Abstract Submitted
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**Signature of the QCD Critical Point from a Holographic Approach** ISRAEL PORTILLO, Univ of Houston — We employ the equation of state with critical behavior obtained from the holographic model studied in [1] to compute higher-order susceptibilities of baryon number. We relate our susceptibilities to the moments of the distribution of net-protons measured in heavy-ion collision and discuss possible signatures of the critical point. In particular, we study the non-monotonic behavior of the kurtosis as the freeze-out trajectories move closer to the critical point.

## References

[1] Phys.Rev.D 96 (2017) 9, 096026.

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