



DIPARTIMENTO DI FISICA "E.Fermi"
UNIVERSITÀ DI PISA
CORSO DI DOTTORATO IN FISICA
VIA BUONARROTI,2 - Edificio B-C
56127 PISA - ITALY

CORSO DI DOTTORATO IN FISICA

Lunedì 12 gennaio 2004
ore 15:30

Dipartimento di Fisica
Via Buonarroti, 2
Sala Seminari (248) - Ed. C - I piano

Prof. N.Evans
School of Physics and Astronomy
Univ. of Southampton - U.K.

terrà un seminario su:

" QCD-like Gauge Dynamics from a Gravity Dual"

Abstract: I describe an attempt to construct a QCD-like theory with a gravitational dual. A theory with the IR gauge fields of non-supersymmetric Yang Mills theory is constructed by deforming the AdS/CFT Correspondence. The geometry is shown to describe a confined glueball spectrum with a mass gap.

I then discuss the addition of quarks by the inclusion of D7 brane probes. In a simple deformed geometry we show that chiral symmetry breaking and a massless pion are predicted.