

Session Program

Aug 8 - 13, 2022



The 39th International Symposium on Lattice Field Theory (Lattice 2022)

Plenaries

Hörsaalzentrum Poppelsdorf, Alle Räume
Endenicher Allee 19 C, 52115 Bonn, Germany

Mon, August 8

9:05 AM

Plenaries: Plenaries I

Session | Location: CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | Convener: Phiala Shanahan

9:05 - 9:50 AM **QCD thermodynamics: an overview of recent progress**

Speaker

Francesca Cuteri

9:50 - 10:20 AM

Use of Schwinger-Dyson equation in constructing an approximate trivializing map

Speaker

Dr Nobuyuki Matsumoto

10:20 AM

11:00 AM

Plenaries: Plenaries II

Session | Location: CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | Convener: Stefan Kühn

11:00 - 11:45 AM **Review on Quantum Computing for Lattice Field Theory**

Speaker

Lena Funcke

11:45 AM - 12:30 PM

Modular Supercomputing and its Role in Europe's Exascale Computing Strategy

Speaker

Dr Sarah Neuwirth

12:30 PM

Tue, August 9

8:50 AM

Plenaries: Plenaries III

Session | Location: CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | Convener: Sinya Aoki

8:50 - 9:20 AM

Topical plenary on emergent geometry and duality in the carbon nucleus

Speaker

Shihang Shen

9:20 - 9:50 AM

The spectral reconstruction of inclusive rates

Speaker

John Bulava

9:50 - 10:20 AM

$B \rightarrow D^{(*)} \ell \nu$ semileptonic decays at non-zero recoil

Speaker

Alejandro Vaquero Avilés-Casco

10:20 AM

11:00 AM

Plenaries: Plenaries IV

Session | Location: CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | Convener: Rainer Sommer

11:00 - 11:45 AM

Heavy flavor physics from lattice QCD

Speaker

Takashi Kaneko

11:45 AM - 12:30 PM

A review on Glueball hunting

Speaker

Davide Vadacchino

12:30 PM

Wed, August 10

8:50 AM

Plenaries: Plenaries V

Session | **Location:** CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | **Convener:** Constantia Alexandrou

8:50 - 9:20 AM **The Compton amplitude and nucleon structure functions**

Speaker

K. Utku Can

9:20 - 9:50 AM **Neutrino Oscillation and Lattice QCD**

Speaker

Aaron Meyer

9:50 - 10:20 AM **Gluon Structure from Lattice QCD**

Speaker

Joseph Karpie

10:20 AM

11:00 AM

Plenaries: Plenaries VI

Session | **Location:** CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | **Convener:** Sasa Prelovsek

11:00 - 11:30 AM **Topical plenary on multi-particle interactions from lattice QCD**

Speaker

Fernando Romero-Lopez

11:30 AM - 12:15 PM **Hadron Spectroscopy and Interactions from Lattice QCD**

Speaker

Dr Liuming Liu

12:15 - 12:30 PM **Update on the International Lattice Data Grid**

Speaker

Frithjof Karsch

12:30 PM

Fri, August 12

8:50 AM

Plenaries: Plenaries VII

Session | **Location:** CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | **Convener:** James Zanotti

8:50 - 9:20 AM

Emergent strongly coupled ultraviolet fixed point with 8 fundamental flavors

Speaker

Anna Hasenfratz

9:20 - 9:50 AM

Quantum chaos in supersymmetric Yang-Mills-like model from exact diagonalization

Speaker

Pavel Buividovich

9:50 - 10:30 AM

KWA ceremony and presentation

Speaker

James Zanotti

10:30 AM

11:10 AM

Plenaries: Plenaries VIII

Session | **Location:** CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | **Convener:** Vera Gülpers

11:10 - 11:55 AM

Exotic hadrons from an EFT perspective

Speaker

Feng-Kun Guo

11:55 AM - 12:40 PM

Probing new horizons with flavour at the LHCb experiment

Speaker

Vitalii Lisovskyi

12:40 PM

Sat, August 13

8:50 AM

Plenaries: Plenaries IX

Session | **Location:** CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | **Convener:** Francesco Di Renzo

8:50 - 9:20 AM

Asymptotic lattice spacing dependence of spectral quantities in lattice QCD with Wilson or Ginsparg-Wilson quarks

Speaker

Nikolai Husung

9:20 - 9:50 AM

Master-field simulations of QCD and the exponential clover action

Speaker

Patrick Fritzsche

9:50 - 10:20 AM

Stochastic and Tensor Network simulations of the Hubbard Model

Speaker

Mr Johann Ostmeyer

10:20 AM

11:00 AM

Plenaries: Plenaries X

Session | **Location:** CP1-HSZ, CP1-HSZ/0.010 (CP1-HSZ) - HS2 | **Convener:** Andreas Kronfeld

11:00 - 11:45 AM

Review on Algorithms for dynamical fermions

Speaker

Jacob Finkenrath

11:45 AM - 12:30 PM

Matching lattice QC+ED to Nature

Speaker

Prof. Nazario Tantalo

12:30 PM