

Session Program

Mar 25 - 28, 2024

Dark Matter Beyond the Weak Scale II

Talks

IPPP, OC218
Ogden Centre, Durham University Durham DH1 3LF

Mon, March 25

2:00 PM

Talks

Session | **Location:** IPPP, OC218, Ogden Centre, Durham University Durham DH1 3LF

14:00 - 14:45 **CMB bounds on accreting Extended Dark matter Objects**

Speaker

Sergio Sevilano

14:45 - 15:30 **Astrophysical tests of dark matter on small scales**

Speaker

Sownak Bose

3:30 PM

4:00 PM

Talks

Session | **Location:** IPPP, OC218, Ogden Centre, Durham University Durham DH1 3LF

16:00 - 16:45 **Was there a 3.5 keV line?**

Speaker

Christopher Dessert

4:45 PM

Tue, March 26

9:00 AM

Talks

Session | **Location:** IPPP, OC218, Ogden Centre, Durham University Durham DH1 3LF

09:00 - 09:45 **ALP Anarchy**

Speaker

Francesca Chadha-Day

09:45 - 10:30 **Dark matter in and around phase transitions**

Speaker

Rudin Petrossian-Byrne

10:30 AM

11:00 AM

Talks

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11:00 - 11:45 **Dark Matter and Cosmological Phase Transitions**

Speaker

Joachim Kopp

11:45 - 12:30 **Echoes from ECOs**

Speaker

Hannah Banks

12:30 PM

2:00 PM

Talks

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14:00 - 14:45 **Bridging gaps in the GW spectrum**

Speaker

Diego Blas

14:45 - 15:30

Fuzzy dark matter solitons in gravitational lensing time delays and the H_0 measurement

Speaker

Luca Teodori

3:30 PM

4:00 PM

Talks

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16:00 - 16:45

Production mechanisms for Dark Matter: from freeze-in to gravitational production

Speaker

Davide Racco

16:45 - 17:30

Microlensing signatures of extended dark objects using machine learning

5:30 PM

Speaker

Miguel Crispim Romao

Wed, March 27

9:00 AM

Talks

Session | **Location:** IPPP, OC218, Ogden Centre, Durham University Durham DH1 3LF

09:00 - 09:45

Astrophysical Probes of Dark Matter: Past, Present, and Future of Gamma-ray Observations

Speaker

Milena Crnogorčević

09:45 - 10:30

Targeting soft imprints of dark matter

Speaker

Clara Murgui

10:30 AM

11:00 AM

Talks

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11:00 - 11:45

Back to the phase space: thermal axions

Speaker

Francesco D'Eramo

11:45 - 12:30

Testing the far UV with low-energy axion experiments

Speaker

Mario Reig

12:30 PM

2:00 PM

Talks

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14:00 - 14:45

Primordial Black Holes as a dark matter candidate

Speaker

Anne Green

14:45 - 15:30

Living on the Edge: Quantum Black Holes from event Horizons

Speaker

Francesco Sannino

3:30 PM

Thu, March 28

9:00 AM

Talks

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09:00 - 09:45

Scintillating Methods to Detect Dark Matter from Nano to Astro Scales

Speaker

Carlos Blanco

09:45 - 10:30

QUEST-DMC: Low Mass Dark Matter Search with Helium-3

Speaker

Elisabeth Leason

10:30 AM

11:00 AM

Talks

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11:00 - 11:45

Monopole-philic axion: theory and experiment

Speaker

Anton Sokolov

11:45 - 12:30

Fueling the Search for Light Dark Matter with Spherical Proportional Counters

Speaker

Louis Hamaide

12:30 PM