



Greifswald, 16–20 September 2024

Summer University for Plasma Physics and Fusion Research

Programme

The course covers the main aspects of plasma physics with emphasis on nuclear fusion: basics of plasma physics - kinetic theory and magneto-hydrodynamic description of a plasma – concepts and experimental results of tokamak and stellarator configurations – external heating and diagnostics of a fusion device – plasma wall interaction and material research – safety and environmental aspects of fusion – alternative fusion concepts – ITER and the next steps towards a reactor.

The course includes a tour of IPP's stellarator experiment Wendelstein 7-X.

The lectures are designed for physics and engineering students of European universities who have passed their bachelor courses and not yet decided their PhD topic.

Fee

The school fee is 50 Euro. The costs of accommodation and social events are covered by IPP. Travel costs are borne by the participants.

Application

The school is intended for a maximum of 65 participants.

Applications have to be done online by uploading the CV and evidence of undergraduate studies e.g. diploma or bachelor certificate.

Deadline:
31 May 2024



Contact

Antje Lorenz
Max Planck Institute for
Plasma Physics
Branch Greifswald
Wendelsteinstraße 1
D-17491 Greifswald

Phone: +49 3834 88-2614
summeruni@ipp.mpg.de

Scientific Programme

Dr. Ralf Kleiber
Dr. Roberto Bilato
www.ipp-summeruni.info