

27th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2019)

Monday 20 May 2019

Dark Matter, Astroparticle Physics - Nueces Ballroom A (14:00 - 16:00)

-Conveners: Brooks Thomas

time	[id] title	presenter
14:00	[119] Indirect detection constraints on a p-wave model through an s-wave bremsstrahlung process	CLARK, Steven
14:20	[183] Enhanced multi-body annihilation of dark matter	WU, Chih-Liang
14:40	[19] NLO corrections to dark matter annihilation with light scalar quarks	Dr KOVARIK, Karol
15:00	[191] Model-independent constraints on dark matter annihilation in dwarf spheroidal galaxies	SANDICK, Pearl
15:20	[169] Evidence against the decaying dark matter interpretation of the 3.5 keV line from blank sky observations	DESSERT, Christopher
15:40	[199] Dark sources of cosmic ray spikes on Earth's doorstep	LEHMANN, Benjamin

Dark Matter, Astroparticle Physics - Nueces Ballroom A (16:20 - 18:20)

-Conveners: Jason Kumar

time	[id] title	presenter
16:20	[3] Non-Abelian Vector Boson Dark Matter, its Unified Route and signatures at the LHC	Mr BARMAN, Basabendu
16:40	[12] Dark Matter Bound State Formation in a Z_2 model with Light Dark Photon and Light Dark Higgs Boson	Dr TANG, Yi-Lei
17:00	[223] A sub-GeV dark matter model	Mr GHOSH, Sumit
17:20	[11] Phenomenological Implications of Multipartite Dark Sector	Dr BHATTACHARYA, Subhaditya
17:40	[159] Dynamical Dark Matter at the Lifetime Frontier	Prof. THOMAS, Brooks
18:00	[93] The Inflaton Portal to a Highly decoupled EeV Dark-Matter Particle	Dr HEURTIER, Lucien

Tuesday 21 May 2019

Dark Matter, Astroparticle Physics - Nueces Ballroom A (14:00 - 16:00)

-Conveners: Nicole Bell

time	[id] title	presenter
14:00	[151] The Search for Lightly Ionizing Particles Using the 90-day Run Data of the Large Underground Xenon Experiment	TERMAN, Paul
14:20	[217] SuperCDMS SNOLAB Status	KUBIK, Andrew Michael
14:40	[32] Search for Dark Matter at Belle II	CORONA, Luigi
15:00	[58] SEARCH FOR EXOTIC DECAYS WITH NA62	PARKINSON, Christopher John

Wednesday 22 May 2019**Dark Matter, Astroparticle Physics - Nueces Ballroom A (14:00 - 16:00)****-Conveners: Jonathan Lee Feng**

time	[id] title	presenter
14:00	[68] Dark Matter searches with the ATLAS Detector	BALUNAS, William
14:20	[245] Searches for dark matter with CMS	PEDRO , Fernandez Manteca
14:40	[31] Dark Sector Phenomenology at Neutrino Experiments	BERGER, Joshua
15:00	[167] Latest Constraints on Millicharged Particles Using ArgoNeuT	LEPETIC, Ivan
15:20	[219] Light Dark Matter Constraints and the Neutrino Background	DENT, James
15:40	[215] Towards a New Window into Supernovae with Super-Kamiokande Gadolinium (SK-GD) Detector	TAKHISTOV, Volodymyr

Dark Matter, Astroparticle Physics - Nueces Ballroom A (16:20 - 18:00)**-Conveners: Howard Baer**

time	[id] title	presenter
16:20	[117] Energetic ALPs From Decaying Dark Matter	Dr BAE, Kyu Jung
16:40	[137] Deformation of Axion Potentials: Implications for Spontaneous Baryogenesis, Dark Matter, and Isocurvature Perturbations	Dr KOST, Jeff
17:00	[178] ALPs: What can we learn from neutron stars and X-ray astronomy?	SINHA, Kuver
17:20	[211] Limit on the Axion Decay Constant from the Cooling Neutron Star in Cassiopeia A	NAGATA, Natsumi
17:40	[38] A Search for Dark Matter Annihilation in the Milky Way Halo	CHANG, Laura

Thursday 23 May 2019**Dark Matter, Astroparticle Physics - Nueces Ballroom A (14:00 - 16:00)****-Conveners: Pearl Sandick**

time	[id] title	presenter
14:00	[34] A natural χ^{\prime} -portal Majorana dark matter in alternative U(1) extended Standard Model	OKADA, Satomi
14:20	[172] Loop corrections to dark matter direct detection in a pseudoscalar mediator dark matter model	Dr ABE, Tomohiro
14:40	[180] Higgs Parity, Strong CP, and Dark Matter	DUNSKY, David
15:00	[168] Primordial black holes as SUSY dark matter	TAKHISTOV, Volodymyr
15:20	[184] The Global Argon Dark Matter Collaboration	RENSHAW, Andrew Lee
15:40	[163] Vector Portals to the Twin Sector	VERHAAREN, Christopher

Dark Matter, Astroparticle Physics - Nueces Ballroom A (16:20 - 18:20)**-Conveners: Tracy Slatyer**

time	[id] title	presenter
16:20	[216] A Solar System Test of Self-Interacting Dark Matter	GAIDAU, Cristian
16:40	[210] Testing Dark Matter and Modifications to Gravity using Local Milky Way Observables	MOSCHELLA, Matthew
17:00	[108] Discovering Galactic substructure with astrometric lensing using the power spectrum	MISHRA-SHARMA, Siddharth
17:20	[92] Exploring the dark matter and baryogenesis by SKA-like and LISA-like experiments	Dr HUANG, Fa Peng