

DEPARTMENT OF PHYSICS
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PHS/ 6792/PHS

Dated: 01.10.2025

Lecture Notice

Title: Probing Dark Matter via Neutron Stars

Date: 5th October , 2026 (Monday)

Time: 3:00 P.M.

Venue: Ground Floor, Seminar Room

Speaker: Dr. Sakshi Gautam, Deptt. of Physics, P.U., Chandigarh.

Abstract: This talk explains how neutron stars, the extremely dense leftovers of exploded massive stars, can help us learn about dark matter. Because they are so dense, neutron stars can capture dark matter, and even a small amount changes their size and mass in ways we can measure. Comparing models with observations shows that dark matter can make up at most about 10% of a neutron star, but its exact type is still unknown.

All are cordially invited to join this Lecture.

A blue ink signature of the Chairperson, written in a cursive style.

Chairperson