

Summer University for Plasma Physics

27 September – 1 October 2004 Garching

Programme

The course will cover the main aspects of plasma physics with emphasis on nuclear fusion. 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 – plasma technology – astrophysical plasmas – the ITER project.

The course will include a visit to the large fusion device ASDEX Upgrade. The Max-Planck-Institut für Plasmaphysik is host to an international design team for the next step fusion experiment – ITER – the status of which will be reported.

One goal of the Summer University is to promote an exchange of views among the coming generation of European scientists. An opportunity for discussions with lecturers and the other students will be provided in evening sessions and during an excursion to the surroundings of Munich.

Offers

The course is being held for European physics students who 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, an evidence of basic physics study and a short curriculum vitae.

Deadline

28 May 2004

Contact

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