



CAMBRIDGE  
UNIVERSITY PRESS

**Call for papers – Special issue of *Journal of Plasma Physics***

Dear Colleague,

The *Journal of Plasma Physics* is creating a new Special Collection on the topic of **Ultra-high field physics with lasers: experimental status and theoretical modeling**. This collection aims at providing an overview of the current status of research activity in the field of laser-driven ultra-high field physics with particular emphasis to the exciting experimental opportunities that will be available with the near-future advent of multi-PW laser facilities.

This Collection seeks to gather input from both the experimental and theoretical communities; from the experimental point of view, the journal seeks contributions focused on various aspects of ultra-high field laser-driven experiments ranging from the development of the next generation of multi-PW laser facilities and related experimental diagnostics/techniques, to results of laboratory experiments devoted to addressing specific issues in performing the next generation of laser-driven experiments.

From the theoretical point of view, the Journal encourages submissions focused on the fundamental and numerical understanding of the various phenomena expected to occur during the interaction of an ultra-high intensity laser with single particles, beams, or plasmas.

We propose a submission deadline of **January 1st, 2016** and papers will be published online as soon as they are ready.

If you have any questions, please do not hesitate to get in touch with Gianluca Sarri for experimentally oriented submissions or Felix Mackenroth for purely theoretically oriented ones.

Best Regards,

Gianluca Sarri [g.sarri@qub.ac.uk](mailto:g.sarri@qub.ac.uk)  
Felix Mackenroth [felix.mackenroth@chalmers.se](mailto:felix.mackenroth@chalmers.se)