

Workshop for young scientists with research interests focused on physics at  
FAIR



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## Theory Challenges for CBM

*Tuesday, September 23, 2014 9:15 AM (45 minutes)*

I will discuss challenges and open questions for the theoretical description of systems created at the CBM experiment at FAIR.

In particular I will focus on issues for hadronic bulk observables which can be addressed by transport models.

Of particular interest is the possible phase transition of QCD expected to occur at the FAIR beam energy range. I will discuss what progress has been made and still needs to be done, regarding transport models and effective equations of state, to formulate clear signals for the observation of this phase transition.

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**Session Classification:** Talks