**Session Program** 

23-27 Jun 2025

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

## Monday

BLTP, conference hall Dubna, Russia

## Monday 23 June

08:30	Monday: (Chairman: S. Rakitianski) Session   Location: BLTP, conference hall
	09:00-09:30 <b>Opening</b>
	09:30-10:00 From Dinuclear System to Close Binary Cosmic Objects
	<b>Speaker</b> Prof. Nikolai Antonenko
	10:00-10:30 Polarization, vorticity and shear in hadronic and heavy-ion collisions
10:30	Speaker Oleg Teryaev
11:00	Monday: (Chairman: M. Lekala) Session   Location: BLTP, conference hall
	11:00-11:30 Leigh-Strassler theories and their Hopf algebra structure
	Speaker Dr Hector Dlamini
	11:30-12:00 Giant resonances in nuclei and their wavelet analysis
12:00	<b>Speaker</b> Valentin Nesterenko
13:30	Monday: (Chairman: G. Rampho) Session   Location: BLTP, conference hall
	13:30-14:00 Small atomic He clusters at low energies
	<b>Speaker</b> Dr Elena Kolganova
	14:00-14:30 At the dawn of research in artificial intelligence and structured programming in physics institute
	Speaker Alexander Zakharov
	14:30-15:00 Bounds on variation of eigenvectors and spectral subspaces under a perturbation
15:00	Speaker Alexander Motovilov
15:30	Monday: (Chairman: I. David) Session   Location: BLTP, conference hall
	15:30-16:00 R-matrix and Jost function analysis of experimental nuclear scattering data.
	<b>Speaker</b> Dr Paul Vaandrager
	16:00-16:30 New variational method in quantum few-body theory

**Speaker** Prof. Sergei Rakityansky

## 16:30–17:00 Recent paradoxes of cosmology

Speaker

Dr Anton Baushev

17:00