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Heavy-Ions

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Message from the Guest Editor

The results of nearly three decades of studying relativistic heavy-ion collisions and, in particular, the decade associated with the use of the largest collectors—LHC at CERN and RHIC at BNL—have led to the creation of a new state of matter, the so-called quark degrees of freedom, or the smallest, yet indivisible components of matter. However, the results obtained so far concern conditions for high temperature and low baryon density values, when the proportions of baryons and anti-baryons are almost identical. With smaller collision energies of elementary particles and heavy ions, it is possible to explore the properties of matter with a lower temperature and higher baryon density values. Today, it is exciting to explore the QCD phase diagram in so far unexplored regions relevant to one of the hottest recent topics related to the phase transition between hadron gas and quark-gluon plasma and the critical point.



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Special Issue



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Editor-in-Chief

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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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