



# “PIERO CALDIROLA” INTERNATIONAL CENTRE FOR THE PROMOTION OF SCIENCE AND INTERNATIONAL SCHOOL OF PLASMA PHYSICS



## THEORY OF FUSION PLASMAS

### JOINT VARENNA - LAUSANNE INTERNATIONAL WORKSHOP

Villa Monastero, Varenna, Italy

August 25 – August 29, 2008

**This Meeting is devoted to the Theory of Magnetic Confinement Systems**

#### Organized by

- Centre de Recherches en Physique des Plasmas, Ecole Polytechnique Fédérale de Lausanne, Association EURATOM - Confédération Suisse
- “Piero Caldirola” International Centre for the Promotion of Science and International School of Plasma Physics
- Istituto di Fisica del Plasma del CNR, Milano

#### Scientific Committee

D. BORBA	(Lisbon, Portugal)
M. BORNATICI	(Pavia, Italy)
V.S.CHAN	(San Diego, USA)
X. GARBET	(Cadarache, France) <b>Chairman</b>
L. GARCIA	(Madrid, Spain)
P. HELANDER	(Garching, Germany)
T. HELLSTEN	(Stockholm, Sweden)
T. HENDER	(Culham, United Kingdom)
Y. KISHIMOTO	(Naka, Japan)
M. LONTANO	(Milano, Italy)
S. MEDVEDEV	(Moscow, Russian Federation)
V.P. PASTUKHOV	(Moscow, Russian Federation)
P.PAVLO	(Prague, Czech Republic)
A. PEETERS	(Warwick, United Kingdom)
T. SATO	(Nagoya, Japan)
O. SAUTER	(Lausanne, Switzerland) <b>Scientific Secretary</b>
T.J. SCHEP	(Nieuwegein, The Netherlands)
A. SEN	(Bhat, IPR, India)
W.M. TANG	(Princeton, USA)
J.W. VAN DAM	(Austin, USA)
F. ZONCA	(Frascati, Italy)

#### Sponsored by

- “Piero Caldirola” International Centre for the Promotion of Science and International School of Plasma Physics
- Centre de Recherches en Physique des Plasmas, Ecole Polytechnique Fédérale de Lausanne, Association EURATOM - Confédération Suisse
- Istituto di Fisica del Plasma del CNR, Milano
- Università degli Studi di Milano-Bicocca
- Ente per le Nuove Tecnologie, l'Energia e l'Ambiente (ENEA)

“Piero Caldirola” International Centre for the Promotion of Science and International School of Plasma Physics

D. Palumbo, President

E. Sindoni, Director

#### List of Topics

- 1) Anomalous Transport (Turbulence, Coherent Structures, Microinstabilities)
  - 2) RF Heating and Current Drive
  - 3) Non Axisymmetric Configurations
  - 4) Macroinstabilities and Magnetic Reconnections
  - 5) Theoretical Aspects of Plasma-Edge Physics and Divertors
  - 6) Theoretical issues related to burning plasmas
- Presentations discussing ITER-related topics are particularly welcomed

#### Contributed Papers

In addition to invited survey papers, contributed papers (poster only) will be selected on the basis of a one-page abstract. The [LateX templates](#) required for the contributed papers can be used for the submitted abstracts as well (see below).

These abstracts should be sent in pdf format by **June 6, 2008** to:  
O. SAUTER, CRPP/EPFL, PPB-Ecublens, CH 1015 Lausanne, Switzerland  
Fax +41-21-6935176 e-mail: [Varenna-Lausanne@epfl.ch](mailto:Varenna-Lausanne@epfl.ch)

#### Proceedings

Proceedings are published in the book series “Theory of Fusion Plasmas” Papers, invited (10-12 pages) and contributed (6 pages) need to follow the LaTeX format explained on the web site: AIP will again publish the proceedings in 2008, with online access. Instructions for authors can be found at: <http://www.aip.org/proceedings>  
The format of the book is 6 x 9 inch, therefore the direct link is  
<http://proceedings.aip.org/proceedings/6x9.jsp>

To get the LaTeX templates:

<http://ftp.aip.org/ems/tex/macros/proceedings/6x9/aipproc.6s.zip>

The files should be given at the conference or sent by email by August 22, 2008 at [Varenna-Lausanne@epfl.ch](mailto:Varenna-Lausanne@epfl.ch)

IT IS IMPORTANT THE AUTHORS READ THE INSTRUCTIONS ON THE WEB PROVIDED BY AIP (<http://proceedings.aip.org/proceedings/6x9.jsp>) AND THAT **YOU CHOOSE THE CORRECT FORMAT, NAMELY 6X9 INCHES**

If you send the files by email, please make one zip file containing the LaTeX text file, the eps Figures AND a pdf version of the paper. The zip file should be named with: lastname\_Varenna08\_paper.zip. If you have the files on a USB key for example, we shall copy them during the conference. **For the paper to be published, you will need to sign the copyright during the conference.**

Use either the LaTeX templates or the MS Word template, according to the guidelines described at <http://proceedings.aip.org/proceedings/6x9.jsp>

#### Registration Fee

Registration fee: 320 EURO (students 160 EURO) should be paid in Varenna **at the registration desk**.

Alternatively, the same fee can be paid by **July 31, 2006** by bank transfer to:

Banca Popolare di Lecco, Division of the Deutsche Bank, Via IV Novembre, 23829 VARENNA (LC), Italy,

Account opened in favour of “International School of Plasma Physics”:

Bank codes (for Italy): ACCOUNT NO. 9500, ABI 03104, CAB 51830, CIN M  
IBAN (bank codes from abroad): IT64 M031 0451 8300 0000 0009 500 - SWIFT code: DEUTITM1029

Please, state as motivation of payment: **your full name – Participation “Theory 2008”**

All bank expenses are at participants’ charge.

The fee covers admission to the Workshop and social events.

#### Applications

Application and hotel reservation form can be obtained from the Organizing Secretariat at the following address:

Ms. Donatella Pifferetti

Via Nazionale, 85 – 23821 ABBADIA LARIANA (LC), Italy

Fax +39-0341-732490

e-mail: [theory\\_at\\_ispp.it](mailto:theory_at_ispp.it)

**Deadline for application: June 6, 2008**

#### Further Information can be obtained from:

##### For scientific questions:

Dr. O. SAUTER, CRPP/EPFL, PPB-Ecublens,  
CH 1015 Lausanne, Switzerland, Fax +41-21-6935176

e-mail: [Varenna-Lausanne\\_at\\_epfl.ch](mailto:Varenna-Lausanne_at_epfl.ch) <http://Varenna-Lausanne.epfl.ch>

or

Prof. E. Sindoni, ISPP, Phone + 39-02-64482746 Fax +39-02-64482794

e-mail: [elio.sindoni\\_at\\_unimib.it](mailto:elio.sindoni_at_unimib.it) <http://www.ispp.it>

##### For organizing/logistic/administrative questions:

Mrs. D. Pifferetti

[theory\\_at\\_ispp.it](mailto:theory_at_ispp.it) Phone/Fax: +39-0341-732490