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DEPARTMENT SEMINAR NOTICE

SPEAKER: Dr. Amandeep Kaur
Woman Scientist, WISE-PDF,
Department of Physics,
Panjab University, Chandigarh

TITLE: Theoretical Studies of Reaction Dynamics at Near-Barrier Energies in Nuclear Systems

DATE & DAY: 22 Jan, 2026 (Thursday)

VENUE: Seminar Hall

TIME: 4.00 P.M.

Abstract: This seminar presents a theoretical overview of reaction dynamics in low-energy nuclear systems with emphasis on fusion and decay processes near the Coulomb barrier. It is intended for M.Sc. students, early Ph.D. scholars, and young researchers seeking a clear conceptual understanding of how the basic nuclear properties, interaction potentials and nuclear structure influence the reaction outcomes. The seminar offers a unified theoretical perspective that connects fusion and decay mechanisms across different reaction systems, highlighting the relevance of contemporary modelling approaches and their role in advancing current nuclear physics research.

All faculty members, research scholars, and students are cordially invited.

Chairperson

