## Deconfinement and Equation of State in QCD

Thursday, 8 October 2015 09:00 (25 minutes)

I will review the current status of equation of state calculations and deconfinement transition in 2+1 flavor QCD obtained using lattice calculations. I will discuss aspects of deconfinement related to fluctuations of conserved charges and screening of color charges in the deconfined medium using expectation value of Polyakov loop and Polyakov loop correlators.

Primary author: PETRECZKY, Peter (BNL)

**Presenter:** PETRECZKY, Peter (BNL)

 $\textbf{Session Classification:} \ \ \textbf{Status of QCD}$ 

Track Classification: Status of QCD