

Special Issue

Precision Physics and Fundamental Physical Constants (FFK 2023)

Message from the Guest Editors

In this Special Issue, selected papers from the International Conference on Precision Physics and Fundamental Physical Constants (FFK 2023, <https://indico.cern.ch/event/1164804/>, 22–26 May 2023) are presented. FFK 2023 followed the rich traditions of the previous seminars and conferences, covering the recent progress in the field. The presentations spanned a wide range of topics, from classical metrology; the realisation of the kilogramme, through precision spectroscopy of electronic and exotic atoms; as well as molecules to determine masses and magnetic moments of elementary particles; electric dipole measurements; and mass measurements to particle physics aspects such as precision measurements of the neutron, the CKM matrix, recent developments in the theory of muon $g-2$, and collider searches for beyond-the-standard-model physics. FFK 2023 was endorsed by CODATA Task group on fundamental constants. Although this Special Issue collaborates with the International Conference on Precision Physics and Fundamental Physical Constants (FFK 2023), all relevant manuscripts are welcome, including research and review articles.

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