COLLOQUIUM FÉDÉRATION FRIEDEL JACQUINOT

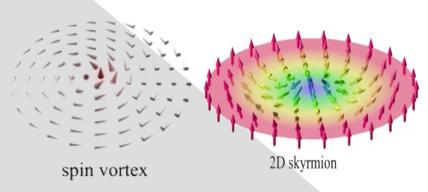


Grand Amphithéâtre de l'Institut Pascal

16h00 : séminaire de John M. KOSTERLITZ

17h00 : cocktail apéritif

A Random Walk to the Nobel Prize «Topological Defects and Phase Transitions»



Examples of topological defects (adapted from Volovik et al 2018)

This talk reviews some of the applications of topology and topological defects in phase transitions in two-dimensional systems for which Kosterlitz and Thouless split half the 2016 Physics Nobel Prize. The theoretical predictions and experimental verification in two dimensional superfluids, superconductors and crystals will be reviewed because they provide very convincing quantitative agreement with topological defect theories.

