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EOS in 2+1 flavor QCD with improved Wilson quarks by the fixed scale approach

Monday, 14 June 2010 17:00 (20 minutes)

Status of our study on the equation of state in 2+1 flavor QCD will be presented. We apply the T-integration method to calculate the EOS in the fixed scale approach nonperturbatively. The calculations are performed with the same parameters as the CP-PACS/JLQCD spectrum study, in which the non-perturbatively improved Wilson quarks coupled with the RG improved glue are adopted. We discuss the results in 2+1 QCD by comparing with the results in quenched QCD at fixed scale.

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talk

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