



# The XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020)

## Tuesday, 10 November 2020

### Theoretical Physics (14:00 - 16:00)

| time  | [id] title   | presenter              |
|-------|--|------------------------|
| 14:00 | [707] $B_c^*$ radiative decay width  | ISSADYKOV, Aidos       |
| 14:15 | [726] Nonleptonic weak decays of charmed baryons   | TYULEMISSOV, Zhomart   |
| 14:30 | [799] Weak rare decays for $B \rightarrow \omega$ transitions within covariant confined quark model framework  | Dr SONI, Nakul         |
| 14:45 | [762] $\omega$ - $\phi$ mixing and processes $\phi \rightarrow 3\pi$ , $e+e \rightarrow \phi\pi$ .             | NURLAN, Kanat          |
| 15:00 | [727] Lattice study of the confinement-deconfinement phase transition in SU(3) gluodynamics in rotating frames | ROENKO, Artem          |
| 15:15 | [772] Equation of State at Imaginary Chemical Potential and External Magnetic Field from Lattice QCD           | KOLOMOYETS, Natalia    |
| 15:30 | [747] Hamiltonian BFV-BRST quantization for the systems with unfree gauge symmetry                             | Ms ABAKUMOVA, Victoria |
| 15:45 | [732] Solitonic Vortex in 4d SQCD vs Critical Superstring  | IEVLEV, Evgenii        |

### Theoretical Physics (16:15 - 18:15)

| time  | [id] title   | presenter              |
|-------|--|------------------------|
| 16:15 | [818] On recent results in Feynman integrals calculation and related topics  | Dr PIKELNER, Andrey    |
| 16:30 | [763] Anomaly sum rules for the case of a singlet current and their features   | Mr KHLEBTSOV, Sergei   |
| 16:45 | [765] Heavy neutrino signals in models with extended lepton sector   | Mrs NIKOLAEVA, Tatiana |
| 17:00 | [768] Description of low-lying states of $^{96}\text{Zr}$ based on the collective Bohr Hamiltonian including the triaxial degree of freedom          | MARDYBAN, Evgenii      |
| 17:15 | [769] Investigation of shape coexistence in $^{96}\text{Zr}$ and $^{96}\text{Mo}$ within the framework of one-dimensional geometric collective model | MARDYBAN, Mariia       |
| 17:30 | [756] Study of low-lying resonance states in the break up of $^{11}\text{Be}$  | Mr VALIOLDA, Dinara    |
| 17:45 | [796] Geometry-dependent classicality of qutrits on low-dimensional orbits   | TOROSYAN, Astghik      |
| 18:00 | [719] WIGNER FUNCTION REPRESENTATION IN EIGENFUNCTION BASIS OF HARMONIC OSCILLATOR   | BURLAKOV, Evgeny       |