Session Program

Jul 7 – 11, 2025

Dark Side of the Universe 2025

Plenary

Mon, July 7

9:30 AM

Plenary

Session | **Location:** Complex des Sciences, A5502 | **Convener:** Prof. Katelin Schutz

9:30 – 10:00 AM **Topological Freeze-out**

Speaker
Prof. Hitoshi Murayama

10:00 – 10:30 AM

Testing heavy WIMPs at the Cherenkov Telescope Array Observatory

Speaker
Tracy Slatyer

10:30 AM

11:00 AM

Plenary

Session | **Location:** Complex des Sciences, A5502 | **Convener:** James Cline

11:00 – 11:30 AM **Running a Dark Matter Experiment on a Galaxy**

Speaker
Prof. Mariangela Lisanti

11:30 AM – 12:00 PM **Searching for New Physics with Stars, Near and Far**

Speaker
Aaron Vincent

12:00 PM

Tue, July 8

9:00 AM

Plenary

Session | **Location:** Complex des Sciences, A5502 | **Convener:** Robert Brandenberger

9:00 – 9:30 AM

Dark Matter (mass) at the extremes: reigning in the mass range of range of dark matter

Speaker
Evan McDonough

9:30 – 10:00 AM

The Devil is in the (Axion) Details

Speaker
Dr Chanda Prescod-Weinstein

10:00 – 10:30 AM

Narrowing down the mass range of ultra-light dark matter

Speaker
Elisa Gouvea Mauricio Ferreira

10:30 AM

11:00 AM

Plenary

Session | **Location:** Complex des Sciences, A5502 | **Convener:** Alan Robinson

11:00 – 11:30 AM

Probing Dark Matter with Liquid Xenon Detectors

Speaker
Laura Baudis

11:30 AM – 12:00 PM

Gravitino Dark Matter and Neutrino Masses

Speaker
Seyda Ipek

12:00 PM

Wed, July 9

9:00 AM

Plenary

Session | **Location:** Complex des Sciences, Exceptionally, A1502 | **Convener:** Gonzalo Alonso Alvarez

9:00 – 9:30 AM **Solid State Detectors for Low-Mass Dark Matter Searches**

Speaker
Miriam Diamond

9:30 – 10:00 AM **Present and future of dark matter detection with skipper-CCDs**

Speaker
Ana Martina Botti

10:00 – 10:30 AM **Light dark sectors and nuclear reactors**

Speaker
Maxim Pospelov

10:30 AM

Thu, July 10

9:00 AM

Plenary

Session | **Location:** Complex des Sciences, A5502 | **Convener:** Prof. Pyungwon Ko

9:00 – 9:30 AM **Results from the Atacama Cosmology Telescope Data Release 6**

Speaker
Renée Hlozek

9:30 – 10:00 AM

Cracks in the Standard Cosmological Model: Anomalies, Tensions, and Hints of New Physics

Speaker
Dr Eleonora Di Valentino

10:00 – 10:30 AM **Dark Sector and the Swampland**

Speaker
C. Vafa

10:30 AM

11:00 AM

Plenary

Session | **Location:** Complex des sciences, A5502 | **Convener:** Yitian Sun

11:00 – 11:30 AM

Dark dimension boundary or shiny bulk? - Modular invariant quintessence

Speaker
Dieter Lust

11:30 AM – 12:00 PM **UV Priors with a Dark Energy (Naturally)**

Speaker
Cliff Burgess

12:00 PM

Fri, July 11

9:00 AM

Plenary

Session | **Location:** Complex des Sciences, A5502 | **Convener:** Dr Saniya Heeba

9:00 – 9:30 AM **Fundamental Physics with Pulsar Timing Arrays**

Speaker
Prof. Kimberly Boddy

9:30 – 10:00 AM

Listening to the Dark Universe: Experimental Searches for Axion Dark Matter

Speaker
Sung Woo YOUN

10:00 – 10:30 AM **Fast Times at SIDM High(-resolution)**

Speaker
Annika Peter

10:30 AM