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A study on Quark-Gluon plasma equation of state using with finite quark mass

We study the QGP equation of state using finite quark mass with the finite size effect by taking into account of Multiple Reflection Expansion (MRE). The quark mass improves the calculation of free energy in the formation of QGP droplet. Finally, the model results provide QGP equation of state that matches well with the lattice results.

Summary

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