

# Time-table

22 July

## Morning Session 09:50 – 13:30

Chairman: *Anton Godizov* (NRC “Kurchatov Institute” - IHEP)

Vladimir Petrov (Logunov IHEP, NRC KI, Protvino) **OFFLINE** 09:50 - 10:00

*Introductory greeting*

Mikhail Ryskin (INP NRC KI, St. Petersburg) **ONLINE** 10:00 - 10:40

*Modern status of diffractive studies*

Emerson Luna (Federal University of Rio Grande do Sul, Porto Alegre) **ONLINE** 10:45 - 11:25

*Unitarity effects in high-energy elastic scattering*

## Coffee break 11:30-12:00

Chairman: *Anton Godizov* (NRC “Kurchatov Institute” - IHEP)

Akira Watanabe (National Institute of Technology, Oshima College) **ONLINE** 12:00-12:40

*Elastic proton-proton and pion-proton scattering in holographic QCD*

Oueslati Rami (Université de Liege) **ONLINE** 12:45-13:25

*Pomeron weights in QCD processes at high energy and the S-Matrix unitarity constraint*

## Lunch 13:30-15:00

## Afternoon Session 15:00-18:45

Chairman: *Roman Ryutin* (NRC “Kurchatov Institute” - IHEP)

Sergei Troshin (NRC “Kurchatov Institute” - IHEP, Protvino) **OFFLINE** 15:00-15:40

*Multiplicity distribution and the reflective scattering*

Vladimir Vechernin (St. Petersburg State University) **ONLINE** 15:45-16:25

*Enhancement of the coalescence coefficient in diffraction processes*

## Coffee break 16:25-16:45

Chairman: *Roman Ryutin* (NRC “Kurchatov Institute” - IHEP)

Vladimir Kovalenko (St. Petersburg State University) **OFFLINE** 16:45-17:25

*Multiplicity distributions and modified combinants in the multipomeron model of pp Interaction at High Energies*

## GENERAL DISCUSSION

17:30-18:30

Discussion leader: *Vladimir Petrov* (NRC “Kurchatov Institute” - IHEP)

# 23 July

## Morning Session 10:00-13:30

Chairman: *Anatoli Samokhin* (NRC “Kurchatov Institute” - IHEP)

**Eugeny Kryshen** (INP NRC KI, St. Petersburg & JINR, Dubna) **ONLINE** 10:00-10:40

*Ultra peripheral collisions at ALICE*

**Oleg Selyugin** (JINR, Dubna) **OFFLINE** 10:45-11:25

*Unified description of elastic hadron scattering at low and high energies*

## Coffee break 11:30-12:00

Chairman: *Anatoli Samokhin* (NRC “Kurchatov Institute” - IHEP)

**Haimon Trebien** (Universidade Federal de Santa Catarina, Florianópolis) **ONLINE** 12:00-12:40

*Coherent photoproduction of light vector mesons off nuclear targets  
in the dipole picture*

**SangHo Kim** (Soongsil University, Seoul) **ONLINE** 12:45-13:25

*J/Ψ -meson photoproduction off the nucleon in a dynamical model*

## Lunch 13:30 -15:00

## Afternoon Session 15:00-18:45

Chairman: *Sergei Evdokimov* (NRC “Kurchatov Institute” - IHEP)

**Yajin Zhou** (Institute of High Energy Physics, IHEP-UCAS, Beijing) **ONLINE** 15:00-15:40

*Azimuthal modulation in diffractive vector meson/di-jet production  
in ultra-peripheral collisions*

**Rabia Hameed** (Institute of High Energy Physics, IHEP-UCAS, Beijing) **ONLINE** 15:45-16:25

*Single and double diffractive production of dilepton and photon at LHC*

## Coffee break 16:30-17:00

Chairman: *Sergei Evdokimov* (NRC “Kurchatov Institute” - IHEP)

**Rauf Jafarov** (Baku State University) **ONLINE** 17:00-17:40

*Higgs bosons production and scattering processes beyond the perturbation theory*

**Jing Xu Wu** (Moscow State University) **ONLINE** 17:45-18:25

*Chiral symmetry, Conformal breaking, and transport coefficients  
in the two-flavour PNJL theory.*

## GENERAL DISCUSSION

18.30 -19:30

Discussion leader: *Vladimir Petrov* (NRC “Kurchatov Institute” - IHEP)

# 24 July

## Morning Session 10:00-13:30

Chairman: *Alexander Kisselev* (NRC “Kurchatov Institute” - IHEP)

**Viktor Kim** (INP NRC KI, St. Petersburg) **OFFLINE**

**10:00-10:40**

*Regge trajectories in QCD*

**Lucas Moriggi** (UNICENTRO, Brazil) **ONLINE**

**10:45-11:25**

*Precise determination of pomeron intercept via scaling entropy analysis*

## Coffee break 11:30-12:00

Chairman: *Alexander Kisselev* (NRC “Kurchatov Institute” - IHEP)

**Roman Ryutin** (NRC “Kurchatov Institute” - IHEP, Protvino) **OFFLINE**

**12:00-12:40**

*Covariant reggeization framework for diffraction*

**Vitaly Okorokov** (National Research Nuclear University MEPhI, Russia) **ONLINE** **12:45-13:25**

*Energy dependence of cross sections in proton-proton and antiproton-proton collisions*

## Lunch 13:30-15:00

## Afternoon Session 15:00-18:45

Chairman: *Anton Godizov* (NRC “Kurchatov Institute” - IHEP)

**Yuri Khokhlov** (NRC “Kurchatov Institute” - IHEP, Protvino) **OFFLINE**

**15:00-15:40**

*Recent experimental results on charge exchange reactions with VES setup*

**Dmitri Sosnov** (INP NRC KI, St. Petersburg) **OFFLINE**

**15:40-16:20**

*Pomeron- and photon- exchange contributions in proton-nuclear collisions with large rapidity gaps at the LHC energies*

**Érison Rocha** (University of Rio Grande do Sul, Porto Alegre) **ONLINE**

**16:20-17:00**

*Light vector meson photoproduction in ultraperipheral heavy ion collisions at the LHC within the Reggeometric Pomeron approach*

## Coffee break 17:00-17:20

**Vladimir Petrov** (NRC “Kurchatov Institute” - IHEP, Protvino) **OFFLINE**

**17:20-18:00**

*On sizes of hadrons*

## GENERAL DISCUSSION & SUMMARY

**18:00-19:00**

Discussion leader: *Viktor Kim* (INP NRC KI, St. Petersburg)

**Farewell drink 19:00-21:00**