

## Area Seminar

Title Non standard spinors in inflation and dark energy

Date and Time 10/05/2012 16:00:00

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Area Theoretical Physics

Venue Room No. 469

Abstract There are very compelling reasons to believe that our universe might have undergone the phase of accelerated expansion twice in its history. The first phase of accelerated expansion was at a very early time which is called inflation and second phase started recently at around redshift  $z=1$ . Dark energy can be behind the late time acceleration. Inflation and dark energy can give us the theoretical understanding of the observation. However the exact nature of inflation and dark energy is not fully understood. There exists several models of inflation and dark energy. Among them time varying scalar field model is extensively studied. In this seminar I will talk about the possibilities of non standard spinors as a candidate of inflation and dark energy.