



INTERNATIONAL  
CENTRE *for*  
THEORETICAL  
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## ICTS String Seminar

**Title** : Revisiting Logarithmic corrections to BPS Black Entropy in four and five dimensions

**Speaker** : Anupam A H, (ICTS-TIFR, Bengaluru)

**Date** : Friday, 18<sup>th</sup> August 2023

**Time** : 2:00 PM (IST)

**Abstract** : In this talk, we will compute the logarithmic corrections to four and five dimensional BPS black hole entropy using a particular finite temperature black hole geometry and find agreement with the microscopic and macroscopic computations based on zero temperature near horizon geometry. We also reproduce the Bekestein Hawking entropy for zero temperature black holes using the same procedure. This is mainly based on 2308.00038 and 2306.07322.

**Venue** : Chern Lecture Hall & Online

Zoom link: <https://icts-res-in.zoom.us/j/84639315425?pwd=TnVlemlhFYXZPTeOZzlkUW1hYXVEUT09>

Meeting ID: 846 3931 5425

Passcode: 171718