

Session Program

26 August 2024 to 4 September 2024



XIII International Conference
on New Frontiers in Physics

26 Aug - 4 Sep 2024, OAC, Kolymbari, Crete, Greece

XIII International Conference on New Frontiers in Physics 2024

Workshop on "Half a Century of QCD"

Orthodox Academy of Crete, Kolymbari, Crete, Greece

Wednesday 28 August

16:00

Workshop on "Half a Century of QCD"

Session | **Location:** Room 2 | **Convener:** Sonia Kabana

16:00–16:30

From Quarks to Quantum Chromodynamics

Speaker

Prof. Willibald Plessas

16:30–17:10

From QED atoms to QCD hadrons

Speaker

Paul Hoyer

17:10–17:50

Symmetries of QCD

Speaker

Leonid Glozman

17:50–18:30

QCD Then and Now: From the Early Days to Present and Future

Speakers

Michael Shifman, Mikhail Misha Shifman

18:30

Thursday 29 August

09:00

Workshop on "Half a Century of QCD"

Session | **Location:** Room 1 | **Convener:** Paul Hoyer

09:00–09:45

Quantum Chromodynamics and the Constituent-Quark Model

Speaker

Prof. Willibald Plessas

10:30

10:45

Workshop on "Half a Century of QCD"

Session | **Location:** Room 1 | **Convener:** Leonid Glozman

10:45–11:30

Inclusive Precision QCD in the High-Energy Domain

Speaker

Prof. Johannes Bluemlein

13:00

16:00

Workshop on "Half a Century of QCD"

Session | **Location:** Room 1 | **Convener:** Prof. Willibald Plessas

16:00–16:45

Chiral dynamics of nuclear systems

Speaker

Prof. Evgeny Epelbaum

16:45–17:30

Hadron Spectroscopy from Lattice QCD Simulations

Speaker

Dr Padmanath Madanagopalan

17:30–18:15

Proton structure using state-of-the-art lattice QCD simulations

Speaker

Constantia Alexandrou

18:15–19:00

Hadron Spectroscopy, Hadron Dynamics, and the QCD Running Coupling from Holographic Light-Front QCD

Speakers

Stanley Brodsky, Stanley J. brodsky

19:00

Friday 30 August

11:00

Workshop on "Half a Century of QCD"

Session | **Location:** Room 2

11:00–11:45

Beth-Uhlenbeck approach to quark-hadron matter and chemical freeze-out in heavy-ion collisions

Speaker

David Blaschke

11:45–12:30

QCD in dense media

Speaker

Sonia Kabana

12:30