

Session 14: Mathematical aspects of QFT & string theory

Session conveners:

Ashoke Sen (Allahabada)
Antti Niemi (Uppsala)

Beige Hall

Saturday, July 29, 2006

Session I

14:30 – 16:00

Chair: **Ashoke Sen**

Secretaries: **Andrey Radzhabov**
Grigory Vartanov

14:30-15:00	“Recent progress in Liouville field theory”	A. Zamolodchikov (Montpellier)
15:00-15:20	“Taming the infinities in the nonlinear sigma model”	R. Ferrarii (Milan)
15:20-15:40	“Duality in Supersymmetric Yang-Mills and the Quantum Hall Effect”	B. Dolan (Dublin)
15:40-16:00	“Resummed Quantum Gravity”	B. Ward (Baylor Univ.)

Session II

16:30 – 18:30

Chair: **Antti Niemi**

Secretaries: **Andrey Radzhabov**
Grigory Vartanov

16:30-16:50	“Inherent holography in fuzzy spaces and an N-tropic approach to the cosmological constant problem”	M. Sheikh-Jabbari (Tehran)
16:50-17:10	“Cosmic acceleration from Cubic Superstring Field Theory”	A. Koshelev (Steklov MI)
17:10-17:30	“New concept of relativistic invariance in NC space-time: twisted Poincare symmetry and its implications”	A. Tureanu (Helsinki)
17:30-17:50	“Black Ring Solutions in 5D Heterotic String Theory: a full field configuration”	H.R.M. Falcon (Michoacan)
17:50-18:10	“Axiomatic approach in noncommutative quantum field theory”	Yu. Vernov (INR RAS)
18:10-18:30	“Zero-norm states and High Energy Scattering Amplitudes of Superstring Theory”	J-C. Lee (Hsin-Shu)