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## Effective Polyakov-loop theory for pure Yang-Mills from strong coupling expansion: numerical aspects and conclusions

*Tuesday, 15 June 2010 11:30 (20 minutes)*

Within the Polyakov-loop effective theory for pure Yang-Mills obtained from a strong coupling expansion (as presented in Dr. Langelage's talk), a single simulation on a 3D system yields, in principle, a whole array of critical couplings for the full theory, at all values of  $N_f$ . Here we present the Monte Carlo details and the practical aspects of such approach, its results, and we discuss possible further improvements and extensions of the model.

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Talk

**Primary author:** LOTTINI, Stefano (Goethe-Universitaet, Frankfurt am Main)

**Co-authors:** Dr LANGELAGE, Jens (Universitaet Bielefeld); Prof. PHILIPSEN, Owe (Goethe-Universitaet, Frankfurt am Main)

**Presenter:** LOTTINI, Stefano (Goethe-Universitaet, Frankfurt am Main)

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