



| MONDAY 5 SEPTEMBER    |               |                |  |
|-----------------------|---------------|----------------|--|
|                       | CODE          | SPEAKER        | TITLE OF LECTURE   |
| 16:00-16:30           | S1            | A. Astorino    | Black Holes in a Swirling Universe   |
| 16:30-17:00           | S2            | J. Ovalle      | Regular Black Holes Without Cauchy Horizons  |
| 17:00-17:30           | S3            | U. Kumar       | Banks-Zaks Cosmology   |
| 17:30-18:00           | <b>COFFEE</b> |                |  |
| 18:00-18:30           | S4            | G. Gylchev     | Image of the Thin Accretion Disks in Gravity with Minimally Coupled Scalar Field                   |
| 18:30-19:00           | S5            | H. Culetu      | On a Modified Rindler Geometry   |
| 19:00-19:30           | S6            | G. Antoniou    | Quasinormal Modes and Viability of Spontaneous Scalarization                                       |
| TUESDAY 6 SEPTEMBER   |               |                |  |
|                       | CODE          | SPEAKER        | TITLE OF LECTURE   |
| 16:00-16:30           | S7            | G. Anastasiou  | Renormalized AdS Action from Conformal Invariants  |
| 16:30-17:00           | S8            | N. Chatzifotis | Scalarization of Chern-Simons Kerr Black Hole Solutions and Wormholes                              |
| 17:00-17:30           | S9            | P. Dorlis      | Axion Induced Angular Momentum Reversal in Kerr-like Black Holes                                   |
| 17:30-18:00           | <b>COFFEE</b> |                |  |
| 18:00-18:30           | S10           | A. Santos      | Redshift Estimation Using Machine Learning and Photometric Probability Evaluation Through K-d Tree |
| 18:30-19:00           | S11           | R. Dekhil      | A New Spin-foam Model Based on Edge Vectors  |
| WEDNESDAY 7 SEPTEMBER |               |                |  |
| EXCURSION             |               |                |  |
| THURSDAY 8 SEPTEMBER  |               |                |  |
|                       | CODE          | SPEAKER        | TITLE OF LECTURE   |

|             |                |                    |   |
|-------------|----------------|--------------------|---|
| 16:00-16:30 | S12            | Y. Dalianis        | Gravitational Waves and Primordial Black Hole Formation                                 |
| 16:30-17:00 | S13            | I. Araya           | CFT Correlators from Shape Deformations in Cubic Curvature Gravity                      |
| 17:00-17:30 | S14            | K. Staykov         | Axial Quasinormal Models of Gauss-Bonnet Black Holes with Self-interacting Scalar Field |
| 17:30-18:00 | <b>COFFEE</b>  |                    |   |
| 18:00-18:30 | S15            | P. Christodoulidis | Attractor Solutions and Features in the Power from Turns in Multi-field Inflation       |
| 18:30-19:00 | S16            | H. Kuan            | Gravitational Phase Transition in Massive Scalar-tensor Theory                          |
| 21:00       | <b>BANQUET</b> |                    |   |

**FRIDAY 9 SEPTEMBER**

|             | CODE          | SPEAKER           | TITLE OF LECTURE   |
|-------------|---------------|-------------------|--|
| 16:00-16:30 | S17           | B. Cuadros-Melgar | Superradiance in a Black Hole Surrounded by Anisotropic Fluids                   |
| 16:30-17:00 | S18           | N. Lecoeur        | From Black Holes to Wormholes in Scalar-tensor Gravity                           |
| 17:00-17:30 | S19           | L. Formigari      | Primordial Black Holes with Magnetic Fields as a Candidate for Fast Radio Bursts |
| 17:30-18:00 | <b>COFFEE</b> |                   |  |
| 18:00-18:30 | S20           | O. Schoen         | Compact Objects in Tensor-Multi-Scalar Theories via Post-Newtonian Approximation |
| 18:30-19:00 | S21           | A. Marins         | Extracting HI Information from Sky Maps with BINGO Telescope                     |

**MONDAY 12 SEPTEMBER**

|             | CODE          | SPEAKER      | TITLE OF LECTURE   |
|-------------|---------------|--------------|--|
| 16:00-16:30 | S22           | I. Saltas    | Searching for Dark Energy with the Sun   |
| 16:30-17:00 | S23           | B. Biswas    | Universal Love for Mass: Equation of State Insensitive Approach to Constrain Star Properties |
| 17:00-17:30 | S24           | S. Ramazanov | Shrouded Black Holes in Einstein-Gauss-Bonnet Gravity  |
| 17:30-18:00 | <b>COFFEE</b> |              |  |
| 18:00-18:30 | S25           | J. Melo      | Bispectrum in BINGO Project  |
| 18:30-19:00 | S26           | N. Karnesis  | Analyzing a Plethora of Signals in Future Gravitational Wave Astronomy                       |
| 19:00-19:30 | S27           | P. Manoharan | Finding Universal Relations using Statistical Data Analysis                                  |

| <b>TUESDAY 13 SEPTEMBER</b>   |               |                |  |
|-------------------------------|---------------|----------------|--|
|                               | <b>CODE</b>   | <b>SPEAKER</b> | <b>TITLE OF LECTURE</b>  |
| <b>16:00-16:30</b>            | S28           | A. Rincon      | Modifying General Relativity: a Scale-dependent Improvement  |
| <b>16:30-17:00</b>            | S29           | G. Ventagli    | Neutron Star Scalarization with Gauss-Bonnet and Ricci Scalar Couplings                              |
| <b>17:00-17:30</b>            | S30           | A.. Bakopoulos | Compact Objects of Spherical Symmetry in Beyond Horndeski Theories                                   |
| <b>17:30-18:00</b>            | <b>COFFEE</b> |                |  |
| <b>18:00-18:30</b>            | S31           | S. Mougikakos  | Recent Advances in QFT Methods for Gravitational Wave Physics  |
| <b>18:30-19:00</b>            | S32           | C. Krueger     | Fast Rotating Relativistic Stars: Spectra and Stability without Approximation                        |
| <b>WEDNESDAY 14 SEPTEMBER</b> |               |                |  |
|                               | <b>CODE</b>   | <b>SPEAKER</b> | <b>TITLE OF LECTURE</b>  |
| <b>16:00-16:30</b>            | S33           | F. Duque       | Stability of the Fundamental Quasinormal Mode in Time-Domain Observations: The Elephant and the Flea |
| <b>16:30-17:00</b>            | S34           | D. Tseneklidou | A new Approach to Core-collapse Supernovae Asteroseismology from Gravitational Waves                 |
| <b>17:00-17:30</b>            | <b>COFFEE</b> |                |  |