

Contents

Vol. 43, No. 8, 2016

Simultaneous English language translation of the journal is available from Allerton Press, Inc.
Distributed worldwide by Springer. *Bulletin of the Lebedev Physics Institute* ISSN 1068-3356.

On Ion Temperature in Cryogenic Discharge

R. I. Golyatina and S. A. Maiorov

237

Distance Measurements of the Process of the Passage of Astroparticles with Energies
above 10^{15} eV through the Earth's Atmosphere

O. D. Dalkarov, K. A. Kotelnikov, S. K. Kotelnikov, T. Kh. Sadykov, and Yu. A. Trubkin

242

Conditions of Dynamic Change in Radiation Mode

B. V. Melkoumian

244

Medical Gamma Probe Based on LaBr₃:Ce Scintillation Crystal

A. K. Berdnikova, F. A. Dubinin, and V. A. Kantserov

249

Effect of the Spatial Distribution of Probe Beam on the Results of Measurements of the
Disperse Composition of Nanoparticles by Dynamic Light Scattering Method

N. F. Bunkin, A. V. Shkirin, S. N. Chirikov, and A. L. Sendrovitz

252

Appearance of an Artifact Peak in the Particle Size Distribution Measured by DLS at Low
Concentrations

M. N. Kirichenko, A. T. Sanoeva, and L. L. Chaikov

256
