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Hamiltonian Lattice QCD from Strong Coupling Expansion

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We present generalizations of Hamiltonian Lattice QCD as derived from the continuous time limit of strong coupling lattice QCD: we discuss the flavor dependence and the effect of gauge corrections. This formalism is applied at finite temperature and baryon density and allows both for analytic and numeric investigations that are sign problem-free.

Primary author: UNGER, Wolfgang (Universität Bielefeld)
Co-author: PATTANAIK, Pratitee (Bielefeld University)
Presenter: UNGER, Wolfgang (Universität Bielefeld)
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