

## The QCD phase diagram at finite density

**Presenter: Christian Schmidt**

*C. Schmidt, Z. Fodor, S. Katz*

Abstract: Using a combination of the multiparameter reweighting method and the density of states method, we explore the phase diagram of the chiral transition on the temperature and quark chemical potential plane. Four quark flavours are used in the analysis. Though the method is quite expensive small lattices show an indication for a triple-point connecting three different phases on the phase diagram.