

Special Issue

Experimental Ideas for Novel FEL Facilities Based on Plasma Acceleration

Message from the Guest Editors

This Special Issue is devoted to user applications of new-generation high-brilliance radiation sources. It was influenced by the "EuPRAXIA@SPARC_LAB" User Workshop held in Frascati on 14-15 October 2021, an event dedicated to the new FEL facility based on plasma acceleration. EuPRAXIA is the first European project that aims to develop a dedicated particle accelerator research infrastructure based on novel plasma acceleration concepts and laser technology (<http://www.eupraxia-project.eu/>). Contributions to the Special Issue We, therefore, invite you to contribute research focused on targeting soft X-rays, VUV and XUV radiation ranges and the predicted properties of the EUPRAXIA FEL facility. Manuscripts that combine high-power laser and HHG sources in multidimensional spectroscopy investigations will also be considered.

Guest Editors

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Deadline for manuscript submissions

closed (17 February 2023)



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Message from the Editor-in-Chief

Welcome to *Condensed Matter* (ISSN 2410-3896)! It gives me great pleasure to invite you to publish in the journal. We are looking to build a collection of high quality research articles, supported by a community from across the field of condensed matter physics. In this task, I will be assisted by a highly qualified editorial board. We accept papers on basic research as well as applications, and experimental or theoretical work. Currently the journal is indexed by ESCI (Web of Science) and hope you can consider *Condensed Matter* as an exceptional home for your manuscript.

Editor-in-Chief

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