

Session Program

7-16 Jul 2021

DARK MATTER: from theory to detection

Lecture

Erwin Schrödinger International Institute for Mathematics and Physics
Boltzmannngasse 9 1090 Wien Austria

Wednesday 7 July

13:30

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

13:30-14:30

Nuclear physics of dark matter direct detection

Speaker

Achim Schwenk

14:30-15:30

Dark sector theory overview

Speaker

Maxim Pospelov

15:30-15:50

Coffee

15:50-16:50

Atomic physics for dark matter direct detection

Speaker

Tien-Tien Yu

16:50

Thursday 8 July

13:30

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

13:30-14:30

Nuclear physics of dark matter direct detection

Speaker

Achim Schwenk

14:30-15:30

Dark sector theory overview

Speaker

Maxim Pospelov

15:30-15:50

Coffee

15:50-16:50

Atomic physics for dark matter direct detection

Speaker

Tien-Tien Yu

16:50

Friday 9 July

09:00

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

09:00-10:30

Liquid scintillator dark matter detectors

Speaker

Ranny Budnik

10:30-10:50

Coffee

10:50-12:20

Cryogenic dark matter detectors

Speaker

Jules Gascon

12:20

Monday 12 July

14:00

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

14:00-15:00

Statistics for rare-event searches

Speaker

Sara Algeri

15:00-16:00

Theory advances in direct detection

Speaker

Simon Knapen

16:00-16:20

Coffee

16:20

Tuesday 13 July

14:00

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

14:00-15:00

Statistics for rare-event searches

Speaker

Sara Algeri

15:00-16:00

Theory advances in direct detection

Speaker

Simon Knapen

16:00-16:20

Coffee

16:20

Wednesday 14 July

13:30

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

13:30–14:30 **Ultralight dark sectors theory**

Speaker

Andreas Ringwald

14:30–15:30 **Ultralight dark sectors in experiment**

Speaker

DMITRY BUDKER

15:30–15:50 **Coffee**

15:50–16:50 **Ultralight dark sectors in experiment**

Speaker

DMITRY BUDKER

16:50

Thursday 15 July

14:00

Lecture

Session |

Location: Erwin Schrödinger International Institute for Mathematics and Physics, Boltzmannngasse 9 1090 Wien Austria

14:00-15:00 **Theory of ultralight dark sectors**

Speaker

Andreas Ringwald

15:00-16:00 **Observational insights into DM**

Speaker

Vera Gluscevic

16:00-16:20 **Coffee**

16:20-17:20 **Observational insights into dark matter**

Speaker

Vera Gluscevic

17:20