



**UNIVERSITÄT
BIELEFELD**

Fakultät für Physik

Kolloquium Physik / TR211

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Continuing to finite density –
the QCD phase diagram with Lattice QCD

The QCD phase diagram is an important ingredient to understand both the development of the early universe and the results of recent heavy ion collision experiments. At zero baryon density lattice QCD is the established tool, that provides precise theoretical results. However, to explore the phase diagram at non-zero density new techniques are required to deal with the infamous sign problem. In this talk, I will take you along on our journey investigating the area around the QCD transition away from the zero density axis.

Monday, January 31, 2022, 4:15 p.m.

via zoom