



## ICTS Statistical Physics and Condensed Matter Seminar

**Title** : Odd viscosity via shear response of chiral films

**Speaker** : Brato Chakrabarti (ICTS-TIFR, Bengaluru)

**Date** : Wednesday, 04 March 2026

**Time** : 11:30 AM (IST)

**Abstract** : I will discuss how odd (or hall) viscosity arises from fluid-structure interaction in chiral thin films. As a background, I will first outline Einstein's viscosity correction in suspension of spheres, then talk about the rheology of rod-suspensions. Building on this, I will outline how odd viscosity emerges in thin films with spinning particles and how the coefficient can shear thicken.

**Venue** : Emmy Noether Seminar Room