

Supersymmetry and String Theories

Wednesday, 12 July 2006 08:30 (1h 45m)

In the first lecture, I will motivate the search for extra space-time symmetries and the emergence of supersymmetry. I will present some technical developments around extensions of Poincaré algebra and discuss their applications. In the second lecture, I will focus on what could stand beyond ordinary relativistic quantum field theory of point-like particles. The technical part of the lecture will be the description of relativistic-string classical dynamics. A discussion on the various facets of string theory and its relevance for high-energy physics and cosmology will follow.

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Session Classification: Wednesday morning