Contribution ID: 21

Type: not specified

AdS/CFT and integrability

Thursday 14 March 2024 11:20 (1 hour)

In my talk I will give an overview of the duality linking the maximally supersymmetric four dimensional gauge theory to superstrings propagating on the product of the five dimensional sphere and the the five dimensional anti de Sitter space. Special emphasis will be put on the integrable description. In particular, I will explain the philosophy of the integrable approach and explain how it actually works. I will give details on how the scaling dimensions of the conformal gauge theory can be calculated.

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Session Classification: Public plenary