

National Programme of Controlled Thermonuclear Fusion

ASSOCIATION EURATOM - HELLENIC REPUBLIC

9TH SCHOOL OF FUSION PHYSICS & TECHNOLOGY

VOLOS-GREECE 19 – 23 APRIL 2010

(AUDITORIA MECHANICAL & TOWN PLANNING ENGINEERING)

UNIVERSITY OF THESSALY

The last 50 years significant research activities have been developed for the production of energy from fusion. The construction of the first international thermonuclear experimental reactor (ITER) started in France by EU, USA, China, India, Japan, Korea and Russia. The European Fusion Programme (EFP) supports and coordinates the related research in the member-states of EU, promoting the cooperation between research units and the participation of researchers.

In the frame of the activities of the National Programme of Controlled Thermonuclear Fusion (NPCTF-www.hellasfusion.gr) funded by the Association Euratom-Hellenic Republic, a Fusion School is held annually. Its aim is the introduction to basic physics and technology of fusion and related fields. Special workshops are also organized where young researchers present their recent research.

The participants (senior undergraduate, graduate, young researchers) will be updated on the EFP and the activities of the research groups of NPCTF. Interested students may explore the possibility of executing graduating and master projects or doctoral theses.

School topics:

Plasma Heating and Instabilities
Magnetic Confinement Devices

Fusion Magnetohydrodynamics
Fusion Technology & Materials

Advanced Seminars:

R. Heating & Gyrotrons
Plasma Kinetics Modeling

Modeling Viscous MHD Flow
Instabilities & Anomalous Transport

Head of NPCTF Research Unit: K. Hitzanidis (prof. NTUA)

Programme Committee:

G. Throumoulopoulos (prof. U. Ioannina) - L. Vlahos (prof. AUTH) - N. Vlachos (prof. UTH)

Registration (by 2 April 2010)

Information:

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