

# What can we learn from simulations of QCD-like theories (which have no sign problem)?

Victor Braguta, Lorenz Von Smekal

JINR, Dubna

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## Questions for the discussion

- Are the finite-density effects/observables studied in QCD-like theories relevant for dense QCD matter?
- Can QCD-like theories provide useful tests of effective lattice theories (strong coupling, heavy quarks)?
- Can simulations of QCD-like theories guide functional methods to devise reliable truncations and tests?
- Can they be used to understand deconfinement?
- Can they be used to study/observe exotic phases?
- Can they be used for the diagnostics of sign problems?
- Are they useful for reweighting and generalized density-of-states methods?
- What other questions can be studied?