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## Curvature of the chiral critical line in the $T$ - $\mu$ plane

*Tuesday, 15 June 2010 18:00 (5 minutes)*

We discuss the universal properties of the QCD chiral transition for both zero and small but non-zero chemical potential. We outline how those universal properties can be used to extract the curvature of the line of chiral transitions in the  $T$ - $\mu$  plane for small chemical potential. We present evidence of these universal properties and result for this curvature obtained using lattice simulations with improved staggered fermions.

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Talk

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**Session Classification:** Poster session

**Track Classification:** Nonzero temperature and density