

Session Program

2-7 Jan 2020

**Spaatind 2020 - Nordic conference on
Particle Physics**

submitted talks

Skeikampen, Thon Hotel

Friday 3 January

17:00

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

17:00-17:20

Releasing 13 TeV Open Data from the ATLAS experiment

Speaker

Even Simonsen Haaland

17:20-17:40

Analytical reinterpretation of ATLAS dark matter mediator searches with final-state jets

Speaker

Eric Edward Corrigan

17:40-18:00

Searches for charged Higgs bosons at CMS

Speaker

Santeri Laurila

18:00-18:20

IceCube - Particle Physics and Astrophysics on Ice

Speaker

D. Jason Koskinen

18:20-18:40

Search for new resonances decaying into a top-anti-top pair with the ATLAS detector

Speaker

Trine Poulsen

18:40-19:00

Search for a Dark Jet Resonances Using Substructure with ATLAS

Speaker

Eva Hansen

19:00

20:30

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

20:30-20:50

Dirac vs. Majorana HNLs (and their oscillations) at SHiP

Speaker

Jean-Loup Tastet

20:50-21:10

Rethinking searches for new physics at the LHC

Speaker

Flavia de Almeida Dias

21:10-21:30

QCD at the high-energy frontier

Speaker

Tuomas Lappi

21:30

Saturday 4 January

17:00

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

17:00-17:20

Hadrons in gravitational field, shear forces and viscosity in relativistic Heavy Ion collisions

Speaker

Oleg Teryaev

17:20-17:40

The HIBEAM/NNbar Experiment

Speaker

Katherine Dunne

17:40-18:00

The Higgs Width in the SMEFT

Speakers

Tyler Corbett, Tyler Corbett

18:00-18:20

The Oslo plasma lens at the CERN electron test accelerator

Speaker

Erik Adli

18:20-18:40

Status of the ATLAS ITk Strip Detector for the HL-LHC

Speaker

Craig Wiglesworth

18:40-19:00

Neutrino CP Violation with the European Spallation Source neutrino Super Beam project

Speaker

Eirik Gramstad

19:00

20:30

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

20:30-20:50

Early equilibration, phase diagram and freeze-out in relativistic heavy ion collisions

Speaker

Evgeny Zabrodin

20:50-21:10

Search for the electroweak production of charginos and sleptons decaying into final states with two electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Speaker

Helén Persson

21:30

21:10-21:30

A multi-TeV gamma-gamma collider based on plasma

Speaker

Erik Adli

Sunday 5 January

17:00

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

17:00-17:20

Search for electroweakinos with small Δm using XGBoost

Speaker

Knut Oddvar Høie Vadla

17:20-17:40

Monte Carlo reweighting: Signal interpolation for ATLAS Dark Matter searches

Speaker

Kristian L. Bjørke

17:40-18:00

Strangeness production in small systems - from revolution to resolution

Speaker

Peter Christiansen

18:00-18:20

From Little Bang to Mini Bang: studying the primordial fluid at the LHC

Speaker

Dr You Zhou

18:20-18:40

To catch a long-lived particle

Speaker

Rebeca Gonzalez Suarez

18:40-19:00

Hardware-based track reconstruction for the ATLAS Trigger and Data Acquisition Phase-II system

Speaker

Alessandra Camplani

19:00

20:30

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

20:30-20:50

Quasistable charginos in ultrapheral proton-proton collisions at the LHC

Speaker

Mikhail Vysotsky

20:50-21:10

Search for high-mass dilepton resonances using 139 fb⁻¹ of pp collision data collected at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector

Speaker

Mr Simen Hellesund

21:10-21:30

Antinuclei as a Signature for Dark Matter

21:30

Speaker
Jonas Tjemsland

Monday 6 January

17:00

submitted talks

Session | **Location:** Skeikampen, Thon Hotel

17:00-17:20

Precision neutron beta decay experiments as a probe of BSM physics

Speaker

Dr Dagmara Rozpedzik

17:20-17:40

Radiation hard pixel '3D' sensors for use in ATLAS-ITk at LHC

Speakers

Bjarne Stugu, Bjarne Stugu

17:40-18:00

Reconstructing the energy of electrons and photons using convolutional neural networks

Speaker

Mr Frederik Faye

18:00-18:20

Gaussian processes versus parametric background modeling

Speaker

Mr Simon Millerjord

18:20-18:40

Module production for ATLAS Inner Tracker (ITk) upgrade

Speaker

Jonas Steentoft

18:40-19:00

Accelerating new physics searches with XSEC

Speaker

Jeriek Van den Abeele

19:00