Contribution ID: **215** Type: **not specified**

Chiral transition using the Banks-Casher relation

Thursday, 26 July 2018 11:40 (20 minutes)

We investigate the properties of the finite-temperature QCD transition towards the chiral limit using staggered quarks. Starting from the 2+1 flavor physical point, the limit of massless quarks is approached along two different trajectories in the Columbia-plot. Unlike in previous approaches, the chiral condensate is determined via the Banks-Casher relation. The first results of our finite size scaling analysis are presented.

Primary author: Dr ENDRODI, Gergely (Goethe University Frankfurt)

Co-author: Mr GONGLACH, Lukas (Goethe University Frankfurt)

Presenter: Dr ENDRODI, Gergely (Goethe University Frankfurt)

Session Classification: Nonzero Temperature and Density

Track Classification: Nonzero Temperature and Density