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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## **ICTS Astrophysics & Relativity Seminar (HYBRID)**

**Title** : Munching to be Seen: Different Angles on Accreting Supermassive Black Holes

**Speaker** : Prajval Shastri (RRI Bengaluru)

**Date** : Wednesday, 27<sup>th</sup> September, 2023

**Time** : 11:00 AM

**Abstract** : Cosmic supermassive black holes are the heftiest things we know. They appear to inhabit the centres of most galaxies and co-evolve with them, thus playing a significant role in regulating galaxy assembly. We are able to spot these black holes when they accrete matter, which is also what causes them to impact their environments out to spatial scales that are well beyond their gravitational sphere of influence. In this talk I will discuss the understanding that has emerged from investigating the systematics of accreting supermassive black holes, and the headway that has been made in explaining the range of phenomena around them that we see.

**Venue** : **Offline:** Madhava Lecture Hall (ICTS)

**Online:** Please click the below link to join the seminar

<https://icts-res-in.zoom.us/j/81453767207?pwd=02z0vtSAtvylOsdYypsirE8fDEbXAo.1>

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