

TSF19-2019-000006

Abstract for an Invited Paper
for the TSF19 Meeting of
the American Physical Society

Properties of strongly interacting matter from first principles¹

CLAUDIA RATTI, University of Houston, Physics Department

In this talk I will review the status of lattice QCD simulations of strongly interacting matter at zero and finite density, and connect them to measurements from heavy ion collision experiments. I will also discuss ways to push our investigations to larger baryon densities, to support the forthcoming experimental program at Brookhaven National Laboratory.

¹NSF PHY-1654219; DOE BEST Collaboration