

# **Various faces of QCD**

## **Report of Contributions**

Contribution ID : 1

Type : **not specified**

# **Omega and Delta baryons – old friends and new physics**

*Friday, 26 April 2024 15:15 (30)*

**Presenter(s)** : LEUPOLD, Stefan

**Session Classification** : Plenary Session

Contribution ID : 2

Type : **not specified**

## **Gravitational form factors of the pion: lattice QCD meets meson dominance**

*Friday, 26 April 2024 16:50 (25)*

**Presenter(s)** : BRONIOWSKI, Wojciech (UJK & IFJ PAN)

**Session Classification** : Plenary Session

Contribution ID : 3

Type : **not specified**

## **Observation of nonequilibrium effects in collective flow**

*Friday, 26 April 2024 15:45 (25)*

**Presenter(s)** : BOŹEK, Piotr

**Session Classification** : Plenary Session

Contribution ID : 4

Type : **not specified**

## **Thermal model description of matter produced in the few-GeV energy regime**

*Friday, 26 April 2024 16:10 (25)*

**Presenter(s) :** RYBLEWSKI, Radosław (Institute of Nuclear Physics Polish Academy of Sciences)

**Session Classification :** Plenary Session

Contribution ID : 5

Type : **not specified**

## **Quantum effects in the fireball and nontrivial vacuum**

*Friday, 26 April 2024 16:35 (15)*

**Presenter(s)** : TINTI, Leonardo

**Session Classification** : Plenary Session

Contribution ID : 6

Type : **not specified**

## **Theory ↔ experiment - what comes first (for low energy mesons)?**

*Saturday, 27 April 2024 09:00 (25)*

**Presenter(s)** : KAMINSKI, Robert (Institute of Nuclear Physics PAS)

**Session Classification** : Plenary Session

Contribution ID : 7

Type : **not specified**

## **Some large- $N_c$ faces of QCD in the medium**

*Saturday, 27 April 2024 09:25 (25)*

**Presenter(s)** : GIACOSA, Francesco (Jan Kochanowski University - Kielce)

**Session Classification** : Plenary Session



Contribution ID : 8

Type : **not specified**

## **Attractors in QGP dynamics**

*Saturday, 27 April 2024 09:50 (25)*

**Presenter(s)** : SPALIŃSKI, Michał

**Session Classification** : Plenary Session

Contribution ID : 9

Type : **not specified**

## **Mass And Possible Quantum Numbers of X (6900)**

*Saturday, 27 April 2024 10:15 (15)*

**Presenter(s)** : KUCHTA, Morgan

**Session Classification** : Plenary Session

Various faces of... / Report of Contributions

TBA

Contribution ID : **10**

Type : **not specified**

**TBA**

**Presenter(s)** : GOLEC-BIERNAT, Krzysztof

**Session Classification** : Plenary Session

Contribution ID : 11

Type : **not specified**

## **Proton's structure and entanglement entropy**

*Saturday, 27 April 2024 11:00 (25)*

**Presenter(s)** : KUTAK, Krzysztof

**Session Classification** : Plenary Session

Contribution ID : **12**

Type : **not specified**

## **Nucleon structure from lattice QCD**

*Saturday, 27 April 2024 11:25 (25)*

**Presenter(s)** : CICHY, Krzysztof (Adam Mickiewicz University)

**Session Classification** : Plenary Session

Contribution ID : 13

Type : **not specified**

## **Diffraction top pair production at LHC with forward detectors**

*Saturday, 27 April 2024 11:50 (15)*

**Presenter(s)** : ERNANI MARTINS NETO, Daniel (IFJ-PAN)

**Session Classification** : Plenary Session

Contribution ID : 14

Type : **not specified**

## **Diagram of high-energy nuclear collisions**

*Saturday, 27 April 2024 14:40 (30)*

**Presenter(s)** : GAŹDZICKI, Marek

**Session Classification** : Ludwik Fest

Contribution ID : 15

Type : **not specified**

## **Early days of Ludwik Turko at ITP in sixties and seventies**

*Saturday, 27 April 2024 13:50 (20)*

**Presenter(s)** : LUKIERSKI, Jerzy

**Session Classification** : Ludwik Fest



Contribution ID : 16

Type : **not specified**

## **Experimental studies of the diagram of strongly interacting matter**

*Saturday, 27 April 2024 14:10 (30)*

**Presenter(s)** : LEWICKI, Maciej

**Session Classification** : Ludwik Fest

Various faces of... / Report of Contributions

TBA

Contribution ID : **18**

Type : **not specified**

**TBA**

**Presenter(s)** : BZDAK, Adam

**Session Classification** : Plenary Session

Contribution ID : 19

Type : **not specified**

## **Future studies of photon-photon scattering in ultraperipheral heavy ion collisions**

*Saturday, 27 April 2024 16:20 (25)*

**Presenter(s)** : SZCZUREK, Antoni

**Session Classification** : Plenary Session

Contribution ID : 20

Type : **not specified**

## **Polarization of spin-1/2 particles with effective spacetime dependent masses**

*Saturday, 27 April 2024 16:45 (25)*

**Presenter(s)** : FLORKOWSKI, Wojciech

**Session Classification** : Plenary Session

Contribution ID : 21

Type : **not specified**

## **Spin Polarization in Heavy Ion Collisions**

*Saturday, 27 April 2024 17:10 (15)*

**Presenter(s)** : DAHER, Asaad

**Session Classification** : Plenary Session

Contribution ID : 22

Type : **not specified**

## **Open charm production cross section from combined LHC experiments**

*Saturday, 27 April 2024 17:25 (25)*

**Presenter(s)** : OTWINOWSKI, Jacek

**Session Classification** : Plenary Session

Contribution ID : 23

Type : **not specified**

## **Femtoscscopy at various $\mu_B$**

*Sunday, 28 April 2024 09:00 (25)*

**Presenter(s)** : ZBROSZCZYK, Hanna

**Session Classification** : Plenary Session

Contribution ID : 24

Type : **not specified**

## **Studies of baryonic matter properties at FAIR**

*Sunday, 28 April 2024 09:25 (25)*

**Presenter(s)** : SALABURA, Piotr

**Session Classification** : Plenary Session



Contribution ID : 25

Type : **not specified**

## **Glasma properties from a proper time expansion**

*Sunday, 28 April 2024 09:50 (25)*

**Presenter(s)** : CARRINGTON, Margaret

**Session Classification** : Plenary Session

Contribution ID : 26

Type : **not specified**

## **Jet quenching in glasma**

*Sunday, 28 April 2024 10:15 (25)*

**Presenter(s)** : MRÓWCZYŃSKI, Stanisław

**Session Classification** : Plenary Session

Contribution ID : 27

Type : **not specified**

## **Fluctuations of baryon number at finite temperature and magnetic field**

*Sunday, 28 April 2024 10:40 (15)*

**Presenter(s)** : SZYMAŃSKI, Michał

**Session Classification** : Plenary Session

Contribution ID : 28

Type : **not specified**

## **Overview of ATLAS forward proton detectors: status, performance and new physics results**

*Saturday, 27 April 2024 12:05 (15)*

**Presenter(s)** : PATEL, Pragati

**Session Classification** : Plenary Session

Contribution ID : 29

Type : **not specified**

## **Modelling choices in Multi-fluid dynamical descriptions of low energy heavy ion collisions**

*Sunday, 28 April 2024 11:30 (15)*

**Presenter(s)** : WERTHMANN, Clemens

**Session Classification** : Plenary Session

Contribution ID : **30**

Type : **not specified**

## **Role of Strangeness in Neutron Stars**

*Sunday, 28 April 2024 11:45 (15)*

**Presenter(s)** : SHAHRBAF, Mahboubeh

**Session Classification** : Plenary Session

Contribution ID : 31

Type : **not specified**

## **Effect of color superconductivity on QCD phase diagram**

*Sunday, 28 April 2024 12:00 (15)*

**Presenter(s)** : SHUKLA, Udit

**Session Classification** : Plenary Session

Contribution ID : **32**

Type : **not specified**

## **Production rate of charm quarks in hot QCD**

*Sunday, 28 April 2024 12:15 (15)*

**Presenter(s)** : MYKHAYLOVA, Valeriya

**Session Classification** : Plenary Session



Various faces of... / Report of Contributions

TBA

Contribution ID : **33**

Type : **not specified**

**TBA**

**Presenter(s)** : AYRIYAN, Alexander

**Session Classification** : Plenary Session

Contribution ID : 34

Type : **not specified**

## **Mott dissociation in the hadron resonance gas and the onset of deconfinement**

*Saturday, 27 April 2024 15:10 (20)*

**Presenter(s)** : BLASCHKE, David (University of Wroclaw & JINR Dubna)

**Session Classification** : Ludwik Fest

Contribution ID : 35

Type : **not specified**

## **Quark deconfinement in compact stars through sexaquark condensation**

*Sunday, 28 April 2024 12:30 (15)*

**Presenter(s)** : IVANYTSKYI, Oleksii

**Session Classification** : Plenary Session

Contribution ID : 36

Type : **not specified**

## **Simulations of massive star explosion driven by a first-order QCD phase transition: Neutrino signal and gravitational wave mode analysis**

*Sunday, 28 April 2024 12:45 (15)*

**Presenter(s)** : KHOSRAVI LARGANI, Noshad

**Session Classification** : Plenary Session

Various faces of... / Report of Contributions

TBA

Contribution ID : 37

Type : **not specified**

**TBA**

*Saturday, 27 April 2024 15:30 (20)*

**Presenter(s)** : TURKO, Ludwik

**Session Classification** : Ludwik Fest