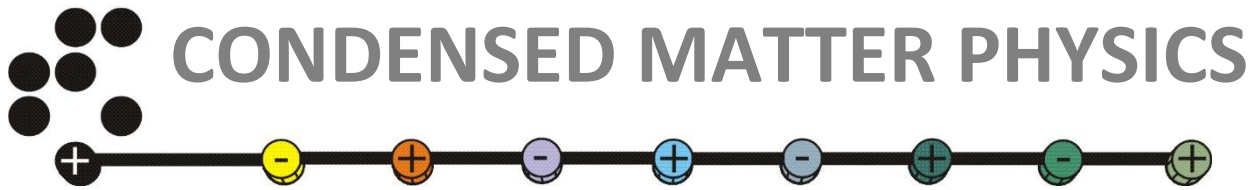


F-5 SEMINAR



***Friday, October 21, 2022
at 10:30 AM***

*in the seminar room of physics (room 106)
Condensed Matter Physics, Józef Stefan Institute*

Dorota Dardas, PhD

*Institute of Molecular Physics, Polish Academy of Sciences,
Poznań, Poland*

Electrooptical and viscoelastic properties in chiral liquid crystals

Knowledge of viscoelastic properties in chiral liquid crystals is a complex and fundamental issue. The main problem is the multitude of physical parameters that needed to determine the value of elasticity and viscosity constants. There are experimental methods for measuring viscoelasticity constants which exploit various phenomena for deformation detection. Commonly in measurements a strong external electric or magnetic field is applied. The viscoelastic behaviours obtained in measurements using a low electric field will be demonstrated. The observation have been also realized before and after photobleaching with a polarizing microscope, simultaneously using the method of numerical analysis of two-dimensional coloured textures.

You are cordially invited to attend.