"Quantum Gravity and Superstrings"

August 28 – September 3, 2000

	Mon 28.08	Tue 29.08	Thu 31.08	Fri 1.09	Sat 2.09
10:00	**Opening** **A. Filippov**	V. Kazakov	E. Ivanov	A. Barvinsky	D. Galtsov
11:00	P. Menotti	D. Vassilevich	S. Krivonos	A. Kamenshchik	E. Prodanov
11:30			B. Zupnik		
12:00	**Coffee break**				
12:30	M. Volkov	S. Gukov	A. Pashnev	D. Fursaev	M. Peloso
13:00			E. Donets		
13.30	**Lunch**				
15:30	K. Elsner	M. Katanaev	B. Barbashov	M. Ivanov	A. Gorsky
16:00	R. Mir-Kasimov			Yu. Shtanov	
16:30	**Coffee break**				
17:00	I. Pirozhenko	O. Zaslavskii	V. Pervushin	S. Alexandrov	
17:30	V. Dyadichev	V. Ivanov	A. Burinskii	S. Mayburov	
	End of session				
		19:00 Banquet			

August 30 will be a free day of the workshop.

JOINT INSTITUTE FOR NUCLEAR RESEARCH
BOGOLIUBOV LABORATORY OF THEORETICAL PHYSICS

International Workshop

Quantum Gravity and Superstrings

Dubna, Russia, August 28 – September 3, 1999

Sponsored by Heisenberg-Landau Program, by the Russian Foundation of Basic Research, by the International Center for Fundamental Physics in Moscow and the UNESCO

List of Talks

August 28, Monday

1. Alexandre Filippov,
   Opening talk
2. Pietro Menotti,
   "Canonical structure of 2+1 dimensional gravity coupled to particles and its quantization".
3. Michael Volkov,
   "Black hole pair creation in de Sitter space: a complete one-loop analysis".
4. Karen Elsner,
   "Non-Commutative Geometry: Calculation of the Standard Model Lagrangian".
5. Rufat Mir-Kasimov,
   "Noncommutative differential geometry and Gelfand-Graev transformation".
6. Irina Pirozhenko,
   "The heat-kernel coefficients and the Casimir energy of the dielectric cylinder"
7. Vladimir Dyadichev,
   "Solitons in non-Abelian Born-Infeld theory coupled to gravity".

August 29, Tuesday

1. Vladimir Kazakov,
   "A matrix model for the two dimensional black hole".

2. Dmitri Vassilevich,
   "Renormalization of the open string sigma model and emergence of D-branes".

3. Sergei Gukov,
   "New two-dimensional dilaton supergravity".

4. Michael Katanaev,
   "Effective action for scalars in two-dimensional gravity".

5. Oleg Zaslavskii,
   "Dilaton gravity and spacetimes with finite curvature at the horizon away from the Hawking temperature".

6. Vasilij Ivanov,
   "Quantization of 2D dilaton-matter gravity on the cylinder"

August 31, Thursday

1. Evgenyi Ivanov,
   "Supersymmetric extensions of Born-Infeld theory from nonlinear realization".

2. Sergej Krivonos,
   "New supermultiplets for partilal breaking of global supersymmetry".

3. Boris Zupnik,
   "Short harmonic-superspace representations of supersymmetric gauge theories".

4. Anatoli Pashnev,
   "AdS spaces and spinning particles".

5. Evgenyi E. Donets,
   TBA.

6. Boris Barbashov,
   "Reparametrization-invariant dynamics of a relativistic string"

7. Viktor Pervushin,
   "Reparametrization-invariant quantum gravity".

8. Alexander Burinskii,
   "New Supersymmetric Bag Model with AdS Interior".

September 1, Friday

1. Andrei Barvinsky,
   "Effective action in brane scenario".
2. Alexander Kamenshchik,
   "The bulk manifolds with black holes and the equations of states on the branes".
3. Dmitrij Fursaev,
   "Black hole thermodynamics, induced gravity, and gravity in brane worlds".
4. Mikhail Ivanov,
   "Gravity in brane world".
5. Yuri Shtanov,
   "Variational principle for branes".
6. Sergei Alexandrov,
   "SO(4,C) covariant Ashtekar-Barbero gravity and the Immirzi parameter".
7. Sergey Mayburov,
   "Quantum space-time in ADM gravity, string gravity and cosmology".

September 2, Saturday

1. Dmitri Galtsov,
   "Black hole singularities and superstings".
2. Emil Prodanov,
   "Standard Cosmology from Sigma Model".
3. Marco Peloso,
   "Cosmologiacal evolution of the RS model".
4. Alexander Gorsky,
   "Brane tunneling and the brane world scenario".