



ICTS Astrophysics & Relativity Seminar (HYBRID)

Title : Magnetic Instabilities and Dynamics in Compact Stars

Speaker : Prasanta Bera (Open University of Israel)

Date : Thursday, 05th October, 2023

Time : 03:30 PM (IST)

Abstract : Compact stars are the dense, final stage of normal stars. Due to their small size and large mass, compact stars have a strong gravitational pull. They can also rotate very quickly and have powerful magnetic fields. These extreme properties allow compact stars to emit high-energy radiation. Finding the stable structure of a compact star with a strong magnetic field and rotation is a difficult task. This talk will discuss the numerical methods used to model compact stars and the astrophysical importance of these models.

Venue : **Offline:** Emmy Noether Seminar Room (ICTS)

Online: Please click the below link to join the seminar

<https://icts-res-in.zoom.us/j/82882003877?pwd=IUw5evOKAYvwj3XHWQ2bKCou8mzsB3.1>