

# **Colloquium**

## **Pairing in cuprates: Signatures of a non-BCS paradigm**

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In this talk, I will review of well-known Bardeen Cooper Schrieffer (BCS) theory. I will discuss this in the context of copper-oxide based high-temperature superconductors. I will present some of my results based on experimental data, which indicate a non-BCS pairing mechanism. I will discuss the limitations of BCS theory, and a possible mechanism of pairing in cuprates.

***Monday, Nov 13<sup>th</sup> 2017***

***04:00 PM (Tea/Coffee at 03:30 PM)***

***Auditorium, TIFR-H***