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Hamiltonian approach to QCD in Coulomb gauge at finite temperatures

Friday 3 August 2018 14:00 (30 minutes)

I will review recent results obtained within the Hamiltonian approach to QCD in Coulomb gauge. The focus will be on the quark sector at finite temperatures. The temperature is introduced by compactifying a spatial dimension. The quark gap equation is solved numerically at finite temperatures. I will also report on preliminary studies of the effective potential of the Polyakov loop at 2-loop level.

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