

### Area Seminar

Title Hawking Radiation and BICEP2

Date and Time 01/05/2014 16:00:00

Speaker Prof. Subhendra Mohanty

PRL

Area Theoretical Physics

Venue Room No. 469

Abstract I will summarise the recent result of gravitational wave observation by BICEP2 and its implications for cosmology. I will also survey the notion of Hawking Radiation (HR) and give examples of HR in different physical settings. Finally I will argue that the BICEP2 observations may be seeing a signature of Hawking temperature of the de-Sitter space at the time of Inflation.