



Contribution ID: 8

Type: **Talk**

Inverse Magnetic Catalysis in Nambu–Jona-Lasinio Model beyond Mean Field

Monday, 30 May 2016 14:30 (30 minutes)

We study inverse magnetic catalysis in the Nambu–Jona-Lasinio model beyond mean field approximation. The feed-down from mesons to quarks is embedded in an effective coupling constant at finite temperature and magnetic field. While the magnetic catalysis is still the dominant effect at low temperature, the meson dressed quark mass drops down with increasing magnetic field at high temperature due to the dimension reduction of the Goldstone mode in the Pauli-Villars regularization scheme.

Primary author: MAO, Shijun (Xian Jiaotong University)

Presenter: MAO, Shijun (Xian Jiaotong University)

Session Classification: Parallel session 2