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## Fluctuations of charges at the phase boundary

*Monday, 30 May 2016 12:30 (30 minutes)*

In this talk, I will first summarize the critical behavior of fluctuations of conserved charges expected in the vicinity of the chiral phase boundary. Then, I will show how the finite quark mass or finite volume modifies the divergent cumulants in QCD-like model calculations. Particular emphasis will be put on the importance of the regular contribution to the fluctuations when the singular part contribution is smeared. I will show that the electric charge fluctuations can have non-trivial effects by imposing momentum cuts even in the absence of the criticality.

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