

## FORTHCOMING PAPERS

### Relationship between coherence length and output power of a multi-longitudinal-mode Ar<sup>+</sup> laser

J. Yin, S. Zhu, H. Sun, W. Gao (P.R. China)

### Investigation of ion dynamics in a Penning trap using a pulse-probe technique

K. Dholakia, G.Zs.K. Horvath, W. Power, D.M. Segal, R.C. Thompson (UK)

### Photorefractive four-wave mixing in a high-contrast regime

W. Królkowski (Australia)

### Scaling-up <sup>13</sup>C separation by infrared multiphoton dissociation of the CHCl<sub>2</sub>/Br<sub>2</sub> system

G. Chen, B. Wu, J. Liu, Y. Jing, M. Chu, L. Xue, P. Ma (P.R. China)

### Direct observation of the second-order Stark effect of the X-B transition in molecular iodine

A.N. Goncharov, A.Y. Nevsky, M.N. Skvortsov (Russia)

### Solid-state dye lasers based on copolymers of 2-hydroxyethyl methacrylate and methyl methacrylate doped with rhodamine

A. Costela, F. Florido, I. Garcia-Moreno, R. Duchowicz, F. Amat-Guerri, J.M. Figuera, R. Sastre (Spain)

## Applied Physics A 59, No. 6 (1994)

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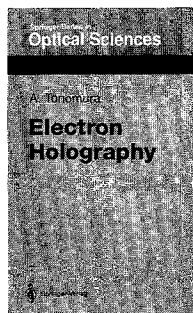
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A. Tonomura

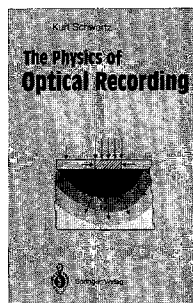
### Electron Holography

1993. IV, 120 pp. 104 figs. 3 tabs.

(Springer Series in Optical Sciences, Vol. 70)

Hardcover DM 79,50 ISBN 3-540-57109-4

After examining the fundamentals of electron holography and its applications to the fields of magnetic domain structure observation, fluxon observation in superconductors, and fundamental experiments in physics, a detailed discussion of the Aharonov-Bohm effect and related experiments is presented. Many photographs and illustrations are included to elucidate the text.



K. Schwartz

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1993. VIII, 191 pp. 92 figs. 8 colour plates.

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