



Joint Institute for Nuclear Research



The Italian Embassy in the Russian Federation

RT'2015

Program of The VII Round-Table Italy-Russia@Dubna

“Hundred Years from GR’s Birth, SUGRA gets into its Forties”

Dubna 24th-28th November 2015

on the occasion of the 60th Jubilee of JINR



RT'2015

SCHEDULE

The International Conference Centre of JINR

	Wed 25 Nov	Thu 26 Nov	Fri 27 Nov
			9.00 – 9.45 A. Filippov
9.30 – 10.15	9.30-9.45 Registration 9.45 – 10.15 Opening V. Matveev, P. Fré	L. Castellani	9.45 – 10.30 L. Bonora
10.15 – 11.00	M. Capaccioli	A. Zaffaroni	10.30 – 11.15 M. Vasiliev
11.00 – 11.30	<i>Coffee Break</i>		11.15 – 11.45 <i>Coffee Break</i>
11.30 – 12.15	A. Dolgov	S. Ferrara	11.45 – 12.30 I. Antoniadis
12.15 – 13.00	G. Sharygin	L. Andrianopoli	12.30 – 13.15 V. Rubakov
13.00 – 14.30	<i>Lunch</i>		13.15 – 14.30 <i>Lunch</i>
14.30 – 15.15	O. Teryaev	M. Trigiante	D. Fursaev
15.15 – 16.00	D. Roest	P.A. Grassi	E. Ivanov
16.00 – 16.30	<i>Coffee break</i>		
16.30 – 17.15	D. Francia	A. Tomasiello	A. Belavin
17.15 – 18.00	G. Rastelli	D. Sorokin	P. Fré
18.00 – 18.45	S. Vernov	S. Bellucci	Sergio's Friends
			19.00 – Banquet

Wednesday 25th November

Time	Speaker	Title
9.30 – 9.45	Registration	
9.45 – 10.15	Opening V. Matveev, P. Fré	OPENING
10.15 – 11.00	Massimo Capaccioli (University of Naples Federico II)	A quest for dark matter
11.00 – 11.30	<i>Coffee Break</i>	
11.30 – 12.15	Alexander Dolgov (Novosibirsk State University & University of Ferrara)	Supersymmetric baryogenesis and cosmological antimatter
12.15 – 13.00	Georgy Sharygin (MSU & JINR)	Supergravity billiards and Bruhat order on Weyl groups
13.00 – 14.30	<i>Lunch</i>	
14.30 – 15.15	Oleg Teryaev (JINR)	Chaotic spin precession in anisotropic Universe.
15.15 – 16.00	Diederik Roest (Groeningen University)	Inflationary attractors in supergravity
16.00 – 16.30	<i>Coffee Break</i>	
16.30 – 17.15	Dario Francia (SNS Pisa)	Mixed-symmetry multiplets and higher- spin curvatures.
17.15 – 18.00	Giovanni Rastelli (Torino University)	Symmetry operators and separation of variables for Dirac's equation on two- dimensional spin manifolds with external fields
18.00 – 18.45	Sergey Vernov (Moscow State University)	Interdependence between integrable cosmological models with minimal and non-minimal coupling

Thursday 26th November

Time	Speaker	Title
9.30 – 10.15	Leonardo Castellani (Università del Piemonte Orientale)	Supergroup geometry and supergravity
10.15 – 11.00	Alberto Zaffaroni (Università di Milano-Bicocca)	Entropy of supersymmetric black holes in AdS4
11.00 – 11.30	<i>Coffee Break</i>	
11.30 – 12.15	Sergio Ferrara (CERN & LNF-INFN)	Supergravity and Cosmology
12.15 – 13.00	Laura Andrianopoli (Politecnico di Torino)	Multi-field Born-Infeld and Supergravity
13.00 – 14.30	<i>Lunch</i>	
14.30 – 15.15	Mario Trigiante (Politecnico di Torino)	New Physics from Maximal Supergravity
15.15 – 16.00	Pietro Antonio Grassi (Università del Piemonte Orientale)	Geometry of Supermanifolds
16.00 – 16.30	<i>Coffee Break</i>	
16.30 – 17.15	Alessandro Tomasiello (Università di Milano Bicocca)	AdS7 solutions and their holographic duals
17.15 – 18.00	Dmitry Sorokin (INFN, Padova)	Brane induced supersymmetry breaking and de Sitter supergravity
18.00 – 18.45	Stefano Bellucci (Laboratori Nazionali di Frascati – INFN)	Brane effects in vacuum currents on AdS spacetime with toroidal compactifications

Friday 27th November

Time	Speaker	Title
9.00 – 9.45	Alexander Filippov (JINR)	A fresh look at general isotropic scalaron cosmology: exact and asymptotic solution, inflationary perturbation theory
9.45 – 10.30	Loriano Bonora (SISSA, Trieste)	Correlators in CFT
10.30 – 11.15	Mikhail Vasiliev (FIAN RAS, Moscow)	Higher Spin Theory and Holography
11.15 – 11.45	<i>Coffee Break</i>	
11.45 – 12.30	Ignatios Antoniadis (A. Einstein Center, U. Bern, Switzerland & LPTHE, CNRS)	Scale hierarchies in particle physics and cosmology
12.30 – 13.15	Valery Rubakov (INR RAS, Moscow)	The Null Energy Condition and its violation
13.15 – 14.30	<i>Lunch</i>	
14.30 – 15.15	Dmitry Fursaev (Dubna State University & JINR)	Massless Cosmic Strings
15.15 – 16.00	Evgeny Ivanov (JINR)	Higher-dimension invariants of $N=(1,1)$, 6D SYM theory from harmonic superspace
16.00 – 16.30	<i>Coffee Break</i>	
16.30 – 17.15	Alexander Belavin (Landau Institute RAS, Chernogolovka)	$N=2$ superconformal symmetry on the world sheet and Space-Time symmetry in 10-dimensional String theory
17.15 – 18.00	Pietro Fré (University of Torino)	Arnold Beltrami Flux Branes
18.00 – 18.45	Sergio's Friends	Remarks and wishes for the 40th jubilee of Supergravity and the 70th Jubilee of Sergio Ferrara ! Continuing to the BANQUET