عنوان مقاله:

Holographic RG flow triggered by gluon condensate

نویسنده:

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خلاصه مقاله:

By applying the holographic method, we study a non-perturbative renormalization group (RG) flow triggered by a gluon condensate. After introducing a bulk scalar field in an AdS space related to the gluon condensate, we investigate the trace anomaly proportional to the gluon condensate. The holographic calculation reproduces the one-loop trace anomaly known in the lattice QCD. We also show that higher loop corrections give rise to additional contributions and modify the one-loop trace anomaly.

کلمات کلیدی:

Holography, Renormalization group flow, Gluon condensate

لینک ثابت مقاله در پایگاه سیویلیکا:

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