

26th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2018)

Monday 23 July 2018

Dark Matter, Astroparticle Physics: Session 1 - Room C (15:00 - 17:00)

-Conveners: Jason Kumar

| time | [id] title | presenter |
|-------|--|-----------------------------|
| 15:00 | [248] Dark matter searches with ground based Cherenkov gamma-ray telescopes | Dr RICO, Javier |
| 15:20 | [216] Results from the ANTARES neutrino Telescope and perspectives for KM3NeT | Dr NAVAS CONCHA, Sergio |
| 15:40 | [213] Particle Physics with KM3NeT | ZORNOZA GOMEZ, Juan de Dios |
| 16:00 | [217] Attacking QCD uncertainties in Monte Carlo event generators for gamma-ray dark matter searches | AMOROSO, Simone |
| 16:20 | [204] Hidden local $U(1)$ symmetry realizing a neutrinophilic two-Higgs-doublet model with dark matter | NOMURA, Takaaki |

Dark Matter, Astroparticle Physics: Session 2 - Room C (17:30 - 18:30)

-Conveners: Jason Kumar

| time | [id] title | presenter |
|-------|--|-----------------------|
| 17:30 | [149] Core formation from self-heating dark matter | CHU, Xiaoyong |
| 17:50 | [202] Dark Matter Accretion in Neutron Stars | Dr GARANI, Raghuv eer |
| 18:10 | [206] Probing Inelastic Dark Matter with Neutron Stars | Dr ROBLES, Sandra |

Tuesday 24 July 2018

Dark Matter, Astroparticle Physics: Session 3 - Room C (14:30 - 16:30)

-Conveners: Malcolm Fairbairn

| time | [id] title | presenter |
|-------|---|-------------------------|
| 14:30 | [235] Results of the WIMP search with the XENON1T experiment | Ms AGOSTINI, Federica |
| 14:50 | [132] Darkside latest results and the future liquid argon dark matter program | SANTORELLI, Roberto |
| 15:10 | [222] ANAIS-112: A test of DAMA/LIBRA dark matter signal at the Canfranc Underground Laboratory | MARTINEZ, Maria |
| 15:30 | [81] Dark Sector searches with Belle II | GRAZIANI, Enrico |
| 15:50 | [176] Sub-MeV Dark Matter Interactions with Electrons: Cosmological Constraints and Detection Prospects | LEHMANN, Benjamin |
| 16:10 | [251] TeV Astroparticle Physics: Recent Highlights from VERITAS | Prof. MUKHERJEE, Reshmi |

Dark Matter, Astroparticle Physics: Session 4 - Room C (17:00 - 18:40)

-Conveners: Kazuki Sakurai

| time | [id] title | presenter |
|-------|---|--------------------|
| 17:00 | [187] Indirect detection of (Late-decoupling) Semi-Annihilating Dark Matter | SPRAY, Andrew |
| 17:20 | [58] J-factors for Velocity-Dependent Dark Matter Annihilation | Prof. KUMAR, Jason |
| 17:40 | [227] Sudakov log resummation for indirect detection of heavy WIMP dark matter | VOLLMANN, Martin |
| 18:00 | [143] Two scalar singlet Higgs Portal and the Anomaly-cancellation on a leptophobic Z'-mediator with axially coupled DM | QUILIS, Javier |
| 18:20 | [90] Stop annihilation into heavy quarks in DM@NLO | SCHMIEMANN, Saskia |

Wednesday 25 July 2018**Dark Matter, Astroparticle Physics: Session 5 - Room C (14:30 - 16:30)****-Conveners: Daniele Teresi; Daniele Teresi**

| time | [id] title | presenter |
|-------|---|------------------------|
| 14:30 | [76] Axions from Strings | GORGHETTO, Marco |
| 14:50 | [220] Light axino dark matter and freeze-in production | Dr BAE, Kyu Jung |
| 15:10 | [211] Spontaneous Leptogenesis in Continuum-Clockwork Axion Models | Dr KOST, Jeff |
| 15:30 | [150] Singlet-Triplet Higgs Portal Dark Matter | FILIMONOVA, Anastasiia |
| 15:50 | [228] Self-interacting dark matter and muon $g-2$ in a gauged $U(1)_{L_{\mu}} - L_{\tau}$ model | YANAGI, Keisuke |

Dark Matter, Astroparticle Physics: Session 6 - Room C (17:00 - 18:40)**-Conveners: Malcolm Fairbairn**

| time | [id] title | presenter |
|-------|--|------------------------------|
| 17:00 | [177] Revisiting the Dark Matter Relic Abundance Calculation: The Case of Early Kinetic Decoupling | Dr GUSTAFSSON, Michael |
| 17:20 | [91] Resonance enhancement of dark matter interactions: the case for early kinetic decoupling and velocity dependent resonance width | GRZADKOWSKI, Bohdan |
| 17:40 | [156] Duration of classicality of a degenerate quantum scalar field | Dr ENOMOTO, Seishi |
| 18:00 | [241] Unassociated Gamma-ray Sources as Targets for Indirect DM Detection with Fermi-LAT | Mr CORONADO-BLÁZQUEZ, Javier |
| 18:20 | [270] Effects of quantum statistics on relic density of Dark Radiation | OLECHOWSKI, Marek |

Thursday 26 July 2018**Dark Matter, Astroparticle Physics: Session 7 - Room C (14:30 - 16:30)****-Conveners: Felix Bruemmer**

| time | [id] title | presenter |
|-------|---|-----------------------------|
| 14:30 | [106] Dark Matter searches with the ATLAS Detector | QUEITSCH-MAITLAND, Michaela |
| 14:50 | [63] Searches for dark matter in non-hadronic final states at CMS | GHOSH, Shamik |
| 15:10 | [107] Searches for Dark Matter mediators with the ATLAS Detector | CREPE-RENAUDIN, Sabine |
| 15:30 | [142] Collider search for minimal dark matter | FUKUDA, Hajime |
| 15:50 | [96] Global perspectives on dark matter simplified models | BAGNASCHI, Emanuele Angelo |
| 16:10 | [260] Primordial Black Holes from Axions | Dr ROMPINEVE, Fabrizio |

Dark Matter, Astroparticle Physics: Session 8 - Room C (17:00 - 18:40)**-Conveners: Oleg Lebedev**

| time | [id] title | presenter |
|-------|---|----------------------------|
| 17:00 | [37] Next-to-minimal dark matter at colliders | BRUEMMER, Felix |
| 17:20 | [196] Probing ~100 GeV wino-like dark matter at the LHC | Dr MUNIR, Shoaib |
| 17:40 | [38] Higgs binoculars for dark matter searches | KAST, Simon |
| 18:00 | [95] Prospects for SUSY dark matter in light of LHC Run 2 results | BAGNASCHI, Emanuele Angelo |
| 18:20 | [207] Perspectives of monojet searches at the LHC on supersymmetric Dark Matter | BESKIDT, Conny Renate |