

Department of Theoretical Physics  
University of Vienna



1<sup>st</sup> VIENNA CENTRAL EUROPEAN SEMINAR  
ON PARTICLE PHYSICS AND QUANTUM FIELD THEORY

November 26 - 28, 2004

"ADVANCES IN QUANTUM FIELD THEORY"

**PROGRAM**

Lecture Hall: "Großer Hörsaal des Instituts für Materialphysik"

Boltzmannngasse 5, 3rd floor, 1090 Vienna

**Nov. 27, 2004, Saturday**

09:00 - 09:45	<i>W. Lerche</i> (CERN)	Quantum Geometry of D-branes and Non-perturbative Field Theory
09:50 - 10:10	<i>E. Scheidegger</i> (Vienna)	Non-perturbative Effects in Heterotic String Compactifications
10:15 - 10:35	<i>E. Sharpe</i> (Salt Lake City)	Gauging Noneffective Group Actions and Mirror Symmetry
10:40 - 11:10		<b>COFFEE</b>
11:10 - 11:55	<i>R. Loll</i> (Utrecht)	Four-dimensional Spacetime from Causal Non-perturbative Quantum Gravity
12:00 - 12:20	<i>A. Anisimov</i> (Munich)	Some Issues in the Ghost Condensation Scenario
12:25 - 12:45	<i>E. Regos</i> (Budapest)	Casimir Effect: Running Newton Constant or Cosmological Term
12:50 - 15:20		<b>LUNCH</b>
15:25 - 15:45	<i>D. Grumiller</i> (Leipzig)	BPS-kink and More Global Solutions of the Chern-Simons Supergravity Term
15:50 - 16:30		<b>COFFEE</b>
16:30 - 17:15	<i>M. Dimitrijevic</i> (Munich)	Deformed Bialgebra of Diffeomorphisms
17:20 - 17:40	<i>H. Steinacker</i> (Munich)	Finite Gauge Theory on Fuzzy CP <sup>2</sup>
17:45 - 18:05	<i>R. Wulkenhaar</i> (Leipzig)	Renormalization of Noncommutative $\phi^4$ -theory to All Orders
18:15 - 18:45		<b>DISCUSSION SESSION</b>

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