

JOURNAL OF PLASMA AND FUSION RESEARCH

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

Vol. 89, No.8, August 2013

Review Papers

- Development of Cryogenic Targets for Fast Ignition Laser Fusion Experiment
..... IWAMOTO Akifumi, FUJIMURA Takeshi, NAKAI Mitsuo, NORIMATSU Takayoshi,
SAKAGAMI Hitoshi, SHIRAGA Hiroyuki and AZECHI Hiroshi 517

Commentaries

- Sheath Phenomena of Not-So-Common Knowledge KONO Akihiro 529

Commentaries

- Study on the Generation Mechanism of Relativistic Electrons Due to
Wave-Particle Interactions in the Radiation Belts Via Spacecraft Observation
..... MIYOSHI Yoshizumi, KATOH Yuto, KOJIMA Hirotsugu and HIKISHIMA Mitsuru 536

Lecture Note

- Material Property and Simulation Methods Applicable to Laser Produced Plasmas
in the New Density and Temperature Region
6. Elementary Process and Application of Pellet Ablation in Magnetically Confined High Temperature Plasm
..... SAKAMOTO Ryuichi and GOTO Motoshi 544
7. Summary of New Modeling of Laser Plasma Interaction YONEDA Hitoki 551

Information 554

Plasma & Fusion Calendar 562

Announcement 564

Cover

A simple new tool for deposition layer studies, a directional material probe, is proposed. The probe, which examines the directionality of deposition layer formation, consists of a flat disk and pin. These figures are photos of the probes in the Large Helical Device (LHD) vacuum vessel, and their positions in the poloidal cross-sections. (Suguru MASUZAKI, Plasma and Fusion Research Vol.8, 1202110 (2013) <http://www.jspf.or.jp/PFR/>)



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: plasma@jsofr.jp, URL: <http://www.jspf.or.jp/>