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Critical behavior and continuum scaling of 3D Z(N) lattice gauge theories

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Three-dimensional Z(N) lattice gauge theories are studied numerically
at finite temperature for N = 5, 6, 8, 12, 13, 20 and for N_t=2,4,8.
For each model the location of phase transitions and their critical
indices are determined. The scaling of critical points with N is proposed.
The data obtained enable us to verify the scaling near the continuum limit
for the Z(N) models at finite temperatures.

Primary authors: PAPA, Alessandro (Universita' della Calabria & INFN-Cosenza); GRAVINA, Mario (Universita' della Calabria & INFN-Cosenza); BORISENKO, Oleg (Bogolyubov Institute for Theoretical Physics - Kiev); CHELNOKOV, Volodymyr (Bogolyubov Institute for Theoretical Physics - Kiev)

Presenter: PAPA, Alessandro (Universita' della Calabria & INFN-Cosenza)

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