

Session Program

1-6 Aug 2022



XVth Quark Confinement and the Hadron Spectrum

Plenary Session

University of Stavanger, Campus Ullandhaug

Monday 1 August

09:30

Plenary Session: Monday morning I

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Nora Brambilla

09:30–10:00

Real-time dynamics, inverse problems and lattice simulations

Speaker

Alexander Rothkopf

10:00–10:30

Gradient flow, perturbative and nonperturbative renormalisation

Speaker

Andrea Shindler

10:30

11:00

Plenary Session: Monday morning II

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Joan Soto

11:00–11:30

New end-to-end optimisation of instruments for particle and nuclear physics applications

Speaker

Lukas Heinrich

11:30–12:00

Strong Dark Matter

Speaker

Giacomo Cacciapaglia

12:00

Tuesday 2 August

09:00

Plenary Session: Tuesday morning I

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Panagiota Foka

09:00–09:30

Heavy ion collisions as a tool: which physics can be explored?

Speaker

Nicolò Jacazio

09:30–10:00

Non equilibrium evolution of quarkonium in medium in the open quantum system approach

Speaker

Michael Strickland

10:00

10:30

Plenary Session: Tuesday morning II

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Manfred Faber

10:30–11:00

Light meson scattering: spectroscopy and exotics. Where do we stand?

Speaker

Jose R. Pelaez Sagredo

11:00–11:30

Interplay of nuclear physics, effective field theories, phenomenology, and lattice QCD in neutrino physics

Speaker

Martin Hoferichter

11:30

Wednesday 3 August

09:00

Plenary Session: Wednesday morning I

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Laura Tolos

09:00–09:30 **QCD confronts heavy flavor and exotic hadrons**

Speaker

Sasa Prelovsek

09:30–10:00 **Lattice QCD for heavy-ion collisions: Status update**

Speaker

Swagato Mukherjee

10:00

10:30

Plenary Session: Wednesday Morning II

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Dieter Roehrich

10:30–11:00 **What can pionic atoms tell us about the QCD vacuum?**

Speaker

Kenta Itahashi

11:00–11:30 **Quarkonium production and polarization: where do we stand?**

Speaker

Hee Sok Chung

11:30–12:00

Exotic states in the quarkonium sector: status and perspectives [remote]

Speaker

Changzheng Yuan

12:00

Thursday 4 August

09:00

Plenary Session: Thursday morning I

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Gastao Krein

09:00–09:30 **Higher Twists**

Speaker
Vladimir Braun

09:30–10:00 **Non-perturbative calculation of radiative corrections in weak decays**

Speaker
Nazario Tantalo

10:00

10:30

Plenary Session: Thursday morning II

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Hagop Sazdjian

10:30–11:00 **Universal properties of neutron rich nuclei near the neutron drip line**

Speaker
Son Dam Than

11:00–11:30 **Neutron star mergers and the quark-matter equation of state**

Speaker
Grant Mathews

11:30

Friday 5 August

09:00

Plenary Session: Friday morning I

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Anders Tranberg

09:00–09:30

(remote) Quantum simulations for QCD: where we are now and what is in reach?

Speaker

Zohreh Davoudi

09:30–10:00

Getting ready for the EIC

Speaker

Nobuo Sato

10:00

10:30

Plenary Session: Friday morning II

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Jon-Ivar Skullerud

10:30–11:00

Connections between QCD and BSM physics

Speaker

Susan Gardner

11:00–11:30

Towards a dynamical solution of the strong CP problem

Speaker

Gerrit Schierholz

11:30

11:30

Plenary Session: Poster Prize Award Ceremony

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Conveners:** Alexander Rothkopf, Antonio Vairo

11:45

Saturday 6 August

09:00

Plenary Session: Saturday morning I

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Antonio Vairo

09:00–09:30

The neutron lifetime problem: where do we stand?

Speaker

Daniel Salvat

10:00

09:30–10:00

Renormalons, the plaquette, the gluon condensate and all that

Speaker

Antonio Pineda

10:30

Plenary Session

Session | **Location:** UiS, EOJ, The Elise Ottesen-Jensen Hus | **Convener:** Alexander Rothkopf

10:30–11:00

Dynamical fermions, center vortices, and emergent phenomena

Speaker

Derek Leinweber

11:30

11:00–11:30

Summary

Speaker

Nora Brambilla