



universe



an Open Access Journal by MDPI

Higgs and BSM Physics: 10th Anniversary of the Discovery of the Higgs Boson

Guest Editors:

Dr. Giuseppe Latino

Dipartimento di Fisica e
Astronomia, Università degli
Studi di Firenze, 50121 Firenze,
Italy

Dr. Lorenzo Viliani

Istituto Nazionale di Fisica
Nucleare, Sezione di Firenze, Via
B. Rossi 3, 50019 Firenze, Italy

Dr. Jinmin Yang

Institute of Theoretical Physics,
Chinese Academy of Sciences,
Beijing, China

Deadline for manuscript
submissions:

closed (25 November 2022)

Message from the Guest Editors

This Special Issue aims to collect contributions dealing with every aspect (both from experimental and theoretical points of view) of the current and foreseen investigation on the properties of the Higgs boson and its connection to BSM physics. In particular, the scope is to put together a collection of both overview and original contributions dealing with state-of-the-art research, related in a broader view to the intriguing field of the Higgs sector and to its BSM extension, to be performed both at current (LHC) and future colliders as well as at other experimental facilities. For this purpose, we very much welcome, in particular, papers on the following: recent LHC experimental results, current and future innovative analysis strategies, reviews of the most accurate theoretical predictions of the production of the Higgs boson, theoretical investigation on BSM extensions of the Higgs sector, theoretical and experimental investigation of Effective Field Theory (EFT) approaches for BSM physics searches, projections of the Higgs boson theoretical predictions, and prospects for measuring its properties at future colliders.



mdpi.com/si/97688

Special Issue



universe



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lorenzo Iorio

Ministero dell'Istruzione e del Merito, Viale Unità di Italia 68,
70125 Bari, BA, Italy

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.

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 & Astrophysics*) / CiteScore - Q2 (*General Physics and Astronomy*)

Contact Us

Universe Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/universe
universe@mdpi.com
X@Universe_MDPI