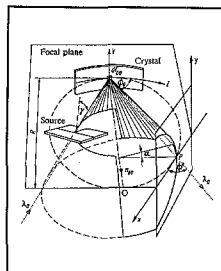


A. Meisel, Karl-Marx-Universität, Leipzig; G. Leonhardt, TU Karl-Marx-Stadt; R. Szargan, Karl-Marx-Universität, Leipzig

X-Ray Spectra and Chemical Binding



1989. VIII, 458 pp. 230 figs.
(Springer Series in Chemical Physics, Volume 37) Hardcover DM 198,-
ISBN 3-540-13325-9

This book focuses on the relation between X-ray spectra and the electronic structure of matter. Discussions of the physical processes are combined with interpretation of spectra from the perspective of chemistry to give a unified and rigorous presentation that

makes considerable use of chemical intuition and recognizes intrinsic complexities such as incomplete relaxation and multivacancy production. The authors review experimental methods, results and analyses, and apply the results to chemistry, materials science and the electronic structure of matter. The extensive bibliography facilitates access to primary literature.

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K. Tada, University of Tokyo
H.S. Hinton, AT&T Bell Laboratories, Naperville, IL (Eds.)

Photonic Switching II

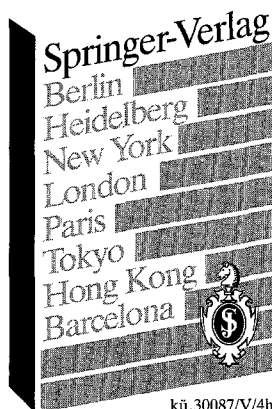
Proceedings of the International Meeting Kobe, Japan, April 12-14, 1990
1990. XIII, 396 pp. 343 figs. (Springer Series in Electronics and Photonics, Vol. 29) Hardcover DM 105,- ISBN 3-540-53067-3

This book outlines the current status of research in photonic switching and details the latest scientific achievements and trends in this field. The topics treated include guidedwave devices, optically controlled devices, space-division switching, free-space and wavelength-based switching and devices, and packet switching. Several contributions provide a broad overview of some of the most rapidly developing areas, such as optical amplifiers, nonlinear optical devices, and free-space digital optics. This is an ideal reference book for researchers wishing to learn about and understand the recent rapid progress in photonic switching.

Also available:

T.K. Gustafson, P.W. Smith (Eds.),
Photonic Switching (Springer Series in Electronics and Photonics, Vol. 25). 1988.
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Contents

Volume 18 · No. 1 · January 1991

Laser Devices

- Pulsed Slab Nd:YAG Laser Gong Mali,
..... Han Kai, Xu Shaolin, Zhai Gang
Measurement of Population Densities in a Copper-Bromide
Discharge Tube Zhu Lizhou et al.
Soft X-Ray Amplification in Lithium-Like Silicon Ions
..... Fan Pinzhong et al.
Optical Transitions and Laser Operation of Er³⁺ Ions in
Phosphate Glass Qi Changhong et al.
Observation of Superradiance from F₂- and F₃⁺-Centers in LiF
Crystals Gu Hongen, Cheng Fanxin

Experimental Techniques and Elements

- Experimental Study for Evaluating Image Quality of X-Ray
Focusing Mirror Used in Beamline-3 at BEPC Using
632.8 nm Visible Light Liu Wuming et al.
Spatially Resolved XUV Spectral Technique for Laser-
Produced Plasmas Fan Pinzhong et al.
Wavelength Effects on Laser Induced Optical Thin Film
Damage Li Zhongya et al.
Lifetime Measurement of Cu Metastable States by Means of
HCD Lamp Yin Lifeng et al.

Laser Physics and Laser Chemistry

- Two Different Conical Emissions Li Binxue,
..... Lu Qin, Lin Fucheng
Double-Directional Ring Oscillation Produced by Photore-
fractive Scattering in Self-Pumped BaTiO₃ ... Lu Tuansun,
..... Qiu Yisheng, Xu Lixing, Liu Wenhui
Research of Electron Density Steepening and Odip Structure
in the Corona of Laser-Plasmas Zhang Huihuang,
..... Lin Zunqi, Wang Xiaoqin, Yu Wenyan
Soft X-Ray spectrum of Y-Mo Laser-Produced Plasma
..... Feng Xianping et al.

Holography and Information Processing

- Optical Parallel Array Logic Based on Spatial Amplitude
Encoding Pattern Method for Optical Digital Computing ..
..... Zhong Lichen et al.
Complementary-Encoding Truth Table Lock-Up Processing
for Calculation of Complex Multinomials ... Chen Lixue,
..... Yuan Shifu, Qian Shouren, Duan Shushan
Vibration Measurement of Objects by Using Holographic
Double-Frequency Grating Xie Jianping, Ming Hai,
..... An Shaofeng, Wu Yunxia

Laser Medicine and Biology

- Effects of He-Ne Laser Irradiation on Antibody Forming in
Mice Gao Meihua, Qiu Shicui, Li Wuxiu, Liu Airon
Experimental Study of Effect of Cardiac Parameters of Ath-
letes During Exercise by He-Ne Laser(Letter)
..... Zhao Hong, Yang Fanchang
Adjutant Photodynamic Therapy in Surgical Management of
Malignant Brain Tumors(Letter) Wu Sien et al.
Clinical Effect of Laser Acupuncture on Transpesing Malpo-
sition of Fetus for 100 Cases (Letter)
..... Wu Wendou, Li Zhibai
Iteinduced Effect of Laser on Different Varieties of Wheat at
Division Stage of Sexual Cells (Letter)
..... He Shixian, Liu Jingyuan, Yao Wenguo