

# Summer University for Plasma Physics

16–20 September 2002, Greifswald (Mecklenburg-Vorpommern)

## Programme

The course will cover the main aspects of plasma physics with emphasis on nuclear fusion. It also includes an introduction into strongly coupled low temperature plasmas. The following lectures will be offered: basic plasma physics - kinetic theory, MHD - equilibrium and stability in tokamaks - plasma heating - experimental results in tokamaks and stellarators - plasma waves - plasma diagnostics - computer simulation of plasmas - plasma wall interaction - safety and environmental aspects of fusion - inertial fusion - experimental aspects and application of low temperature plasmas including a visit to the "Institut für Niedertemperatur-Plasmaphysik (INP)" in Greifswald.

The goal of the Summer University is to promote an exchange of views among the coming generation of European scientists. An opportunity for discussions with lectures and the other students will be provided in evening sessions, and during excursions to the surroundings of Greifswald.

This year the Summer University is part of the International Max Planck Research School on Bounded Plasmas.

## Offers

The course is being held for European physics students have passed their basic courses and have not yet started a doctoral (PhD) thesis. The lectures will be presented in English, scripts will be provided to all students. The cost of accommodation will be covered, and subsidies for food will be granted. Limited funds are available for travel expenses. The course is limited to 60 participants.

## Requirements

Your application must include a high school leaving certificate, evidence of basic physics study and a short curriculum vitae.

## Deadline

31 May 2002

## Contact

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