

# COST Workshop on Interplay of hard and soft QCD probes for collectivity in heavy-ion collisions

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## QGP from the quantum ground-state of QCD?

*Thursday, 28 February 2019 14:55 (25 minutes)*

In this talk, I will elaborate on a semi-classical Hamiltonian approach to describe the QGP production mechanism in real time based upon the existence of a homogeneous initial state being a non-trivial QCD ground-state. An effect ala parametric resonance leading to a decay of the homogeneous gluon condensate into inhomogeneous gluon plasma is thought to be a possible driver of QGP production in QCD.

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