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Prologue ····· NAKAJIMA Naomasa 1

Project Review

The Numerical Simulation Research Project at the National Institute for Fusion Science ····· HORIUCHI Ritoku 2

Special Topic Articles

In-Situ Irradiation Measurements on Physical Properties of Materials under Radiation Environments

1. Introduction ····· SHIKAMA Tatsuo 40

2. Radiation-Induced Effects in Physical Properties of Materials

2.1 Radiation Measurement Using Optical Devices with Radiation-Induced Luminescence
····· TOH Kentaro and NAKAMURA Tatsuya 42

2.2 Radiation-Induced Electrical Degradation under Gamma-Ray and Neutron Irradiations TSUCHIYA Bun 47

2.3 Radiation-Induced Thermal Conductivity under Neutron Irradiation
····· SHIKAMA Tatsuo and SNEAD Lance L. 52

2.4 Ion Beam Induced Luminescence Analysis ····· NAGATA Shinji, KATSUI Hirokazu, HOSHI Kazuya, TSUCHIYA Bun, TOH Kentaro and SHIKAMA Tatsuo 55

2.5 In-Situ Measurement of Hydrogen Retention under Plasma Exposure by Using Ion Beam
····· OHNO Noriyasu and MATSUNAMI Noriaki 59

2.6 Evaluation of Irradiation Creep for F82H Steel by Using Pressurized Tubes
····· ANDO Masami, NOZAWA Takashi, HIROSE Takanori and TANIGAWA Hiroyasu 64

3. Fundamental Study on In-Situ Temperature Measurement with Thermoluminescence Characteristics of Optical Fibers under Gamma-Ray Irradiation ····· TSUCHIYA Bun and TOH Kentaro 68

Lecture Note

Current Status of Plasma Processing of Various Carbon Materials, and their Issues in Industrial Use

1. Introduction ····· YAMADA Hideaki 74

2. Frontier of the Research in Diamond-Like Carbon Coating Processes ····· KOUSAKA Hiroyuki 76

PFR Abstracts ····· 84

Information ····· 86

Plasma & Fusion Calendar ····· 89

Announcement ····· 90

Cover

The high-power 295 GHz gyrotron being developed at University of Fukui. It is intended for use in collective Thomson scattering diagnostic in LHD. Figure (a) shows a fabricated gyrotron mounted on a 12 T superconducting magnet. Figures (b) and (c) show the calculated and measured radiation patterns, respectively. The measured pattern is similar to the calculated one, and is confirmed to have highly Gaussian like distribution both in horizontal and vertical directions. (Yuusuke YAMAGUCHI *et al.,* Plasma and Fusion Research Vol.8, 1205165 (2013) http://www.jspf.or.jp/PFR/)

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