

Contribution ID: 61 Type: Talk

Finite-temperature Sp(4) Yang-Mills theory: towards the continuum

Thursday 6 November 2025 15:10 (20 minutes)

We present new results for Sp(4) Yang-Mills theory around its first-order thermal phase transition by reconstructing the density of states via the LLR algorithm. We show results on different space and time extents, as well as aspect ratios, and estimate discretization artifacts. We see clear signatures of the first-order transition and determine the critical coupling, the specific heat and set bounds on the surface tension.

Parallel Session (for talks only)

Theoretical developments and applications beyond Standard Model

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