DOTTORATO DI RICERCA
UNIVERSITÀ DI PISA

DIPARTIMENTO DI FISICA "ENRICO FERMI"

Scuola di Dottorato in Scienze di base "Galileo Galilei"

Ciclo di lezioni per il
CORSO DI DOTTORATO IN FISICA

Dr. Kazunobu Maruyoshi

SISSA – Trieste

"N=2 Gauge Theory, Geometry and 2d/4d correspondence"

Abstract: I give a short lecture on recent developments on N=2 gauge theory in four dimensions. I first review the Seiberg-Witten solution of N=2 gauge theory which describes the low energy effective theory in Coulomb phase. Then, we see its geometric origin from type IIA/M-theory point of view, following Gaiotto's work, which gives us a new interpretation to N=2 gauge theory. Based on these, I explain the S-duality of quiver gauge theories, and the relation between N=2 gauge theories and conformal field theories in two dimensions.

Mercoledi 14 Marzo 2012 ore 11:00
Giovedi 15 Marzo 2012 ore 11:00
Venerdi 16 Marzo 2012 ore 11:00

Aula 248 - I Piano Ed. C

K.Konishi