Session Program

13-18 Dec 2015



28th Texas Symposium on Relativistic Astrophysics

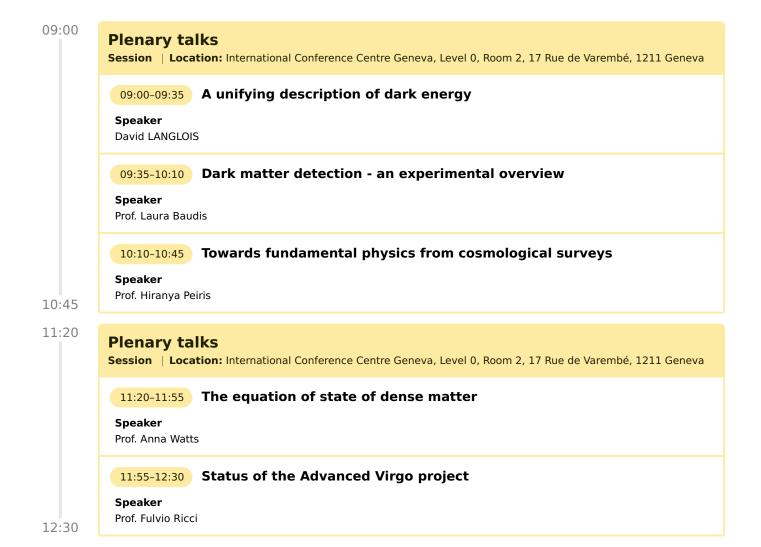
Plenary talks

International Conference Centre Geneva 17 Rue de Varembé, 1211 Geneva

Monday 14 December

09:35 **Plenary talks** Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva 09:35-10:10 First hundred years of GR: successes, status and prospects Prof. Thanu Padmanabhan 10:10-10:45 Relativistic effects in large-scale structure surveys Speaker Camille Bonvin 10:45 11:20 **Plenary talks** Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva 11:20-11:55 CMB temperature and polarisation anisotropies: a goldmine for cosmology. Speaker Nabila Aghanim 11:55-12:30 CMB spectral distortions Speaker Prof. Rashid Sunyaev 12:30

Tuesday 15 December



Wednesday 16 December

09:00 **Plenary talks** Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva 09:00-09:35 Making waves: modeling gravitational waves from coalescing binary systems Prof. Alessandra Buonanno 09:35-10:10 Rattle and shine by compact binaries mergers Speaker Prof. Luis Lehner 10:10-10:45 Experimental tests of general relativity in binary systems Speaker Prof. Michael KRAMER 10:45 11:20 Plenary talks Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva 11:20-11:55 Quantum effects on black holes: evaporation, tunnelling, information leak. Anything observable? Prof. Carlo Rovelli 11:55-12:30 The LHC and the Universe Speaker Gian Giudice 12:30

Thursday 17 December

Plenary talks
Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva

09:00-09:35 | IceCube and the discovery of high-energy cosmic neutrinos

Speaker
Prof. Francis Halzen

09:35-10:10 | The gamma-ray Universe

Speaker
Prof. Jim Hinton

10:10-10:45 | Cosmic ray acceleration and transport

Speaker
Prof. Pasquale Blasi

Friday 18 December

09:00 **Plenary talks** Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva 09:00-09:35 ESA gravitational wave observatory, eLISA and LISA Pathfinder Speaker Prof. Stefano Vitale 09:35-10:10 Exact solutions in astrophysics Speaker Prof. Mustapha Ishak 10:10-10:45 Exploring gravity in the strong field regime with high throughput X-ray measurements Speaker Prof. Luigi Stella 10:45 11:20 **Plenary talks** Session | Location: International Conference Centre Geneva, Level 0, Room 2, 17 Rue de Varembé, 1211 Geneva 11:20-11:55 Heading into the abyss: X-ray spectral timing of accreting black holes Speaker Prof. Andrew Fabian 11:55-12:30 **Disks and jets** Speaker Alexander Tchekhovskoy 12:30