



Contribution ID: 26

Type: Poster

## Deconfinement in $Sp(4)$ gauge theory

Thursday, December 14, 2023 8:30 PM (20 minutes)

In this contribution I will discuss how lattice simulations can be used to determine thermodynamic properties of physics beyond the standard model. Using the density of states method I analyse deconfinement in  $Sp(4)$  pure Yang-Mills theory and demonstrate it's first order nature through the characteristic swallow-tail structure in the free-energy.

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Lattice QCD

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N/A (Poster Presentation)

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**Session Classification:** Poster Session & Dinner