Problems of the Modern Mathematical Physics – PMMP'25

10-14 February 2025, Dubna

February 13, Thursday **19:00 – Workshop Dinner**	Chairmen:	**10:00-13:30 – Nikolay Tuyrin** **15:00-16:15 – Dmitri Bykov** **16:45-18:05 – Edvard Musaev**

10:00-10:45	**Andrey D. Mironov** Quantum toroidal algebra, generalized Ruijsenaars Hamiltonians and their eigenfunctions
10:45-11:30	**Andrei Shafarevich** Lagrangian manifolds and Petrovsky surfaces, corresponding to short-wave asymptotics for hyperbolic systems with abruptly varying coefficients
11:30-12:00	*Coffee break*
12:00-12:45	**Mikhail Babich** On isomonodromy deformations of differential systems
12:45-13:30	**Edvard Musaev** Dualities and symmetries of M-theory vacua
13:30-15:00	*Lunch*
15:00-15:45	**Andrew Kuzovchikov** Mechanics on coadjoint orbits
	Viacheslav Krivorol Sigma models and (co)adjoint orbits
15:45-16:15	**Tsvetan Vetsov** Quantum Fisher metric and (non)equilibrium optimal control of harmonic oscillator in external fields
16:15-16:45	*Coffee break*
16:45-17:15	**Timofei Snegirev** Perfect fluid dynamics with conformal Newton-Hook symmetry
17:15-17:45	**Mikhail Alfimov** CFTs and their integrable deformations defined by screening charges
17:45-18:05	**Polina Makoveeva** Функционал Ляпунова-Красовского с заданной производной и матрица Ляпунова для уравнения в частных производных с запаздыванием