

Special Issue

Laser-Driven Accelerators, Radiations, and Their Applications

Message from the Guest Editors

This Special Issue aims to take a view of the rapidly progressing field of laser-driven particle accelerations, radiation sources, and their applications. This Special Issue covers the latest developments of laser drivers and laser-particle accelerators, radiation sources based on the laser-plasma accelerators, theoretical studies on novel accelerator concepts, diagnostics for laser-particle accelerators, other laser-driven particle sources, applications of laser-driven particle beams and radiations, and exotic physics in laser-particle interactions.

- high-power lasers
- laser plasma accelerators
- laser wakefield acceleration
- laser proton/ion acceleration
- laser-plasma dynamics in laser particle acceleration
- radiation sources based on laser-particle accelerators
- applications of laser-driven accelerators
- applications of laser-driven radiation sources
- radiation reaction effects in laser-electron collision
- nonlinear QED effects in laser-particle interaction
- generation of exotic particles by intense laser pulses

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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