



ICTS

INTERNATIONAL  
CENTRE *for*  
THEORETICAL  
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## **ICTS-String Theory Seminar**

- Title : Aretakis and ERS instabilities
- Speaker : Amitabh Virmani, Chennai Mathematical Institute, India
- Date : Thursday, August 29, 2019
- Time : 4:15 PM
- Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore
- Abstract : In this talk, I will first review the Aretakis instability of extremal black holes. Then I will review the Eperon, Reall, Santos non-linear instability of SUSY fuzzballs. Through these discussions, I will highlight the differences between decay behavior of linear fields on SUSY fuzzballs and SUSY black holes. Finally, I will argue that D1-D5 CFT offers a picture that can help reconcile these diverging ideas.