

Special Issue

Relativistic Heavy Ion Collision

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.

Guest Editor

Prof. Dr. Carlos Pajares

Departamento de Fisica de Particulas, Universidale de Santiago de Compostela and Instituto Galego de Fisica de Altas Enerxias(IGFAE), 15782 Santiago, Spain

Deadline for manuscript submissions

closed (30 December 2023)



Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



mdpi.com/si/147993

Universe
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
universe@mdpi.com

[mdpi.com/journal/
universe](https://mdpi.com/journal/universe)





Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



[mdpi.com/journal/
universe](https://mdpi.com/journal/universe)



About the Journal

Message from the Editor-in-Chief

The multidisciplinary journal *Universe* 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 Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,
Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)