

FINITE VOLUME EFFECTS ON THE QCD PHASE DIAGRAM: IMPORTANCE OF THE VACUUM SIZE

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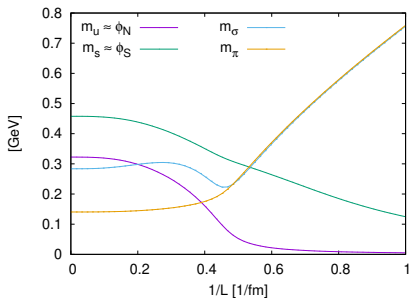
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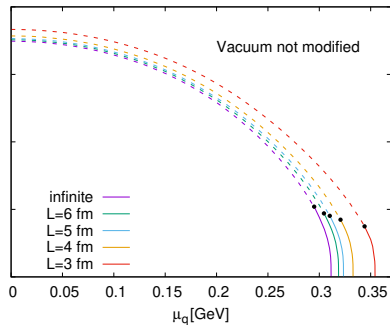
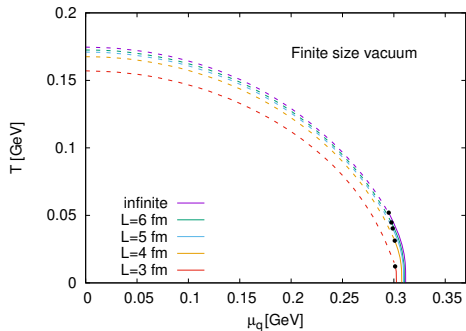


The volume dependence of the phase diagram was studied in an (axial-)vector meson extended Polyakov quark-meson model via a low momentum cutoff.

- Restriction in momentum space
= low momentum cutoff
- Applied to the fermion integrals
- Modification of vacuum contribution
⇒ change of phys. quantities
- Modification of thermal contribution



VOLUME DEPENDENCE OF THE PHASE DIAGRAM



For more details and further results find me in the poster section.