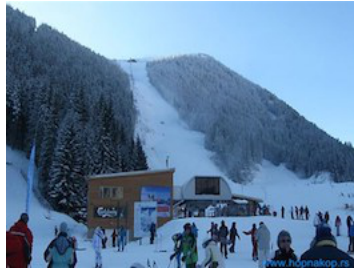


Excited QCD 2018



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QCD phase diagram from the lattice

Tuesday 13 March 2018 16:30 (30 minutes)

We present a phase diagram for SU(3) lattice gauge theory with 695 MeV dynamical staggered fermions, obtained from effective Polyakov line actions. The derivation is via the method of relative weights and the effective theories are solved at finite chemical potential by mean field theory. We find a phase transition line in the plane of temperature and chemical potential and compare it to analytical results.

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Session Classification: Talks - Tue, Afternoon, 1st session