



PHYSICS AND ASTRONOMY SEMINAR

Dr. Peter Koroteev

University of Minnesota

“On 2d/4d Correspondence”

Abstract

About a decade ago a close relationship between supersymmetric gauge theories in four dimensions with eight supercharges and two dimensional gauge linear sigma models has been found and it has been extensively studied until now. In most of cases the duality is spread over the BPS sector of both types of theories, however, sometimes one can go beyond. Some review of the 4d/2d correspondence will be given and new developments will be outlined including heterotic deformations and use of omega background.

Tuesday, December 06, 2011
3:00 p.m.
Elliott Building
Room 162