

Session Program

21-24 Jun 2021

Fysikermøtet 2021

Parallele Foredrag

Universitetet i Stavanger
Kristine Bonnevis vei 22, 4021 Stavanger

Monday 21 June

16:00

Parallele Foredrag: Block A II - Subatomic/Astro

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

16:00–16:20

Observation of a multimode quasi-normal spectrum from a perturbed black hole

Speaker

Alex Nielsen

16:20–16:40

Analysis of the stellar origin black hole SGWB detected by LISA

Speaker

Paolo Marcoccia

16:40–17:00

Detecting inflationary gravitational waves with the LiteBIRD satellite

Speaker

Ragnhild Aurlien

17:00–17:20

Search for gravitational wave echoes in LIGO/Virgo data

Speaker

Jahed Abedi

17:30

16:00

Parallele Foredrag: Blokk A - Space/Plasma/Climate

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

16:00–16:20

Reconstruction of intermittent data time series by deconvolution

Speaker

Sajidah Ahmed

16:20–16:40

Estimating temperature response to volcanic eruptions

Speaker

Mr Eirik Enger

16:40–17:00

Axial and radial development of the hot electron distribution from a helicon plasma source, measured by a retarding field energy analyzer (RFEA).

Speaker

Lisa Buschmann

17:00–17:20

Finding an elephant in the aurora - Using machine learning to classify Northern lights images and predict phenomena

Speaker

Pascal Sado

17:30

Tuesday 22 June

13:30

Parallele Foredrag: Blokk B - Subatomic/Astro

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

13:30–13:50

Hvorfor simulerer vi våre detektorer?

Speaker

Magnus Rentsch Ersdal

13:50–14:10

Charmonium production in pp collisions with ALICE

Speaker

Ingrid McKibben Lofnes

14:10–14:30

Beauty production through non-prompt J/Psi in pp and Pb-Pb collisions with ALICE

Speaker

Jon-Are Sætre

14:30–14:50

Reconstruction of B mesons with ALICE

Speaker

Ida Storehaug

15:00

13:30

Parallele Foredrag: Blokk B II - Condensed matter

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

13:30–13:50

Magnetic transitions in an Inverse Vanadium Spinal oxide

Speaker

Abhijit Bhat Kademane

13:50–14:10

Bulk Properties Of One-Dimensional Magnetism in β -VOSO₄

Speaker

Mr Chidozie Agu

14:10–14:30

Applying the 'MaXrd' package in research on inclusion compounds

Speaker

Mr Stian Ramsnes

14:30–14:50

Magnetic ordering in SrTm_2O_4 : muon induced distortion effects

Speaker

Abhijit Bhat Kademane

15:00

13:30

Parallele Foredrag: Blokk B III - Space/Plasma/Climate

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

13:30–13:50

The Local Mapping of Polar ionospheric Electrodynamics (LOMPE) approach to assimilation of regional ionospheric data

Speaker

Dr Spencer Hatch

13:50–14:10

Electrojet estimates from mesospheric magnetic field measurements**Speaker**

Karl Laundal

14:10–14:30

Simulation of near-solar dust trajectories influenced by mass loss**Speaker**

Ingrid Mann

14:30–14:50

Neutral winds and electric fields with EISCAT 3D**Speaker**

Johann Stamm

15:00

15:30

Parallelle Foredrag: Blokk C - Subatomic/Astro**Session** | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

15:30–15:50

Test of the Brink-Axel Hypothesis in the Energy Region of the Pygmy Dipole Resonance in Sn Isotopes**Speaker**

Mrs Maria Markova

15:50–16:10

Indirect measurements of neutron capture rates for astrophysical i-process**Speaker**

Francesco Pogliano

16:10–16:30

Measuring nuclear properties of 187-188Re**Speaker**

Marianne Bjørøen

16:30–16:50

Deep learning jet modifications in heavy-ion collisions**Speaker**

Dr YILUN DU

16:50–17:10

Årsmøte Subatomær fysikk og astrofysikk

17:10

15:30

Parallelle Foredrag: Blokk C II - Space/Plasma/Climate**Session** | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

15:30–15:50

Numerical simulations of plasma turbulence in the boundary of fusion experiments**Speaker**

Gregor Decristoforo

15:50–16:10

Estimation of stochastic model parameters on single point and two point time series

Speaker

Juan Losada

16:10–16:30

Current understanding of mesospheric bores - characteristics, effects and observational challenges

Speaker

Viswanathan Lakshmi Narayanan

16:30–16:50

Turbulent signatures in the Auroral Cusp Ionosphere based on sounding rocket observations

Speaker

Dr Francesca Di Mare

17:10

Wednesday 23 June

16:00

Parallele Foredrag: Blokk D - Space/Plasma/Climate

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

16:00–16:20

NOx - the chemical fingerprint of the aurora

Speaker

Mr Héctor Daniel Zúñiga López

16:20–16:40

Is there a link between storms in space and storms on earth?

Speaker

Dr Hilde Nesse Tyssøy

16:40–17:00

Auroral oval boundary estimates from ground magnetometer measurements

Speaker

Mr Simon Walker

17:00–17:20

Comprehensive analysis of scintillations over the Troll station using the all-sky camera and GNSS receiver

Speaker

Daria Kotova

17:50

16:00

Parallele Foredrag: Blokk D II - Subatomic/Astro

Session | **Location:** Universitetet i Stavanger, Kristine Bonnevis vei 22, 4021 Stavanger

16:00–16:20

Pandemic dark matter

Speaker

Torsten Bringmann

16:20–16:40

Global fits beyond the "standard models"

Speaker

Anders Kvellestad

16:40–17:00

Quantum Field Theory and Geometry

Speaker

Eirik Eik Svanes'

17:50