

Session Program

2-6 Aug 2021

**A Virtual Tribute to Quark Confinement and
the Hadron Spectrum 2021**

Parallels Focus Subsection

online

Monday 2 August

17:00

Parallels Focus Subsection: Parallel I

Session | **Location:** online

17:00–17:20

Hadron Cosmological Constant and Origin of Proton Mass

Speaker

Keh-Fei Liu

17:20–17:40

Two Schrodinger-like Equations for hadrons

Speaker

Prof. Ruben Sandapen

17:40–17:55

Highly excited pure gauge SU(3) flux tubes

Speaker

Pedro Bicudo

18:00

Tuesday 3 August

09:00

Parallels Focus Subsection: Parallel II

Session | Location: online

09:00–09:20

Confinement and Pseudoscalar Glueball Spectrum in the 2+1D QCD-Like Theory from Non-Susy D2 Brane

Speaker

Ms ADRITA CHAKRABORTY

09:20–09:40

Hadrons as QCD Bound States

Speaker

Paul Hoyer

09:40–10:00

The Λ^2 Asymmetry and Gluon Propagators in Lattice $SU(3)$ Gluodynamics at $T \simeq T_c$

Speaker

Roman Rogalyov

10:00

Wednesday 4 August

17:00

Parallels Focus Subsection: Parallel III

Session | **Location:** online

17:00–17:20

Quantized vortices in pionic superfluid**Speakers**

Oleg Teryaev, Valentin Zakharov

17:20–17:40

Quantum computing with chiral fermions***Speaker**

Prof. Qiang Li

17:40–18:00

Chiral entanglement and its measurement in electric quenches**Speaker**

Dr Adrien Florio

18:00

Thursday 5 August

09:00

Parallels Focus Subsection: Parallel IV

Session | Location: online

09:00–09:20

On boundary corrections of Lüscher-Weisz string.

Speaker

Mr Mostafa Khalil

09:20–09:40

Renormalizability of the center-vortex free sector of Yang-Mills theory

Speaker

David Rosa Junior

09:40–10:00

Quark Gluon Vertex from $N_F=2$ Lattice QCD

Speaker

Dr Ayse Kizilersu

10:00

10:10

Parallels Focus Subsection: Parallel V

Session | Location: online

10:10–10:30

Vortices in PT-symmetric non-Hermitian two-component superfluid

Speaker

Alexander Begun

10:30–10:50

Nonlocal Potts model on random lattice and chromatic number of the plane

Speaker

Aleksei Tanashkin

10:50–11:10

Magnetic Knots In Superconductors With Broken Inversion Symmetry

Speaker

Anatolii Korneev

11:10

Friday 6 August

14:30

Parallels Focus Subsection: Parallel VI

Session | **Location:** online**14:30–14:50** **Quantum Anomalies (in) Matter****Speaker**

Karl Landsteiner

14:50–15:10 **Anomalous currents in a hadronic fluid****Speaker**

Dr Eugenio Megias

15:10–15:30**Quantum Monte Carlo calculation of the Fermi velocity renormalization in graphene: a test of convergence for perturbative series****Speaker**

Maksim Ulybyshev

15:30

15:40

Parallels Focus Subsection: Parallel VII

Session | **Location:** online**15:40–16:00** **Is the Chiral Magnetic Effect fast enough?****Speaker**

Sebastian Grieninger

16:00–16:20 **Matching hydrodynamics and the equivalence principle****Speaker**

Andrey Sadofyev

16:20