

## Information for Contributors

1. Manuscripts must be written in English. All manuscripts will be referred to acknowledged experts in the subject. Only those receiving favourable recommendations from the referees will be accepted for publication. Manuscripts may be sent to any Board member, any Associate Editor or the Editor.
2. The typescript should be double spaced, on one side of good grade paper, allowing a reasonable left-hand margin. An original and two copies should be submitted with the author's full postal address, position and affiliations.
3. The title and section headings should highlight the significant points. A short abstract should precede the main text.
4. One copy of photographs, prints or transparencies of good quality and unmarked should be submitted. Where lines or lettering are to appear on the photograph, an additional print should be supplied appropriately marked. Each should have, lightly written on the back, the author's name, the figure number and an indication of which is the top of the picture.
5. One copy of each line diagram should be submitted at approximately twice final size and unlettered. Diagrams must be drawn in indian ink on plain white or transparent paper. A second copy should be supplied with lettering included. The author's name and the figure number should be written on this copy.
6. Tables should be typewritten on separate sheets. Avoid, where possible, very wide tables.
7. References should be cited in the text, according to the Harvard (Author/date system), but giving the last name of the author(s) followed by a comma and the year of publication e.g. DICKEN & LLOYD 1979; FLETCHER 1978. If there is more than one work by an author in a given year, then label them alphabetically within each year, e.g. HALL, 1967a. The full references should be typed, *double-spaced*, on a separate sheet of paper at the end of the article. They must include the names and initials of all the authors, the year of publication, the full title of the article (or book), the standard abbreviated name of the journal.  
SHEERIN, J. P. & ONG, R. S. B. 1980 *J. Plasma Phys.* 24, 157.  
WHITTAKER, E. T. & WATSON, G. N. 1962 *A Course of Modern Analysis*, p. 36. Cambridge University Press, Cambridge.
8. Correction to proofs should be restricted to printers' errors only. Authors are entitled to 25 offprints of their article free of charge. Additional offprints may be purchased if they are ordered on the form sent with the proofs.

# LASER AND PARTICLE BEAMS

Volume 2 Part 1 February 1984

## CONTENTS

**H. Murakami, T. Aoki, S. Kawata and K. Niu:** Rotating and propagating LIB stabilized by self-induced magnetic field 1

**P. C. Thompson and P. D. Roberts:** Shock wave generation in thin foils using lasers and ion beams. II 2-D expansion effects and planarity considerations 13

**N. Metzler and J. Meyer-ter-Vehn:** Target study for heavy ion beam fusion 27

**L. Z. Barabash, Yu. A. Bykovskii, A. A. Golubev, Yu. P. Kosyrev, D. G. Koshkarev, K. I. Krechet, Yu. I. Lapitskii, S. V. Latyshev, R. T. Haydarov, B. Yu. Sharkov and A. V. Shumshurov:** Laser produced plasma as an ion source for heavy ion inertial fusion 49

**T. S. T. Young and J. Benford:** Beamline for a light ion fusion demonstrator reactor 61

**J. G. Linhart:** Energy transfer in inertial confinement 87

**N. G. Basov, A. E. Danilov, M. P. Kalashnikov, B. V. Kruglov, Yu. A. Mikhailov, A. V. Rode, G. V. Sklizkov and S. I. Fedotov:** The investigation of heating and compression of high-aspect ratio targets with 'Delfin-1' 103

**B. Ahlborn:** Comments on "A simple model of ion beam heated ICF targets" by R. G. Evans 121

**Conference report—16th ECLIM 123**

**Book reviews 127**

© Cambridge University Press 1984

Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP;  
32 East 57th Street, New York, N.Y. 10022

Printed in Northern Ireland by The Universities Press (Belfast) Ltd, Belfast BT6 9HF