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COMPILATION DES PUBLICATIONS CONCERNANT TCA, de 1980 à 1986

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Ce document de travail est une compilation des publications, au sens large du terme, parues entre 1980 et 1986 sur le tokamak TCA et les résultats y obtenus.

Trois catégories de publications sont retenues :

- 1) les rapports LRP, qui sont classés par ordre croissant de leur numéro, indépendamment de la date de parution;
- 2) les contributions aux conférences, classées chronologiquement, qui ne sont prises en considération que si elles sont publiées dans un compte-rendu (ce qui exclut toutes les présentations pour lesquelles n'existe qu'un résumé, telles celles à l'APS par exemple);
- 3) les publications dans des revues scientifiques, qui sont également classées par ordre chronologique, celles n'étant pas encore imprimées se trouvant sous "1986".

Une copie de chacun des écrits listés plus loin peut être consultée dans l'un des classeurs à étiquette rose dans la bibliothèque TCA. La-dite liste est mémorisée par l'ordinateur PDP 11-60 du tokamak, et peut être compulsée moyennant la commande

HELP PUBLI LRP

HELP PUBLI CONFERENCES

ou

HELP PUBLI PAPERS

Cette compilation a été effectuée à l'aide des rapports annuels du CRPP, des rapports triannuels pour le Fonds National de la Recherche Scientifique (FN) et du rapport interne INT 117/84 par G.A. Collins et J.B. Lister.

L.R.P.

Cheetham A.D. et al., The TCA tokamak project report
LRP 162/80 (jan. 1980)

Lister J.B., Means R.W. et Oberson P., Microprocessor-controlled phase
analysis for a 2 mm microwave interferometer on the TCA tokamak
LRP 171/80 (dec. 1980)
and
Rev. Sci. Instr. 53/5 (1982) 600

de Chambrier A. et al., Alfven wave coupling experiments on the TCA
LRP 195/81 (oct. 1981)
and
Pl. Phys. 24/8 (1982) 893

Joye B. et al., Discrete Alfven wave excitation as a tokamak plasma
diagnostic
LRP 196/81 (dec. 1981)

Gimzewski J.K. et al., Plasma surface interactions in the TCA tokamak :
a preliminary study using deposition probes. Project report 1981
LRP 204/82 (may 1982)

de Chambrier A. et al., Observation of fast current fluctuations during
internal disruptions in TCA, by using Alfven wave diagnostics
LRP 212/82 (aug. 1982)
and
Phys. Lett. 92A (1982) 279

de Chambrier et al., Measurements of electron and ion heating by Alfven
waves in the TCA tokamak
LRP 216/82 (dec. 1982)
and
Pl. Phys. 25/9 (1983) 1021

Hofmann F. et Joye B., Plasma equilibrium in the TCA tokamak
LRP 219/83 (march 1983)

Stamp M.F. et al., A spectroscopic survey of the TCA tokamak with and
without low-frequency RF heating
LRP 220/83 (feb. 1983)

Gimzewski J.K. et al., Scrape-off measurements during Alfven wave
heating in the TCA tokamak
LRP 226/83 (july 1983)
and

J. Nucl. Mat. 121 (1984) 22 (Hofmann F. et al.)

Hofmann F. et al., Limiter design and material tests in TCA with Alfven
wave heating
LRP 229/83 (jan. 1985)

Behn R. et al., Recent Alfven wave heating results on the TCA tokamak
LRP 232/83 (dec. 1983)
and
Pl. Phys. and Contr. Fus. 26 (1984) 173

de Chambrier et al., Effect of RF heating on edge parameters in the TCA
tokamak
LRP 237/84 (july 1984)
and
J. Nucl. Mat. 128-129 (1984) 310

de Chambrier et al., Target plasma conditions in TCA
LRP 241/84 (nov. 1984)

Appert K. et al., Observations of toroidal coupling for low-n Alfvén
modes in the TCA tokamak
LRP 242/84 (feb 1985)
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Phys. Rev. Lett. 54/15 (1985) 1671

Duperrex P.-A. et al., Magnetic broadband turbulence measurements and
ohmic confinement studies in the TCA tokamak
LRP 250/84 (july 1984)
and
Phys. Lett. 106A/3 (1984) 133

TCA authors, TCA papers presented at the 1984 Rome conference
LRP 252/84 (oct. 1984)

Hofmann F. et al., Evaluation of SiC-coated carbon limiters in the TCA
tokamak
LRP 255/85 (aug. 1985)

Lietti A. et Besson G., AFCO, an amplitude and frequency controlled
oscillator for Alfvén wave heating (AWH) in TCA
LRP 264/85 (june 1985)
and
J. Phys. E : Scient. Instr. 19 (1986) 557

Collins G.A. et al., The Alfvén wave spectrum as measured on TCA tokamak
LRP 265/85 (oct. 1985)
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Phys. Fluids 29/7 (1986) 2260

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Joye B., Marmillod Ph. et Nowak S., A multi-channel bolometer for
radiation measurement on the TCA tokamak
LRP 284/86 (june 1986)
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Rev. Scient. Instr. 57/10 (1986) 2449

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LRP 289/86 (april 1986)

Sawley M.L., Simm W. et Pochelon A., The correlation dimension of
broadband fluctuations in the TCA tokamak
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Simm C.W., Sawley M.L., Skiff F. et Pochelon A., On the analysis of
experimental signals for evidence of deterministic chaos
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LRP 296/86 (june 1986)

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Joye B. et al., Measurements of strong electron core heating during Alfvén wave heating in the TCA tokamak
LRP 297/86 (june 1986)

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Nowak S., Bolometrische Messungen des Strahlungsverlusts am Tokamak TCA
LRP 300/86 (july 1986)

Hollenstein Ch. et al., Broadband magnetic and density fluctuations in the TCA tokamak (paper presented at the 1986 Cargèse conference)
LRP 306/86 (1986)

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tokamak (vol.II, p.689)

Keller R., Tuszel A., Baumann H. and Irminger G., Feedback-controlled
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TCA (vol.II, p.853)

Lietti A., A 150 kW low frequency oscillator for wall cleaning and
preionization of the TCA tokamak (vol.II, p.883)

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Keller R. et al., Alfvén wave heating in the TCA tokamak (paper B2)

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(vol.I, p.835)

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de Chambrier A. et al., Alfvén wave absorption studies in TCA
(vol.I, p.161)

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(vol.III, p.1117)

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- de Chambrier A. et al., Effect of RF heating on edge parameters in the
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Joye B. et al., Towards a better understanding of impurities in TCA
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Hollenstein Ch. et al., Wave studies in the scrape-off layer of TCA
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- Collins G.A., Lister J.B. et Marmillod P., Central mass and current
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Behn R. et al., Observation of density fluctuations localized at the
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