

Lunch Seminars and Journal Clubs

CP3 Lunch - Quantized cosmological constant in 1+1 dimensional Dilaton Gravity - Mr. Simone Zonetti

Wednesday 09 November 2011 from **13:00** to **14:00** (Europe/Brussels)
at Cyclotron (1-3rd floor-E.349 - Seminar room (E.349))

Description I will present some work in progress on the Cosmological Constant problem in 1+1 dimensional quantum gravity. By reformulating a subclass of Generalized Dilaton Theories in terms of Liouville field theory, I will show how the cosmological constant can be calculated, inclusive of the quantum fluctuations of the matter and gravitational sectors. Cancellations between different contributions suggest a possible solution of the issue of a divergent cosmological constant in quantum field theory.

Why is cosmology funnier in a 1+1 dimensional universe ...

