



Association Euratom- Cea

Direction des sciences de la matière

Institut de recherche sur la fusion par confinement magnétique

Direction

i r f m



cea



cadarache

"List of Recipients below"

Cadarache, le 09/10/2009

O/Ref. : CEA/IRFM/DIR/D2009. 468

Re. : **Call for proposals for the 2009 experimental campaign of Tore Supra**

Dear colleague,

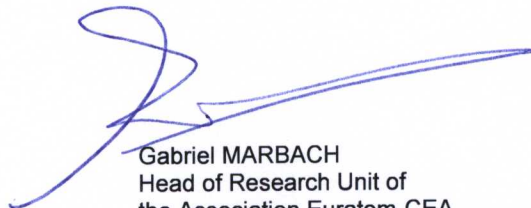
The Institute of Research on Magnetic Fusion (IRFM) is presently finalizing a major upgrade of the LHCD system of Tore Supra. This upgrade will greatly enhanced the long pulse capability of Tore Supra, allowing to study the physics and technology of long pulse discharges in an increased set of parameters, notably in term of injected H/CD power, plasma current and plasma density. Offering an unique combo of actively cooled plasma facing components and of powerful current profile control tools, Tore Supra will be particularly well suited to study the physics of evanescent loop voltage discharges in a situation where the current profile has fully relaxed and the physics of plasma wall interaction in a situation where the wall is at constant temperature.

In order to prepare at best this new phase of Tore Supra experimental programme, we are organizing a 1 day review of the mid term Programme of Tore Supra. This meeting will be held on at Cadarache, on November 18th, 2009. A workshop provisional agenda is attached with this letter.

We have the feeling that this workshop would greatly benefit from external advices, and would be very pleased if you could publicized this workshop in your laboratory. Indeed, we would warmly welcome the participation of experts from your team already engaged in a collaboration with IRFM or willing to examine new possibilities. They can obtain additional information on their subject of interest from the Session coordinators (see the agenda).

Please contact Mrs Véronique Poli (veronique.poli@cea.fr) for transportation, accommodation or any other arrangements.

With my best regards,



Gabriel MARBACH
Head of Research Unit of
the Association Euratom-CEA

Commissariat à l'énergie atomique
Centre de Cadarache - 13108 St Paul lez Durance Cedex
Tél 33 (0)4 42 25 70 01 - Fax 33 (0)4 42 25 64 21 - E-mail dirifm@cea.fr

Etablissement public à caractère industriel et commercial
R.C.S. PARIS B 775 685 019



List of Recipients :

- The Heads of Research Units in EU Fusion Associations
- EFDA Leader/Garching : J. Paméla
- EFDA TG Chairs and TF Leader : C. Hidalgo, P. Martin, T. Donné, A. Bécoulet, E. Tsitrone
- ITER Organization : K. Ikeda, V. Chuyanov, D. Campbell
- European Commission : Y. Capouet and R. Andidormi

cc.:

- JET/ EFDA CSU : F. Romanelli
- F4E : D. Gambier

Enc. : Agenda

Agenda of Tore Supra Mid-term Programme Review



08H30 – 08H45: Introduction

08H45 – 10 H30: Plasma core physics:
Transport-turbulence
MHD
Heating and current drive
Scenarios

Session coordinators:

- *G. Giruzzi (gerardo.giruzzi@cea.fr)*
- *R. Guirlet (remi.guirlet @ cea.fr)*
- *P. Hennequin (pascale.hennequin@lpp.polytechnique.fr)*

10H30 – 10H45: Coffee break

10H45 – 12H30: Plasma edge physics:
Retention
Fuelling
Radiating layers
SOL physics

Session coordinators:

- *J. Bucalossi (Jerome.bucalossi(@cea.fr)*
- *P. Monier-Garbet (pascale.monier-garbet@cea.fr)*
- *Y. Marandet (yannick.marandet@piim.up.univ-mrs.fr)*

12H30 – 13H30: Lunch break

13H30 – 15H15: Tore Supra as a test bench for long discharges:
Scenario & long discharge integration
Operation
Technology

Session coordinators:

- *S. Brémond (sylvain.bremond@cea.fr)*
- *T. Loarer (thierry.loarer@cea.fr)*
- *M. Goniche (marc.goniche@cea.fr)*

15H15 – 15H30: Coffee break

15H30 – 16H45 Programme support: C. Fenzi, F. Imbeaux
Diagnostics
Modeling

Session coordinators:

- *C. Fenzi (christel.fenzi@cea.fr)*
- *F. Imbeaux (frederic.imbeaux@cea.fr)*

16H45 – 17H00: Conclusion