

Universal scaling close to chiral limit of QCD

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Chiral phase transition has been a topic of interest over decades and order of the chiral phase transition has an effect on the global phase diagram of QCD. In this talk I will review some of our recent calculations towards the limit of 2 massless flavors. I shall start with the determination of the chiral transition temperature and then show how our calculation is able to throw some light on the long standing debate about the order of the chiral phase transition. I shall also show that the gluonic observables and conserved charge fluctuations towards the chiral limit, can be well described by the scaling behavior of an energy like observable w.r.t. chiral symmetry.

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