

**Timetable of the IV Russian-Spanish Congress**

<b>04.09.2017</b>			
<i>Time</i>		<i>Speaker</i>	<i>Title of talk</i>
09.00	20	BLTP/JINR/Spain	Greetings
09.20	30	Valery Rubakov	Generalized Galileons: towards bouncing and Genesis cosmology
09.50	30	Javier de Cruz	Evidence of dynamical vacuum energy in the expanding universe
10.20	30	Alexei Starobinsky	Reconstruction and formation of inflation in $f(R)$ gravity
10.50	Coffee break 30		
11.20	20	Luciano Gabbanelli	Effects of the cosmological constant and dark matter on the propagation of gravitational waves
11.40	20	Anton Baushev	Cusps in the center of galaxies: a real conflict with observations or a numerical artefact of cosmological simulations?
12.00	20	Vladimir Belokurov	The evolution of the Universe caused by the quantum scalar field
12.30	Lunch		
14.30	20	Sergey Vernov	Inflationary models motivated by the Quantum Field Theory
14.50	30	Jorge Ovalle	Decoupling Gravitational Sources in General Relativity
15.20	20	Evgeny Davydov	Inflation models in metric and Palatini approaches: A Horndeski case
15.40	Coffee break 20		
16.00	20	Elena Arbuzova	Cosmological instability of gravitational baryogenesis
16.20	20	Anton Sheykin	The Hilbert-Palatini formalism with non-symmetric connection and its relation to gauge theories
16.40	20	Vasilisa Nikiforova	On the stability of self-accelerating Universe in modified gravitational theory with dynamical torsion
17.00	20	Artem Starodubtsev	On discreteness of spacetime in minisuperspace models
17.20	End of Section		
19.00	Welcome party		

<b>05.09.2017</b>			
<i>Time</i>		<i>Speaker</i>	<i>Title of talk</i>
09.30	30	Lev Lipatov	Euler-Lagrange equations for high energy effective actions in QCD and gravity
10.00	30	Andrey Slavnov	New method of quantization of nonabelian gauge fields.
10.30	30	Alexander Gorsky	S-duality for holographic p-wave superconductor

11.00	Coffee break 20		
11.20	30	Irina Aref'eva	Holography for heavy Ions
11.50	20	Sergey Afonin	Higher spin mesons and Regge trajectories in soft-wall holographic model
12.10	30	Evgeny Ivanov	Quaternion-Kähler N = 4 supersymmetric mechanics
12.40	20	Alexey Isaev	R-matrix, star-triangle relations and Yangians for conformal algebras
13.00	Lunch		
14.30	20	Leonid Bork	Ambitwistor strings and form factors in N=4 SYM
14.50	30	Sofian Teber	New results on the critical fermion flavour number in (2+1)-dimensional QED
15.20	20	Yury Pismak	Interaction of the Dirac spinor field with a 2-dimensional material in models with a singular potential
15.40	20	Ekaterina Pozdeeva	Multyfields inflation from MSSM
16.00	Coffee break 20		
16.20	20	Mikhail Vysotsky	Resonances in positron scattering on a supercritical nucleus and spontaneous production of e+ e- pairs
16.40	20	Victor Kim	Manifestations of Asymptotic QCD Effects at Very High Energies
17.00	20	Anatoly Kotikov	Hadron multiplicities and SUSY-like relation between anomalous dimensions
17.20	20	Andrey Kotov	Temperature dependence of bulk and shear viscosities of QGP with lattice simulations
17.40	End of Section		

<b>06.09.2017</b>			
<i>Time</i>		<i>Speaker</i>	<i>Title of talk</i>
09.30	30	Aleksandr Andrianov	Chiral Imbalance and Exotic meson decays
10.00	30	Domenech Espriu	Production of Vector resonances at the LHC via WZ-scattering: a unitarized EChL analysis
10.30	30	Victor Braguta	Observation of confinement/deconfinement transition in dense SU(2) QCD
11.00	Coffee break 20		
11.20	30	Antonio Dobado	Chiral and electroweak symmetry restoration by acceleration
11.50	20	Svetlana Belokurova	Long-range correlations in the model with string fusion on a lattice
12.10	20	Arkadiy Taranenko	Results from RHIC Beam Energy Scan
12.30	20	Vladimir Vechernin	The correlation between yields of cumulative and heavy flavor particles in the model with string fusion
12.50	Lunch		
14.30	20	Oleg Teryaev	Pionic superfluidity and baryon polarization
14.50	20	Nikolay Krasnikov	Search for dark photons
15.10	20	Dmitry Gorbunov	Dark Matter sterile neutrino production in the early Universe
15.30	20	Alexander Silenko	Classical and quantum dynamics of spinning particles with dipole moments in inertial, gravitational and electromagnetic fields

15.50	Coffee break		
16.30	20	Andrey Grabovsky	Diffractive dijet photoproduction in NLO
16.50	20	Maxim Nefedov	DIS Structure functions in the NLO approximation of the Parton Reggeization Approach
17.10	20	Grigory Feofilov	Studies of strange and multi-strange particle production in ALICE at the LHC
17.30	End of Section		

### 07.09.2017

<i>Time</i>		<i>Speaker</i>	<i>Title of talk</i>
09.20	20	Vladimir Saleev	$B\bar{B}$ correlations at the LHC in the parton Reggeization approach beyond the leading order
09.40	20	Renaud Boussarie	NLO exclusive diffractive processes at small x with saturation
10.00	20	Tolga Altinoluk	Particle correlations in the CGC
10.20	20	Vladimir Kovalenko	Correlations between mean transverse momentum at LHC energies in Monte Carlo model with string fusion
10.40	Coffee break 20		
11.00	20	Andrei Kataev	The generalized Crewther relation in $SU(N_c)$ and $U(1)$ theories and its consequences: the current status of investigations
11.20	20	Grigorii Pivovarov	A New Parametric Representation for Three-Point Functions and a Skewed Sudakov Regime
11.40	20	Oleksandra Zhukova	The Galaxies are the live organisms
12.00	Lunch		
13.30	Excursion		
19.00	Conference dinner		

### 08.09.2017

<i>Time</i>		<i>Speaker</i>	<i>Title of talk</i>
09.30	20	Lech Szymanowski	Exclusive neutrino-production of a charmed and light mesons
09.50	20	Mikhail Ivanov	Weak decays of B-meson in the light of the search for new physics
10.10	20	Volodymyr Magas	Exotic hadrons in $\Lambda_b \rightarrow J/\Psi \phi \Lambda$ decay
10.30	20	Gennady Lykasov	Transverse momentum dependent gluon density for hard processes at LHC energies
10.50	20	Igor Anikin	Angular distributions in pion-nucleon Drell-Yan process
11.10	Coffee break 20		
11.30	20	Serge Bondarenko	The pion charge form factor from the separable kernel

11.50	20	Alexander Pankov	Precise determination of Z-Z' mixing with ATLAS diboson resonance production data at the LHC at 13 TeV
12.10	20	Yaroslav Klopov	Gluon anomaly, low energy theorem and radiative decays of eta and eta' mesons
12.30	20	Maxim Bezuglov	False vacuum decay in quantum mechanics and scalar field theory
12.50	20	Alisa Katanaeva	A holographic realization of SO(5)->SO(4) symmetry breaking pattern in a composite Higgs model
13.10	Closing		
13.30	Lunch		
14.30	Coffee break		