

## **Session Program**

**19-21 Jun 2024**

# **2024 Annual NPACT Meeting**

## **Plenary presentations**

NTNU Ålesund Campus, Naftadjupet  
Busses 1 and 12 from Ålesund Rutebilstasjon to Campus Ålesund

# Wednesday 19 June

13:00

## Plenary presentations: round 1

**Session** |

**Location:** NTNU Ålesund Campus, Naftadjupet, Busses 1 and 12 from Ålesund Rutebilstasjon to Campus Ålesund |

**Convener:** Ben David Normann

13:00–13:20

### Geometry of Scattering Amplitudes

**Speaker**

Andreas Helset

13:20–13:40

### Virtual particles

**Speaker**

Nils-Erik Bomark

13:45–14:00

### Break a leg

14:00–14:20

### Reheating and dark matter through dark glueballs

**Speaker**

Helena Kolesova

14:20–14:40

### Swampland and The Distance Conjecture

**Speaker**

Eirik Eik Svanes

14:45–15:00

### Break a leg

15:00–15:20

### NLP resummation in slepton pair production

**Speaker**

Tore Klungland

15:20–15:40

### SUSY after Run 2 with GAMBIT

**Speaker**

Christopher Chang

15:40–16:00

### Primordial Black Holes as Dark Matter

**Speaker**

Halvor Melkild

16:00

# Thursday 20 June

10:00

## Plenary presentations: Round 2

**Session** |

**Location:** NTNU Ålesund Campus, Naftadjupet, Busses 1 and 12 from Ålesund Rutebilstasjon to Campus Ålesund

10:00–10:20

**On instabilities of perturbations in some homogeneous color-electric and -magnetic backgrounds in  $SU(2)$  gauge theory.**

**Speaker**

DIVYARANI C G

10:20–10:40

**Pandemics, Particles and Parameter (s)Paces**

**Speaker**

Ida-Marie Johansson

10:45–11:00

**Break a leg**

11:00–11:20

**Gravitational wave echoes: an introduction**

**Speaker**

Mr Vegard Undheim

11:20–11:40

**GPTreeO**

**Speaker**

Anders Kvellestad

11:40–12:00

**Gravitational waves from nHz to GHz frequencies**

**Speaker**

Torsten Bringmann

12:00

13:00

## Plenary presentations: Round 3

**Session** |

**Location:** NTNU Ålesund Campus, Naftadjupet, Busses 1 and 12 from Ålesund Rutebilstasjon to Campus Ålesund

13:00–13:20

**Strongly interacting massive particles as dark matter candidates**

**Speaker**

Mr Daniil Krichevskiy

13:20–13:40

**False violations of general relativity**

**Speaker**

Alex Nielsen

14:00–14:20

**Jovian planet forced climate periods**

**Speaker**

Prof. Harald Yndestad

14:20

## Friday 21 June

10:00

### Plenary presentations: Round 4

**Session** |**Location:** NTNU Ålesund Campus, Naftadjupet, Busses 1 and 12 from Ålesund Rutebilstasjon to Campus Ålesund

10:00–10:20

#### Preserving continuum space-time symmetries on the lattice

**Speaker**

Alexander Rothkopf

10:20–10:40

#### Stress-testing the 2PI formalism for real-time quantum field theory simulations.

**Speaker**

Anders Tranberg

10:45–11:00

#### Break a leg

12:00