# **Special Issue**

## **Relativistic Heavy Ion Physics**

## Message from the Guest Editors

A recently discovered state of nuclear matter known as the quark–gluon plasma (QGP) exists at extremely high temperatures and densities formed in relativistic heavyion collisions (HIC). Under such extreme conditions, the composite hadronic states dissolve into a soup of their constituents, quarks, and gluons of quantum chromo dynamics (QCD), whose dynamical properties remain a subject of intense theoretical and experimental studies. This Special Issue aims at providing a comprehensive outlook regarding these important research topics covering the current state-of-the-art vision and ideas that hopefully could shed more light on the fundamental unsolved problems of QCD in extreme conditions. For detailed information, please visit here.

#### **Guest Editors**

Prof. Dr. Michal Šumbera

Dr. Jana Bielcikova

Dr. Roman Pasechnik

#### Deadline for manuscript submissions

closed (31 December 2022)



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## **About the Journal**

## 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.

### Editor-in-Chief

Prof. Dr. Lorenzo Iorio

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