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ΠΑΝΕΠΙΣΤΗΜΙΟ
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ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑ ΦΥΣΙΚΗΣ

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Αίθουσα Α₃₁

Κύκλος σεμιναρίων

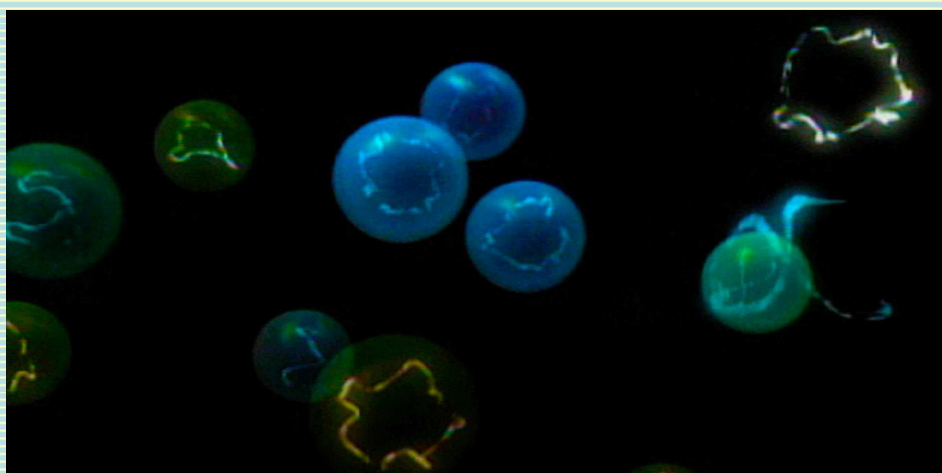


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String Phenomenology and LHC



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In this lecture we will present how in string theory the Standard Model of Fundamental Interactions can be described by open vibrating strings. This description allows for a very intriguing and simple geometrical interpretation that leads to many phenomenological consequences going beyond the Standard Model predictions. More precisely, realistic open string models generically predict among other features new massive gauge bosons (Z's) as well as massive copies of all the Standard Model particles. In low string scale scenarios with a string scale in the TeV range stringy effects might be observable at LHC.

Το προφίλ του ομιλητή



Dr Pascal Anastasopoulos graduated from the Physics Department of Aristotle University in 1997 and obtained his PhD at the University of Crete (Greece) and the Ecole Polytechnique (France), in 2005 under the supervision of Prof. Elias Kiritsis. After postdoctoral appointments in Athens and Rome, he is senior postdoc at Vienna University of Technology. He ranks among the experts in the field of string phenomenology.