



# Various faces of QCD

## Friday 26 April 2024

**Plenary Session - Rzewuski Hall (15:15-17:25)**

**-Conveners: Chihiro Sasaki**

time	[id] title	presenter
15:15	[1] Omega and Delta baryons -- old friends and new physics	LEUPOLD, Stefan
15:45	[3] Observation of nonequilibrium effects in collective flow	BOŻEK, Piotr
16:10	[4] Thermal model description of matter produced in the few-GeV energy regime	RYBLEWSKI, Radosław
16:35	[5] Quantum effects in the fireball and nontrivial vacuum	TINTI, Leonardo
16:50	[2] Gravitational form factors of the pion: lattice QCD meets meson dominance	BRONIOWSKI, Wojciech

# Saturday 27 April 2024

## Plenary Session - Rzewuski Hall (09:00-10:30)

**-Conveners: Pok Man Lo**

time	[id] title	presenter
09:00	[6] Theory ↔ experiment - what comes first (for low energy mesons)?	KAMINSKI, Robert
09:25	[7] Some large- $N_c$ faces of QCD in the medium	GIACOSA, Francesco
09:50	[8] Attractors in QGP dynamics	SPALIŃSKI, Michał
10:15	[9] Mass And Possible Quantum Numbers of X (6900)	KUCHTA, Morgan

## Plenary Session - Rzewuski Hall (11:00-12:20)

**-Conveners: Pok Man Lo**

time	[id] title	presenter
11:00	[11] Proton's structure and entanglement entropy	KUTAK, Krzysztof
11:25	[12] Nucleon structure from lattice QCD	CICHY, Krzysztof
11:50	[13] Diffractive top pair production at LHC with forward detectors	ERNANI MARTINS NETO, Daniel
12:05	[28] Overview of ATLAS forward proton detectors: status, performance and new physics results	PATEL, Pragati

## Plenary Session - Rzewuski Hall (16:20-17:50)

**-Conveners: David Blaschke**

time	[id] title	presenter
16:20	[19] Future studies of photon-photon scattering in ultraperipheral heavy ion collisions	SZCZUREK, Antoni
16:45	[20] Polarization of spin-1/2 particles with effective spacetime dependent masses	FLORKOWSKI, Wojciech
17:10	[21] Spin Polarization in Heavy Ion Collisions	DAHER, Asaad
17:25	[22] Open charm production cross section from combined LHC experiments	OTWINOWSKI, Jacek

# Sunday 28 April 2024

## Plenary Session - Rzewuski Hall (09:00-11:00)

**-Conveners: Pasi Huovinen**

time	[id] title	presenter
09:00	[23] Femtoscopy at various $\mu_B$	ZBROSZCZYK, Hanna
09:25	[24] Studies of baryonic matter properties at FAIR	SALABURA, Piotr
09:50	[25] Glasma properties from a proper time expansion	CARRINGTON, Margaret
10:15	[26] Jet quenching in glasma	MRÓWCZYŃSKI, Stanisław
10:40	[27] Fluctuations of baryon number at finite temperature and magnetic field	SZYMAŃSKI, Michał

## Plenary Session - Rzewuski Hall (11:30-13:00)

**-Conveners: Michał Marczenko**

time	[id] title	presenter
11:30	[29] Modelling choices in Multi-fluid dynamical descriptions of low energy heavy ion collisions	WERTHMANN, Clemens
11:45	[30] Role of Strangeness in Neutron Stars	SHAHRBAF, Mahboubeh
12:00	[31] Effect of color superconductivity on QCD phase diagram	SHUKLA, Udit
12:15	[32] Production rate of charm quarks in hot QCD	MYKHAYLOVA, Valeriya
12:30	[35] Quark deconfinement in compact stars through sexaquark condensation	IVANYTSKYI, Oleksii
12:45	[36] Simulations of massive star explosion driven by a first-order QCD phase transition: Neutrino signal and gravitational wave mode analysis	KHOSRAVI LARGANI, Noshad