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Heavy Ion Collisions

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editor

Dear Colleagues,

The main goal of heavy ion collisions is to study the physics of strongly interacting matter at the highest energy densities that have been reached so far in the laboratory. In such a condition, an extreme phase of matter—called the quark-gluon plasma—is formed. Our universe is thought to have been in such a primordial state for the first few millionths of a second after the Big Bang. The properties of such a phase are key issues for quantum chromodynamics, the understanding of confinement–deconfinement, and chiral phase transitions.

In contrast to the expectations that the QGP would have properties similar to the almost ideal, weakly coupled gas of quarks and gluons, the experimental results from the Relativistic Heavy Ion Collider (RHIC) have shown that a hot, strongly interacting, nearly perfect, and almost opaque liquid was produced in central Au–Au collisions at the greatest RHIC energy.

For further information, please visit mdpi.com/si/23157.

Prof. Dr. Maria Vasileiou
Guest Editor

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Message from the Editor-in-Chief

The multidisciplinary *Universe* journal is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

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