



Contribution ID: 90

Type: **Poster**

## Density fluctuations at the QCD phase transition

*Thursday, August 16, 2012 4:00 PM (2 hours)*

We study the nonequilibrium dynamics of a quark fluid coupled to a sigma field and a Polyakov loop near the QCD phase boundary. As the system evolves through the first order transition line, baryon density fluctuations are enhanced in comparison with an evolution through the crossover or the critical point.

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**Session Classification:** Poster Session Reception

**Track Classification:** Exploring the QCD phase diagram