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## Commentary

- How to Understand the Confinement and Stability in the Extremely High Beta State of an FRC  
..... ASAI Tomohiko, TAKAHASHI Tsutomu, GOT A Hiroshi and KISHIMOTO Yasuaki 165

## Special Topic Articles

- New Progress in the Observation and Application of the Laser-Plasma in the Semiconductors and Dielectrics
1. Introduction ..... OTOBE Tomohito 174
  2. Study of Non-Thermal Effects on Femtosecond Laser Ablation of Transparent Dielectrics  
Through the Measurements of Spallation Dynamics ..... KUMADA Takayuki 176
  3. Non-Destructive Probe for Photoinduced Plasma in Semiconductor by Terahertz Light  
..... TSUBOUCHI Masaaki 181
  4. Characterization of Laser Pulse Waveform by Ultrafast Plasma Mirror Formation ..... ITAKURA Ryuji 186
  5. Summary ..... OTOBE Tomohito 190

## Contributed Paper

- Analysis on the Public Awareness and Images of the Word "Nuclear Fusion" in Japan  
..... TAKEDA Shutaro and NAGASHIMA Ruriko 191

## Contributed Paper

- 4D Street View: A New Visualization Method for Computer Simulations  
..... KAGEYAMA Akira, SAKAMOTO Naohisa and OHNO Nobuaki 199

PFR Abstracts ..... 207

Information ..... 208

Announcement ..... 212

## Cover

Research and development of the foam shell cryogenic target for fast ignition laser fusion experiments. Photographs of a 481  $\mu\text{m}$  foam shell target in a surrogate hydrogen fuel experiment. We confirmed a foam layer could be impregnated with a liquid fuel with quantity control by a meniscus observation. After the impregnation, void-free solidification will be conducted to finish a cryogenic target. (Akifumi IWAMOTO *et al.*, Plasma and Fusion Research, Vol. 15, 2404006 (2020) <http://www.jspf.or.jp/>)