

Session Program

24-26 Jun 2021



**Faggruppemøte for subatomær fysikk og
astrofysikk**

Faggruppemøte Plenary

University of Stavanger

Thursday 24 June

14:00

Faggruppemøte Plenary: Session A

Session | **Location:** University of Stavanger

14:00–14:20 **Quark matter in neutron stars**

Speaker

Aleksi Kurkela

14:20–14:40

Finite temperature effects on dense QCD matter in strong magnetic fields

Speaker

Helena Kolesova

14:40–15:00 **Quenching effects in the cumulative jet spectrum**

Speaker

Adam Takacs

15:00–15:20 **Finite- N_c corrections to Wilson line correlators**

Speaker

Johannes Hamre Isaksen

15:20

16:00

Faggruppemøte Plenary: Session B

Session | **Location:** University of Stavanger

16:00–16:20

Relativistic corrections to the binary inspiral using Feynman diagrams

Speaker

Vegard Undheim

16:20–16:40 **Radiation hard pixel '3D' sensors for use in ATLAS-ITk at LHC**

Speaker

Simon Huiberts

16:40–17:00

Scalar-field dark matter from CDM , and constraints from cosmological data

Speaker

Stian Hartman

17:20

Friday 25 June

10:00

Faggruppemøte Plenary: Session C

Session | **Location:** University of Stavanger

10:00–10:20 **Quantum corrections to slow-roll inflation**

Speaker

Magdalena Eriksson

10:20–10:40

Pion Decay Constant in a magnetic field for QCD - Like theories with real quarks

Speaker

Georgios Filios

10:40–11:00

Rindler horizons in Schwarzschild and Vaidya spacetimes

Speaker

Karanvir Singh

11:00

11:20

Faggruppemøte Plenary: Session D

Session | **Location:** University of Stavanger

11:20–11:40 **The physics of symmetries in the Higgs sector**

Speaker

Per Osland

11:40–12:00

Accelerating Bayesian Inference of expensive Likelihoods with Gaussian Processes

Speaker

Jonas El Gammal

12:00–12:20

Gravitational waves from the first order phase transitions in the early universe

Speaker

Ms Divyarani Chandrababu Geetha

12:20

13:30

Faggruppemøte Plenary: Session E

Session | **Location:** University of Stavanger

13:30–13:50

Supersymmetry Cross Section Predictions with Bayesian Neural Networks

Speaker

Mr Per-Dimitri Per-Dimitri B. Sønnerland

13:50–14:10

Distinguishing wormholes from black holes with curvature invariants

Speaker

David McNutt

14:10–14:30

The charge sensitivity calibration of the upgraded ALICE Inner Tracking System

14:30

Speaker
Shiming Yuan