

### Area Seminar

Title Generalized Higgs Inflation Model

Date and Time 08/08/2014 16:00:00

Speaker Girish Kumar Chakravarty

Speaker PRL

Area Theoretical Physics

Venue Room No. 469

Abstract In this talk I shall briefly discuss about scalar-curvature coupled Higgs-inflation model  $\propto \phi^2 R$  and the problems in this model in establishing Higgs as the Inflaton which drives the inflation and how could we overcome these by generalizing such a model to  $\propto \phi^a R^b$ . We shall also discuss about the equivalence of the Jordan and Einstein frames using our obtained results.