JOURNAL OF PLASMA AND FUSION RESEARCH

The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research Vol. 99, No. 6, June 2023

Special Topic Articles	
Progress of Test Blanket Module Program in ITER	
1. Introduction ······· KAWAMURA Yoshinori	247
2. Background of the TBM Program ······ KAWAMURA Yoshinori	250
3. Technical Issues and Progress in TBS Research and Development	
HIROSE Takanori, GUAN Wenhai, KATAGIRI Takuya, WAKASA Atsushi,	
NAKAJIMA Motoki, KIM Jaehwan, UTOH Hiroyasu, KOGA Yuki,	
MIYOSHI Yuya, NOZAWA Takashi, KAWAMURA Yoshinori and TANIGAWA Hiroyasu	256
4. Details of TBS ComponentsGUAN Wenhai, KATAGIRI Takuya, SOMEYA Youji,	
MIYOSHI Yuya, OCHIAI Kentaro, WAKASA Atsushi,	
NAKAJIMA Motoki, HIROSE Takanori and KAWAMURA Yoshinori	261
5. Conclusion — TANIGAWA Hiroyasu	272
Lecture Note	
Physicochemical Interaction of Plasma and Catalyst for Surface Chemical Reactions	
5. Characterization ······· TAKAKUSAGI Satoru	276
6. Summary NOZAKI Tomohiro	283
Lecture Note	
Re-Learning Micro-Instabilities in Magnetically Confined Plasmas	
1. Preface WATANABE Tomo-Hiko	285
2. Basic Equations for Micro-Instabilities WATANABE Tomo-Hiko and MAEYAMA Shinya	286
3. Ion and Electron Temperature Gradient Modes ·············· NUNAMI Masanori and NAKATA Motoki	291
Research Paper	
Measurement of Residual Tritium in Plasma Facing Wall of Nuclear Fusion Experimental Devices	
by Hydrothermal Treatment using Autoclave	
KIKUCHI Genta, ASHIKAWA Naoko and TORIKAI Yuji	296
PFR Abstracts	300
Information ·····	301

Cover

To develop and validate spectropolarimetric measurements, we set up an inductively coupled plasma (ICP) generator designed especially for solar chromospheric plasmas interacting with radiation and weak magnetic fields. The device was put in front of the focal plane of the Domeless Solar Telescope at Hida Observatory of Kyoto University. The system successfully reproduced reasonable spectropolarimetric signals as compared with those from the solar prominences.

Announcement ·····

305

(Tomoko KAWATE et al., Plasma and Fusion Research, Vol. 18, 1401037 (2023) https://www.jspf.or.jp/)