Contribution ID: **5** Type: **Poster**

Thermodynamic properties of QGP at the physical point with the gradient flow method.

Monday, 24 June 2019 17:00 (20 minutes)

We study thermodynamic properties of 2+1 flavor QCD on the lattice applying the method of Makino and Suzuki based on the gradient flow, using a nonperturbatively $O(a)$-improved Wilson quark action and the renormalization group-improved Iwasaki gauge action. I report on results of the energy momentum tensor and chiral condensate obtained so far from our on-going simulations at the physical point.

Primary author: Prof. KANAYA, Kazuyuki (Tomonaga Center for the History of the Universe, University of Tsukuba)

Presenter: Prof. KANAYA, Kazuyuki (Tomonaga Center for the History of the Universe, University of Tsukuba)

Session Classification: Poster session