

Holographic QCD at finite temperature: Instantons and chiral symmetry restoration

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I argue the applications of our holographic model for the deconfinement phase in YM theory, which G. Mandal will explain in this conference, to instanton and Sakai-Sugimoto model. About instanton, our model reveals several new properties of instantons. Particularly the topology of the stable instanton may differ from the small instanton which we can treat via perturbative QCD. About Sakai-Sugimoto model, I demonstrate how the chiral symmetry restoration realizes at finite temperature.

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