



Laser-Driven Accelerators, Radiations, and Their Applications

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Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Hyung Taek Kim

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Guest Editors

- 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



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Message from the Editor-in-Chief

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