Sommerfeld Theory Colloquium

Prof. John Iliopoulos

ENS Paris

Gauge Theories and Non-Commutative Geometry

We shall review the attempts to extend the quantum mechanical property of non-commutativity from phase space to ordinary space. These attempts took a more precise form in the case of gauge theories for which some concrete results have been obtained. In flat space they amount to a reformulation of the theory which looks interesting but they have not given so far any novel physical results. However, the introduction of gravity gives a richer structure and may offer some new insights.

Wednesday, November 8, 2017, 16.15 h, Room 348 / 349, Theresienstr. 37 / III

Prof. Slava Mukhanov