

Summer University for Plasma Physics

17 – 21 September 2001 Garching/ Munich

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 - the ITER project. The course will include visits to the large fusion devices, ASDEX Upgrade and WENDELSTEIN 7-AS. 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, evidence of basic physics study and a short curriculum vitae.

Deadline

31 May 2001

Contact

Christina Stahlberg
MPI für Plasmaphysik
Boltzmannstrasse 2
D- 85748 Garching/ München
Tel: (+49) 89/ 32 99 22 32
Fax: (+49) 89/ 32 99 10 01
E-Mail: Stahlberg@ipp.mpg.de

Scientific Programme:
E-Mail:
Karl.Krieger@ipp.mpg.de
Axel.Koenies@ipp.mpg.de
Internet: www.ipp.mpg.de