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Thermodynamics of $SU(N)$ gauge theories in $2 + 1$ dimensions in the $T < T_c$ regime.

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We present Monte Carlo results for the thermodynamics of pure $SU(N)$ gauge theories ($N = 2, \dots, 6$) in $2 + 1$ dimensions. We focused on the confined phase region ($T < T_c$) and discuss scaling properties with N . We also compare our results with a glueballs gas and the bosonic string predictions for the Hagedorn spectrum.

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talk

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