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Relativistic Heavy Ion Collision

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Deadline for manuscript submissions:

closed (30 December 2023)

Message from the Guest Editor

The RHIC and LHC experimental data on heavy ion collisions have obtained evidence of the existence of a fluid of strong interacting quarks and gluons. The required early thermalization is due to final state interactions or there are another possible mechanisms? What is the order of the different harmonics for different size colliding objects and therefore what kind of interaction produces the anisotropy? How are arranged the color fields stretched between the partons of the colliding particles when the number of collisions becomes very large? Are there repulsion between these color conductors? Why is there a suppression of the near side baryon-baryon correlations? At what temperature is expected that the strong quark gluon matter starts to be free? On the other hand, some questions related to the phase transition diagram are necessary to study further. The study of these and other related topics are the goal of this special issue, [...]

For further reading, please follow the link to the Special Issue Website.



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Special Issue



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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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