

Programm der Sitzung

17.-21. Sept. 2025



Erice: INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS, 46th COURSE

Talks

Erice

Mi., 17. September

16:00

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Fabian Rennecke

16:00–16:15 Uhr

How neutron star properties disfavor a nuclear chiral density wave

Sprecher

Orestis Papadopoulos

16:20–16:35 Uhr

Dissecting the moat regime

Sprecher

Shi Yin

16:40–16:55 Uhr

Renormalization Group Invariant Parametrization for Parity Doublet Model

Sprecher

Mattia Recchi

17:00–17:15 Uhr

Constraining Color-superconducting Low-energy Model from First Principle QCD

Sprecher

Ugo Mire

17:20

17:50

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Ralf Rapp

17:50–18:05 Uhr

How effectively can Neural Posterior Estimation infer the Neutron Star Equation of State?

Sprecher

Valéria Carvalho

18:10–18:25 Uhr

Role of isospin asymmetry in the onset of quark matter in neutron stars

Sprecher

Pavlo Panasiuk

18:30–18:45 Uhr

Strangeness Enhancement via Color Ropes: A Comparison with Hydrodynamics

Sprecher

Carl Rosenkvist

18:50

Do., 18. September

16:00

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Bedangadas Mohanty

16:00–16:15 Uhr

Characterising the hot and dense fireball with virtual photons at HADES

Sprecher

Niklas Schild

16:20–16:35 Uhr

Implicit Regularization and medium effects in the NJL model.

Sprecher

Bernardo Andrade Perez-Rubio

16:40–16:55 Uhr

Chiral crossover in the 2 + 1 flavor Nambu-Jona-Lasinio model

Sprecher

Enrique Valbuena Ordóñez

17:00–17:15 Uhr

Heavy Meson Dynamics in the QCD Conformal Window

Sprecher

Vigilante di Risi

17:20

17:50

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Joachim Stroth

17:50–18:05 Uhr

Strangeness enhancement in PHQMD model

Sprecher

Frau Rudrapriya Das

18:10–18:25 Uhr

Transport properties of the strongly interacting quark-gluon plasma

Sprecher

Herr Ilia Grishmanovskii

18:30

Sa., 20. September

16:00

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Koji Miwa

16:00–16:15 Uhr

Density functional theory of renormalization group in nuclear matter

Sprecher

Yong-rui Chen

16:20–16:35 Uhr

Centrality mode-by-mode evolution in PbPb collisions

Sprecher

Renata Krupczak

16:40–16:55 Uhr

Local equilibrium Wigner function for spin-1/2 particles

Sprecher

Sudip Kumar Kar

17:00–17:15 Uhr

Application range of perfect spin hydrodynamics

Sprecher

Valeriya Mykhaylova

17:20

17:50

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Peter Petreczky

17:50–18:05 Uhr

Transverse Dynamics of Hadrons Produced in Au-Au Relativistic Collisions

Sprecher

Diana-Andreea Dearly

18:10–18:25 Uhr

Probing QGP formation in pp collisions with Balance Functions

Sprecher

Alexandru Manea

18:30–18:45 Uhr

New RTA-based particlization and final state observables

Sprecher

Isabelle Caroline Alana da Silva Aguiar

19:10

So., 21. September

11:10

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Cameron Dean

11:10–11:25 Uhr **Quark exchange in tetraquark systems**

Sprecher

Morgan Kuchta

11:30–11:45 Uhr **Finite-size effects via volume-dependent free energy**

Sprecher

Győző Kovács

11:50–12:05 Uhr

The propagator of a charged vector boson in the presence of an external magnetic field using the Ritus Eigenfunction method

Sprecher

Manuel Emiliano Monreal Cancino

12:10–12:25 Uhr

Visualizations of heavy-ion collisions based on a transport and a hybrid approach

Sprecher

Robin Sattler

12:30

16:00

Talks

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Sourendu Gupta

16:00–16:15 Uhr

Peak of the Speed of Sound in QCD Matter: Violation of the Conformal Limit at Finite Density

Sprecher

Ricardo Luciano Sonogo Farias

16:20–16:35 Uhr

Exploring Dense QCD through Hamiltonian Lattice Simulations in (1+1) Dimensions

Sprecher

Kentaro Nishimura

16:40–16:55 Uhr

DSE and the pion in Minkowski space: new developments

Sprecher

Dyana Duarte

17:00–17:15 Uhr

ELECTROMAGNETIC EFFECTS ON THE QCD COUPLING

Sprecher

Flávia Gomes Fialho

17:20–17:25 Uhr

Closing

17:25

Sprecher

Christian Fischer, Tetyana Galatyuk