



# 28th Texas Symposium on Relativistic Astrophysics

## Monday, December 14, 2015

### Plenary talks - Level 0, Room 2 (9:35 AM - 10:45 AM)

| time     | [id] title   | presenter                |
|----------|--|--------------------------|
| 9:35 AM  | [104] First hundred years of GR: successes, status and prospects | Prof. PADMANABHAN, Thanu |
| 10:10 AM | [213] Relativistic effects in large-scale structure surveys      | BONVIN, Camille          |

### Plenary talks - Level 0, Room 2 (11:20 AM - 12:30 PM)

| time     | [id] title   | presenter             |
|----------|--|-----------------------|
| 11:20 AM | [440] CMB temperature and polarisation anisotropies: a goldmine for cosmology. | AGHANIM, Nabila       |
| 11:55 AM | [480] CMB spectral distortions   | Prof. SUNYAEV, Rashid |

## Tuesday, December 15, 2015

### Plenary talks - Level 0, Room 2 (9:00 AM - 10:45 AM)

| time     | [id] title   | presenter             |
|----------|--|-----------------------|
| 9:00 AM  | [489] A unifying description of dark energy                | LANGLOIS, David       |
| 9:35 AM  | [78] Dark matter detection - an experimental overview      | Prof. BAUDIS, Laura   |
| 10:10 AM | [14] Towards fundamental physics from cosmological surveys | Prof. PEIRIS, Hiranya |

### Plenary talks - Level 0, Room 2 (11:20 AM - 12:30 PM)

| time     | [id] title                                 | presenter           |
|----------|--|---------------------|
| 11:20 AM | [13] The equation of state of dense matter | Prof. WATTS, Anna   |
| 11:55 AM | [208] Status of the Advanced Virgo project | Prof. RICCI, Fulvio |

## Wednesday, December 16, 2015

### Plenary talks - Level 0, Room 2 (9:00 AM - 10:45 AM)

| time     | [id] title  | presenter                  |
|----------|---|----------------------------|
| 9:00 AM  | [463] Making waves: modeling gravitational waves from coalescing binary systems | Prof. BUONANNO, Alessandra |
| 9:35 AM  | [99] Rattle and shine by compact binaries mergers                               | Prof. LEHNER, Luis         |
| 10:10 AM | [7] Experimental tests of general relativity in binary systems                  | Prof. KRAMER, Michael      |

### Plenary talks - Level 0, Room 2 (11:20 AM - 12:30 PM)

| time     | [id] title   | presenter            |
|----------|--|----------------------|
| 11:20 AM | [90] Quantum effects on black holes: evaporation, tunnelling, information leak. Anything observable? | Prof. ROVELLI, Carlo |
| 11:55 AM | [168] The LHC and the Universe   | GIUDICE, Gian        |

# Thursday, December 17, 2015

## Plenary talks - Level 0, Room 2 (9:00 AM - 10:45 AM)

| time     | [id] title  | presenter             |
|----------|---|-----------------------|
| 9:00 AM  | [6] IceCube and the discovery of high-energy cosmic neutrinos | Prof. HALZEN, Francis |
| 9:35 AM  | [39] The gamma-ray Universe                                   | Prof. HINTON, Jim     |
| 10:10 AM | [48] Cosmic ray acceleration and transport                    | Prof. BLASI, Pasquale |

## Friday, December 18, 2015

### Plenary talks - Level 0, Room 2 (9:00 AM - 10:45 AM)

| time     | [id] title  | presenter             |
|----------|---|-----------------------|
| 9:00 AM  | [33] ESA gravitational wave observatory, eLISA and LISA Pathfinder                        | Prof. VITALE, Stefano |
| 9:35 AM  | [97] Exact solutions in astrophysics  | Prof. ISHAK, Mustapha |
| 10:10 AM | [42] Exploring gravity in the strong field regime with high throughput X-ray measurements | Prof. STELLA, Luigi   |

### Plenary talks - Level 0, Room 2 (11:20 AM - 12:30 PM)

| time     | [id] title   | presenter               |
|----------|--|-------------------------|
| 11:20 AM | [488] Heading into the abyss: X-ray spectral timing of accreting black holes | Prof. FABIAN, Andrew    |
| 11:55 AM | [167] Disks and jets   | TCHEKHOVSKOY, Alexander |