

Anomaly matching in QCD thermal phase transition

Friday, December 6, 2019 10:30 AM (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.

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Session Classification: Invited talks