

# Theoretical Physics Seminar

## **PLANCK vs LSS : Tension and solutions**

**Speaker:** Dr. Arindam Mazumdar

**From:** Physical research laboratory, Ahmedabad

**When:** October 18<sup>th</sup> 2017, 4:00 pm

**Place:** Room No. 469

Primordial perturbations generated at the time of Inflation is expected to produce the fluctuations in CMB as well as the large scale structures(LSS) of the universe. Standard LambdaCDM theory is expected to describe these CMB observations and LSS observations under a single theoretical framework. However, some recent observations have pointed out some tensions between these two types of observations under LambdaCDM theory. In this talk I will cover some earlier attempts to resolve these tensions. Then I will describe our attempt with viscous cold dark matter to resolve the problem.

**All are welcome**