

Problem set 3 – Quark Gluon Plasma Physics – SS 2023

Discussion in the lecture: Friday May 12

3.1 Equation of state from lattice QCD

Inspecting the equation of state from lattice QCD shown in the lecture (H.T. Ding, arXiv:1504.05274)

- a) compare the energy density at the critical temperature T_c with the energy density of normal nuclear matter.
- b) what is the pressure at this temperature in Pascal?
- c) can you understand the black line labeled as non-int. limit?