

Programm der Sitzung

17.-21. Sept. 2025



Erice: INTERNATIONAL SCHOOL OF NUCLEAR PHYSICS, 46th COURSE

Lectures

Erice

Mi., 17. September

09:00

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Tetyana Galatyuk

09:00–09:40 Uhr

What have we learned from the RHIC beam energy scan about the QCD critical point

Sprecher

Volker Koch

09:50–10:30 Uhr

Overview on the QCD phase diagram at large chemical potential and the CBM experiment

Sprecher

Anton Andronic

10:40

11:10

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Christian Fischer

11:10–11:50 Uhr

Hot and dense QCD from functional methods

Sprecher

Fabian Rennecke

12:00–12:40 Uhr

Cold and dense QCD matter and neutron stars

Sprecher

Yuki Fujimoto

12:50

Do., 18. September

09:00

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** David Blaschke

09:00–09:40 Uhr **Heavy flavor in medium from lattice QCD**

Sprecher

Peter Petreczky

09:50–10:30 Uhr

Experimental highlights of heavy-flavor production in heavy-ion collisions

Sprecher

Cameron Dean

10:40

11:10

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Gabriel Silveira Denicol

11:10–11:50 Uhr **Heavy-Flavor Theory for QCD Matter (HEFTY): Goals and Progress**

Sprecher

Ralf Rapp

12:00–12:40 Uhr

A New Observable of Radial Flow: Probing Isotropic Expansion of QCD Matter

Sprecher

Bedangadas Mohanty

12:50

Sa., 20. September

09:00

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Anton Andronic

09:00–09:40 Uhr

Overview on Hypernuclei (present and future)

Sprecher

Koji Miwa

10:40

09:50–10:30 Uhr

Dileptons and spectral functions

Sprecher

Joachim Stroth

11:10

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Yuki Fujimoto

11:10–11:50 Uhr

QCD under extreme conditions - present and future STAR's perspective

Sprecher

Lijuan Ruan

12:00–12:15 Uhr

Confining density functional for QCD: heavy-ion collisions, neutron stars, mergers and supernovae

Sprecher

Oleksii Ivanytskyi

12:20–12:35 Uhr

Primordial black-hole formation and heavy r-process element synthesis from the cosmological QCD transition.

Sprecher

David Blaschke

12:40

So., 21. September

09:00

Lectures

Sitzung | **Ort:** Lecture Hall San Domenico | **Vorsitzender:** Volker Koch

09:00–09:40 Uhr

Phenomenology of dense and hot matter in heavy ion collisions

Sprecher

Gabriel Silveira Denicol

09:50–10:30 Uhr

The QCD phase diagram: Terrestrial to Cosmic collisions

Sprecher

Sourendu Gupta

10:40