



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

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## Scientific Programme

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