

# Fusion technology

CONTENTS / MAY 1999—VOL. 35, NO. 3

## TECHNICAL PAPERS

- 267** High-Velocity Liquid Jet Injection into Tokamak Plasmas for Disruption Mitigation / *Paul B. Parks, Marshall N. Rosenbluth, Sergei V. Putvinski, Todd E. Evans*
- 280** Helium Oscillations in Burning Tokamaks / *Heimo Bürbaumer, Gerald Kamelander, Dieter J. Sigmar, Frederick Wising*
- 289** Critical Heat Flux in Subcooled Water Flow of One-Side-Heated Screw Tubes / *Jean Boscary, Masanori Araki, Satoshi Suzuki, Koichiro Ezato, Masato Akiba*
- 297** Steady-State Tests of High-Voltage Ceramic Feedthroughs and Coaxial Transmission Line for ICRF Heating System of the Large Helical Device / *Takashi Mutoh, Ryuhei Kumazawa, Tetsuo Seki, Fujio Simpo, Goro Nomura, Tsuyoshi Ido, Tetsuo Watari, Jean-Marie Noterdaeme, Yanping Zhao*
- 309** A New Approach for Assessing the Required Tritium Breeding Ratio and Startup Inventory in Future Fusion Reactors / *William Kuan, Mohamed A. Abdou*
- 354** Operation of Cylindrical Array of Plasma Guns / *James H. Degnan, William L. Baker, Maynard Cowan, Jr., Jack D. Graham, Jed L. Holmes, Emmanuel A. Lopez, David W. Price, Dale Ralph, Norman F. Roderick*
- 361** Lattice Ion-Trap Confinement for Deuterons and Protons: Possible Interaction in Condensed Matter / *Vittorio Violante*

## DEPARTMENTS

- 369** Letters to the Editor  
Comments on "Rejuvenation of the CANDU Spent Fuel in (D-T)-Driven Hybrid Reactors" / *Sümer Şahin*  
Response to "Comments on 'Rejuvenation of the CANDU Spent Fuel in (D-T)-Driven Hybrid Reactors'" / *Sebahattin Ünalın*  
Bose Einstein Condensate as Fuel for Nuclear Fusion / *Herzel Laor*
- 372** Volume 35 Indexes  
v Volume 35 Contents