



Contribution ID: 21

Type: **not specified**

## Phase diagram of the SU(3) flavor NJL with eight quark interactions

*Friday, May 11, 2012 11:00 AM (30 minutes)*

The topic I would like to present is the effect of chiral multiquark interactions (with emphasis on the new eight quark terms) on the temperature versus baryonic chemical potential phase diagram of this extended Nambu Jona Lasinio model of QCD. The talk is mainly based on the works:

The Phase diagram for the Nambu-Jona-Lasinio model with 't Hooft and eight-quark interactions.

B. Hiller, J. Moreira, A.A. Osipov, A.H.

Phys.Rev. D81 (2010) 116005

and

Polyakov-NJL model with eight quark interactions.

A.H. Blin, J. Moreira, A.A. Osipov, B. Hiller (Coimbra U.). arXiv:1110.3663. Oct 2011. 3 pp.

e-Print: arXiv:1110.3663 [hep-ph], to appear in the proceedings ISMD 2011.

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