



PHYSICS AND ASTRONOMY SEMINAR

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“Broken Translations and Momentum Relaxation: An approach from hydrodynamics and holography”

Abstract

“We study the physics of systems with broken translational invariance. The spontaneous breaking of a continuous symmetry leads to the appearance of extra gapless degrees of freedom, the Nambu-Goldstone bosons. We work out a hydrodynamic formulation and match the dispersion relations to results from holography. Surprisingly, we find a disagreement between the hydrodynamic predictions and the results from holography.”

Wednesday, October 23, 2019

3:00 p.m.

ELL Building – Room 162