos and ultra-high energy cosmic rays)

10:45 – 11:15 *Coffee break*

11:15 – 11:40 (20 + 5) **C. Finley** (Multi-messenger Results from the IceCube Neutrino Observatory)

11:40– 12:05 (20 + 5) **J. de Mello** (Multi-messenger astrophysics with the Pierre Auger Observatory)

12:05 – 12:30 (20 + 5) **B. De Lotto** (MAGIC multimessenger results and perspectives)

12:30– 12:55 (20 + 5) **P. Ubertini** (INTEGRAL observation of GW gamma ray counterparts and future perspectives)

13:00 – 14:30 *Lunch*

Afternoon (free or Trip)

Thursday, 7 June 2018

Morning (GWs)

9:00 – 9:55 (45 + 10) **Mike Landry** (LIGO Detector Status)

9:55 – 10:20 (20 + 5) **A. Krolak** (Application of Feldman-Cousins upper limits to gravitational wave data analysis)

10:20 – 10:45 (20 + 5) **G. Cusin** (Anisotropies in the astrophysical background of gravitational waves)

10:45 – 11:15 *Coffee break*

11:15 – 11:40 (20 + 5) **A. La Rana** (A historical perspective on the 3rd generation GW detectors: the early attempts for a joint European effort 1986-1994)

11:40– 12:05 (20 + 5) **R. Flaminio** (Status of the KAGRA detector)

12:05 – 12:30 (20 + 5) **M. Punturo** (Towards the 3rd generation of Gravitational Wave Observatories: The Einstein Telescope project)

12:30– 12:55 (20 + 5) **K. Holly-Bockelmann** (Supermassive Black Hole Formation as Revealed by LISA)

13:00 – 14:30 *Lunch*

Afternoon (MM)

14:30 – 15:25 (45 + 10) **Elena Pian** (Kilonovae: the cosmic foundries of heavy elements).

15:25 – 15:50 (20 + 5) **A. Perego** (Modelling of the EM counterpart of compact binary merger: ejecta, neutrinos and nucleosynthesis)

15:50 – 16:15 (20 + 5) **L. Piro** (The broad-band afterglow and the merger remnant of GW170817)

16:15 – 16:45 *Coffee break*

16:45 – 17:10 (20 + 5) **A. Coleiro** (Search for neutrino counterparts to gravitational wave events with the ANTARES telescope)

17:10 – 17:35 (20 + 5) **E. Pian** (The Transient High Energy Sky and Early Universe Surveyor - THESEUS)

17:35 – 18:00 (20 + 5) **D. Montanino** (Spectral Hardening of cosmic TeV photons in realistic extragalactic magnetic fields)

18:00 – 18:25 (20 + 5) **B. Patricelli** (Prospects for joint GW and gamma-ray EM observations of binary neutron star mergers)

18:25 – 18:50 (20 + 5) **A. Grado** (The search of GW optical counterpart in the Multi-Messenger Astronomy Era)

18:50 – 19:15 (20 + 5) **S. Yang** (Gravitational wave optical counterpart searching based on GRAWITA and DLT40 project)