

Session Program

23–27 Jun 2025

**South Africa - JINR Workshop on Theoretical and
Computational Physics**

Thursday

BLTP, conference hall
Dubna, Russia

Thursday 26 June

09:00

Thursday: (Chairman: M. Gandamipfa)

Session | Location: BLTP, conference hall

09:00–09:30 Approximating the Jost function using artificial neural networks

Speaker

Tshegofatso Tshipi

09:30–10:00 Regularized Integrodifferential Equations Approach

Speaker

Gaotsiwe Rampho

10:00–10:30 The Langevin description of deep-inelastic heavy-ion collisions

Speaker

Гурген Адамян

10:30

11:00

Thursday: (Chairman: M. Shatalov)

Session | Location: BLTP, conference hall

11:00–11:30 Three-dimensional configuration space Faddeev equations: Theory and Applications

Speaker

Mantile Lekala

11:30–12:00 Confluence of Strong correlation, Quantum materials, and Topology

Speaker

Dr Каушаль Кешарпу

12:00

13:30

Thursday: (Chairman: T. Tshipi)

Session | Location: BLTP, conference hall

13:30–14:00 New minimal set of the spherical bipolar harmonics

Speaker

Сергей Ершов

14:00–14:30

Study of the structure of nuclei in the alpha-cluster model by hyperspherical functions method

Speaker

Anton Bazhin

14:30–15:00 Chaotic structures in collision of solitons

Speaker

Yakov Shnir

15:00

15:30

Thursday: (Chairman: A. Kotikov)

Session | Location: BLTP, conference hall

15:30–16:00 Time-dependent description of nucleon-transfer in nuclear reactions

Speaker

Viacheslav Samarin

16:00–16:30

KINETICS OF CHROMIUM SILICIDE LAYER GROWTH IN SILICON – CHROME BINARY PLATES

Speaker

Pavel Selyshchev

16:30–17:00

Extended Dual QCD and its mass spectrum

Speaker

Dr Garima Punetha

17:00