

Anomaly matching in QCD thermal phase transition

Friday, 6 December 2019 10:30 (40 minutes)

I will talk about a nonperturbative constraint on QCD thermal phase transition. First, I discuss a rigorous constraint from 't Hooft anomaly matching when the quarks are massless and we introduce an imaginary baryon chemical potential at the Roberge-Weiss point. Then, I discuss the reason why I think the constraint is also relevant for the QCD phase transition without any imaginary chemical potential and with realistic quark masses.

Presenter: Prof. YONEKURA, Kazuya

Session Classification: Invited talks