

JOURNAL OF PLASMA AND FUSION RESEARCH

The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research

Vol. 80, No.12, December 2004

Rapid Communications

- Measurement of Azimuthal Flow Velocity Using Laser-Induced Fluorescence Spectroscopy in a HYPER-I Plasma
..... OKAMOTO Atsushi, YOSHIMURA Shinji, KADO Shinichiro and TANAKA Masayoshi Y. 1003

Special Topic Article

Study of Anti-Hydrogen and Plasma Physics

1. Introduction MOHRI Akihiro, YAMAZAKI Yasunori and TANAKA Hitoshi 1005
2. Theoretical Aspects of Antihydrogen Studies LEHNERT Ralf and SHIMAMURA Isao 1006
3. The Production, Deceleration and Cooling of the Slow Antiproton Beam, and the Production and Control
of the Positron Plasma TORII Hiroyuki A., KURODA Naofumi, HIGAKI Hiroyuki,
FUNAKOSHI Ryo and OSHIMA Nagayasu 1012
4. Observation of Antiproton Beams and Nonneutral Plasmas
..... HORI Masaki, FUJIWARA Makoto, KURODA Naofumi and MOHRI Akihiro 1022
5. Production of Cold Antihydrogen in a Nested Trap FUJIWARA Makoto 1027
6. Next Generation Traps for Confinement or Extraction of Antihydrogen Atoms
..... KANAI Yasuyuki, MOHRI Akihiro and HORI Masaki 1031

Lecture Note

Energetic Particle Diagnostics for Transport Analysis

3. Escaping Fast Ion Diagnostics for the Fast Particle Transport Analysis
..... ISOBE Mitsutaka and SHINOHARA Kouji 1036

Introduction of Research Group

- A Laboratory of a Teacher Training University - Ohgo Lab. (Fukuoka University of Education) - 1044

Salon

- Fusion Space Station OHKAWA Tihiro 1046

New Book 1047

News of Related Fields 1048

Plasma and Fusion Calendar 1055

Announcement 1056

Vol.80 Contents 1064

Published Monthly by

The Japan Society of Plasma Science and Nuclear Fusion Research

3-1-1, Uchiyama, Chikusa-ku, Nagoya 464-0075, Japan

Tel 052-735-3185, Fax 052-735-3485, E-mail:jspf@nifs.ac.jp, URL:http://www.jspf.or.jp/