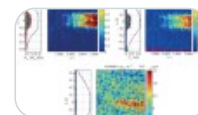




Volume 51, Issue 8
August 2025

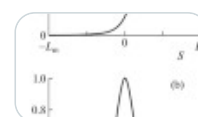
12 articles in this issue

On the Possible Role of Parametric Decay Instabilities in Experiments on Electron Cyclotron Heating of the Plasma with the Extraordinary Wave at the Second Resonance Harmonic at the TEXTOR Tokamak



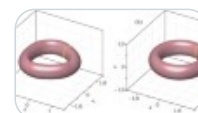
TOKAMAKS | 18 November 2025 | Pages: 871 - 879

The Effect of Ion Flow Charge Exchange on the Potential Profile in the Expander of an Open Trap



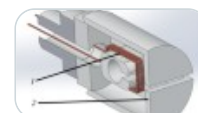
MAGNETIC TRAPS | Open access | 18 November 2025 | Pages: 880 - 886

Plasma Equilibrium Configuration of Hill's Vortex Type with $n = 3$ Toroidal Asymmetry



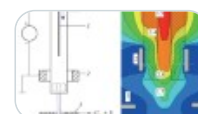
NONLINEAR PHENOMENA | Open access | 18 November 2025 | Pages: 887 - 896

Determination of Conditions for Efficient Excitation of Fast Magnetosonic Waves in Plasma of the L-2M Stellarator in Ohmic Heating Regime



INTERACTION OF WAVES WITH PLASMA | Open access | 18 November 2025 | Pages: 897 - 905

Methods of Enhancing the Anti-Cancer Effect during the Simultaneous Processing of Cells by a Cold Atmospheric Plasma Jet and Gold Nanoparticles



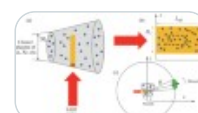
PLASMA DIAGNOSTICS | 18 November 2025 | Pages: 906 - 913

Active Screen Caging Effect on the Plasma Parameters in Helium–Nitrogen Gas Mixture



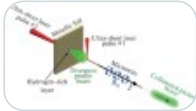
PLASMA DIAGNOSTICS | 18 November 2025 | Pages: 914 - 924

X-Ray Generation in a Microcluster Medium Irradiated by an Ultrashort Laser Pulse



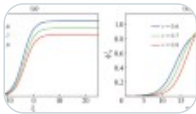
LASER PLASMA | 18 November 2025 | Pages: 925 - 940

Efficient Guiding of Laser-Driven Proton Beam with Azimuthal Magnetic Fields Induced by Relativistic Discharge Pulse in Micro-Wire



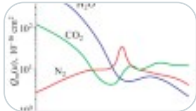
LASER PLASMA | 18 November 2025 | Pages: 941 - 952

Nonlinear Interactions Phenomena of Dust Acoustic Shocks in Strongly Coupled Dusty Plasmas



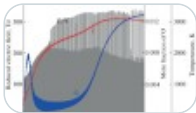
DUSTY PLASMA | 18 November 2025 | Pages: 953 - 960

The Effect of a Magnetic Field on the Kinetic Characteristics of Electrons in Gas Mixtures Containing Nitrogen, Carbon Dioxide, and Water Molecules



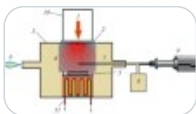
LOW-TEMPERATURE PLASMA | 18 November 2025 | Pages: 961 - 973

Numerical Simulation of the Pulse-Periodic Nanosecond Discharge in the Methane–Air Mixture



LOW-TEMPERATURE PLASMA | 18 November 2025 | Pages: 974 - 984

Plasma-Chemical Processes of the Production of Nitrogen Oxides and Ozone in Electron Beam Plasma and Their Influence on Radiation Corrosion of Metals



LOW-TEMPERATURE PLASMA | 18 November 2025 | Pages: 985 - 997