

PPC 2021: XIV International Workshop on Interconnections between Particle Physics and Cosmology

Monday, 17 May 2021

Plenary: Neutrino (09:00 - 10:30)

-Conveners: Irina Mocioiu

| time | [id] title | presenter |
|-------|--------------------------------------|------------------|
| 09:00 | [213] Status of Neutrino Experiments | SCHOLBERG, Kate |
| 09:30 | [214] Topics in Neutrino Physics | DE GOUVEA, Andre |
| 10:00 | [215] Neutrino Theory | BABU, Kaladi |

Plenary: Neutrino/Models (11:00 - 12:30)

-Conveners: Kaladi Babu

| time | [id] title | presenter |
|-------|--|-----------------------|
| 11:00 | [216] Flavor Physics and Light Mediators | MOCIOIU, Irina |
| 11:30 | [217] New Gauge Theories and the TeV Scale | FILEVIEZ PEREZ, Pavel |
| 12:00 | [220] Fermi-LAT | MURGIA, Simona |

Plenary: Dark Matter (14:00 - 15:30)

-Conveners: Yang Bai

| time | [id] title | presenter |
|-------|---|----------------|
| 14:00 | [218] Dark Matter Direct Detection - Experiment | LANG, Rafael |
| 14:30 | [219] Dark Matter Theory | TAIT, Tim M.P. |
| 15:00 | [225] Current Anomalies: From Muon g-2 to B-physics and Neutrinos | DEV, Bhupal |

Plenary (16:00 - 17:30)

-Conveners: JiJi Fan

| time | [id] title | presenter |
|-------|---|----------------|
| 16:00 | [221] Macroscopic Dark Matter | BAI, Yang |
| 16:30 | [222] Dark Sectors | GORI, stefania |
| 17:00 | [223] Phase Transitions and Gravitational Waves: The Precision Frontier | WHITE, Graham |

Tuesday, 18 May 2021

Plenary: Supersymmetry (08:30 - 10:30)

-Conveners: Liam McAllister

| time | [id] title | presenter |
|-------|--|----------------------|
| 08:30 | [226] SUSY at the LHC | CANEPA, Anadi |
| 09:00 | [227] Dark Matter Candidates in Supersymmetric Models | OLIVE, Keith |
| 09:30 | [143] Supersymmetry, naturalness and the landscape | SENGUPTA, Dibyashree |
| 10:00 | [230] Statistical predictions for low-energy physics from the string landscape | CICOLI, Michele |

Plenary: String Phenomenology (11:00 - 12:30)

-Conveners: Michele Cicoli

| time | [id] title | presenter |
|-------|---|-------------------|
| 11:00 | [231] Type IIB String Phenomenology | QUEVEDO, Fernando |
| 11:30 | [232] Axions and String Vacua | MCALLISTER, Liam |
| 12:00 | [233] Strings, Early Universe and Topological Gravity | VAFSA, Cumrun |

Plenary: Cosmology (14:00 - 15:30)

-Conveners: Adrienne Erickcek

| time | [id] title | presenter |
|-------|---|---------------------|
| 14:00 | [234] Discovering New Physics with Cosmological Data Sets | Prof. DVORKIN, Cora |
| 14:30 | [235] Quantum Information in de Sitter Space | SHIU, Gary |
| 15:00 | [236] The End of Inflation | AMIN, Mustafa |

Plenary (16:00 - 17:00)

-Conveners: Gary Shiu

| time | [id] title | presenter |
|-------|--|--------------------|
| 16:00 | [237] Cosmology of Early Matter Domination | ERICKCEK, Adrienne |
| 16:30 | [238] Signals of new dynamics during inflation | WANG, LianTao |

Wednesday, 19 May 2021

Plenary: Dark Matter (08:30 - 10:30)

-Conveners: Pearl Sandick

| time | [id] title | presenter |
|-------|---|-----------------|
| 08:30 | [239] Feebly-Interacting and Decaying Dark Matter | BAE, Kyu Jung |
| 09:00 | [240] Light Dark Matter Cosmology | KRNJAIC, Gordan |
| 09:30 | [241] Cosmological Imprints of Non-Minimal Dark Sectors | DIENES, Keith |
| 10:00 | [242] Cosmological Signatures of Dark Matter Interactions | BODDY, Kimberly |

Plenary: Black Holes (11:00 - 12:30)

-Conveners: Keith Dienes

| time | [id] title | presenter |
|-------|---|------------------|
| 11:00 | [243] Topics in Primordial Black Hole Physics | SANDICK, Pearl |
| 11:30 | [244] Primordial Black Holes and Dark Matter | PROFUMO, Stefano |
| 12:00 | [245] Dark Black Holes | SHANDERA, Sarah |

Thursday, 20 May 2021

Plenary: Dark Matter (08:30 - 10:30)

-Conveners: John Stupak

| time | [id] title | presenter |
|-------|--|------------------------|
| 08:30 | [246] Accelerator-based Searches for Dark Matter: An Overview | WHITBECK, Andrew James |
| 09:00 | [247] Astrophysical probes to new physics beyond the Standard Model - EHT and GW experiments | ZHAO, Yue |
| 09:30 | [248] Light Mediators | DUTTA, Bhaskar |
| 10:00 | [249] Some Recent Progress on Searches for Sub-GeV Dark Matter | ESSIG, Rouven |

Plenary: Axions (11:00 - 12:30)

-Conveners: stefania gori

| time | [id] title | presenter |
|-------|---|----------------|
| 11:00 | [250] New Developments in Axion Physics | FAN, Jiji |
| 11:30 | [188] BSM physics with magnetars and neutron star mergers | HARRIS, Steven |
| 12:00 | [253] New Ideas in Lab-based Axion Searches | KIM, Doojin |

Friday, 21 May 2021

Plenary: Precision/Flavor (08:30 - 10:30)

-Conveners: Gordon Kane

| time | [id] title | presenter |
|-------|--|-----------------|
| 08:30 | [255] Rare Processes and Precision Measurements | PETROV, Alexey |
| 09:00 | [256] Searches for Exotic Physics with ATLAS and CMS | FACINI, Gabriel |
| 09:30 | [257] Physics at LHCb | STONE, Sheldon |
| 10:00 | [258] New physics and precision at the energy frontier | REINA, Laura |

Plenary (11:00 - 12:30)

-Conveners: Dorival Gonçalves

| time | [id] title | presenter |
|-------|------------------------------------|----------------|
| 11:00 | [259] Challenges in Flavor Physics | ROBINSON, Dean |
| 11:30 | [260] Higgs at the HL-LHC | HAN, Tao |
| 12:00 | [261] The Visible Sector | KANE, Gordon |