

C. Burgess: "Fibre Inflation and Tensor Perturbations in Type IIB Vacua"

Friday, 15 August 2008 10:00 (30 minutes)

The talk presents an inflationary model of inflation in Type IIB string vacua, wherein the inflaton is a Kahler modulus of a K3 fibration Calabi Yau. It arises within the large-volume framework and so is closely related to Kahler modulus inflation models, and shares with these the property that the slow roll is not achieved by tuning parameters in the potential. But unlike the Kahler modulus models it appears to allow the possibility of obtaining observably large primordial tensor fluctuations.

Primary author: BURGESS, Clifford (High Energy Physics Group - McGill University)

Track Classification: W4