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N=(0,2) Heterotic CP(N-1) Sigma models and a Nonrenormalization Theorem

Sunday, 28 August 2011 14:50 (20 minutes)

I will talk about the renormalization of 2 dimensional N=(0,2) heterotic CP(N-1) sigma models. I will discuss the one loop result, and various limiting cases that allow us to extend the analysis to all loop order. An interesting result is a version of D-term nonrenormalization theorem for N=(0,2) linear models, which might shed light on our understanding of the nonrenormalization theorems for generic N=(0,2) theories. This is joint work with M. Shifman.

Presenter: CUI, Xiaoyi (Department of Physics, University of Minnesota)

Session Classification: Parallel Session 2