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Chiral magnetohydrodynamics, Holography and EFT

Wednesday, 15 March 2023 10:20 (20 minutes)

In this talk, we will discuss QED at finite temperature from a hydrodynamic viewpoint. In the first part of the talk, we will discuss a holographic model which has the same 1-form symmetry structure as that of QED. In the second part of the talk, we will discuss an effective field theory which will be in the same universality class as that of QED at finite temperature. We shall also briefly touch upon how this EFT would lead to known QED phenomenology.

Presenter: DAS, Arpit (Durham University)

Session Classification: Holography for chiral effects - II