



Contribution ID: 329

Type: **Talk**

Sign problem in heavy-dense QCD from a density-of-states perspective

Tuesday, July 26, 2016 2:40 PM (20 minutes)

We investigate QCD at finite densities of heavy quarks from a density-of-state perspective. Using the LLR approach, we can compute the phase-factor expectation value in the strong sign problem regime with unprecedented precision due to its inherent exponential error suppression.

We use our findings to draw conclusions on the approach using phase cumulants.

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Session Classification: Nonzero Temperature and Density

Track Classification: Nonzero Temperature and Density