

IDM 2024

lunedì 8 luglio 2024

Parallel 2: Cosmology Dark Matter (14:00 - 16:00)

-Coordinatori: Luigi Pilo

time	[id] title	presenter
14:00	[11] Minimal Dark Matter Freeze-in with Low Reheating Temperatures and Implications for Direct Detection	SHAMS ES HAGHI, Barmak MONTEFALCONE, Gabriele
14:20	[46] Feedback in the dark: a critical examination of CMB bounds on primordial black holes	GAGGERO, Daniele
14:40	[20] The JWST lensed quasar dark matter survey	GILMAN, Daniel
15:00	[152] Constraining Self-interacting Scalar Field Dark Matter with Strong Gravitational Lensing	GALAZO GARCIA, Raquel
15:20	[49] Testing Primordial Black Holes Dark Matter with Galaxy Catalogs cross-correlations	CUOCO, Alessandro
15:40	[166] Constraining dark matter models using dwarf galaxy size and luminosity	DEKKER, Ariane

Parallel 2: Cosmology Dark Matter (16:30 - 18:50)

-Coordinatori: Luigi Pilo

time	[id] title	presenter
16:30	[222] Cosmology, Big and Small: Probing the Multi-scale Nature of Structure Formation with Artificial Universes	BOSE, Sownak
16:50	[182] Mergers of galaxy clusters with velocity-dependent SIDM	VENKATARAMANI MALATHI, Sabarish
17:10	[153] The Mochima Simulation: Baryonic physics impact on detailed DM distribution and dynamics on the host halo and subhalos of five realizations of the same Milky-Way-like galaxy.	NUNEZ-CASTINEYRA, Arturo
17:30	[183] Survival of the prompt cusp population in Milky Way-like galaxies	AGUIRRE-SANTAELLA, Alejandra
17:50	[192] Dark Sector Tunneling Field Potentials for a Dark Big Bang	CASEY, Richard

martedì 9 luglio 2024

Parallel 2: Theory (14:00 - 16:00)

-Coordinatori: Fabrizio Nesti

time	[id] title	presenter
14:00	[199] MOND: An alternative to particle dark matter	LELLI, Federico
14:20	[59] Galactic Dark Matter from General Relativity	RE, Federico
14:40	[236] Unified model for particles and condensate Dark Matter: The role of self-interaction	SOTO, Alex
15:00	[30] Axion-like particles as probes of the SN core	LELLA, Alessandro
15:20	[15] Searching for a DM candidate via antiprotonic ^3He	DOSER, Michael
15:40	[181] Warm Surprises from Cold Duets: N-Body Simulations with Two-Component Dark Matter	PARK, Jong-Chul

Parallel 2: Theory (16:30 - 18:50)

-Coordinatori: Nicola Rossi

time	[id] title	presenter
16:30	[186] Strongly interacting dark sectors with light vector mesons	HEMME, Noline
16:50	[230] Dark Particles at the LHC: LHC-Friendly Dark Matter Characterization via Non-Linear EFT	CABO ALMEIDA, David
17:10	[139] Spin-1 Thermal Targets for Dark Matter Searches at Fixed Target Experiments	GRAY, Taylor
17:30	[104] Update on WIMP Models with loop-induced Direct Detection cross-section	ARCADI, Giorgio
17:50	[103] Multi-Component Dark Matter from Minimal Flavor Violation	OKAWA, Shohei
18:10	[197] Freeze-in sterile neutrino dark matter in the minimal gauge B-L model.	SETO, Osamu

mercoledì 10 luglio 2024

Parallel 2: Astrophysical observations (14:00 - 16:20)

-Coordinatori: Riccardo Biondi

time	[id] title	presenter
14:00	[271] New Challenges Facing Pulsar Interpretations of the Galactic Center Gamma-Ray Excess	HOOPER, Dan
14:20	[41] Limits on Asteroid Mass Primordial Black Holes via fast microlensing	KEY, Renee
14:40	[128] Tracing Cosmic Evolution through Dark Matter Phenomena: Insights from Primordial Black Holes and Supermassive Dark Stars	ZHANG, Saiyang
15:00	[28] Probing the nature of Dark Matter with the first stars and galaxies in the Universe	ILIE, Cosmin
15:20	[99] Immortal Stars at the Galactic Center	JOHN, Isabelle
15:40	[218] Constraining dark matter annihilation with Fermi-LAT observations of Ultra-Faint Compact Stellar Systems	CIRCIELLO, Antonio
16:00	[39] CosmiXs: Cosmic messenger spectra for indirect dark matter searches	DI MAURO, Mattia

giovedì 11 luglio 2024

Parallel 2: Indirect detection (14:00 - 16:00)

-Coordinatori: Giulia Pagliaroli

time	[id] title	presenter
14:00	[17] Applying Simulation-Based Inference to Spectral and Spatial Information from the Galactic Center Gamma-Ray Excess	KUMAR, Jason
14:20	[132] Robust inference of the Galactic centre gamma-ray excess spatial properties	GORDON, Chris
14:40	[29] Search for dark matter decay and annihilation using observation by Tibet AS γ and LHAASO	DUBEY, Abhishek
15:00	[140] Cosmic-Ray Propagation Models Elucidate the Prospects for Antinuclei Detection	DE LA TORRE LUQUE, Pedro
15:20	[10] Emulation of cosmic-ray antideuteron fluxes from dark matter annihilation	RATHMANN, Lena
15:40	[124] The GAPS experiment: low energy cosmic-ray antinuclei for indirect dark matter searches	MUNINI, Riccardo

Parallel 2: Indirect detection (16:30 - 18:50)

-Coordinatori: Carmelo Evoli

time	[id] title	presenter
16:30	[235] The Pierre Auger Observatory and Super-Heavy Dark Matter	ALOISIO, Roberto
16:50	[116] Dark Matter Gamma-ray searches in Galaxy Clusters: status and prospects	PÉREZ-ROMERO, Judit
17:10	[117] Unveiling dark sub-haloes in the Galactic plane with the Cherenkov Telescope Array Observatory	ECKNER, Christopher
17:30	[187] The viability of low-mass subhaloes as targets for gamma-ray dark matter searches	AGUIRRE-SANTAELLA, Alejandra
17:50	[175] The timescales for dark matter heating of old neutron stars	ROBLES, Sandra
18:10	[237] New 511 keV line data provides strongest sub-GeV dark matter constraints	BALAJI, Shyam
18:30	[125] Hunting for dark matter and dark photon-photon trident	NGUYEN, Thong