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GERMAN, per, Zeit für EH Physik, Vol CLII, No 5, pp 566-573, 1958

C.S.I.R.O.

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AEC UCEL-Trans-639

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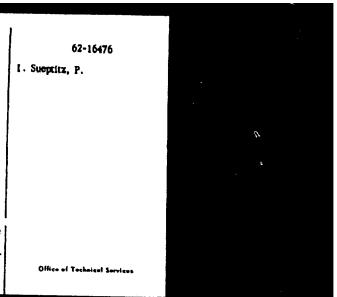
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THE PROPERTIES OF PHOTOELECTRONS IN
SILVER CHLORIDE AT ROOM TEMPERATURE.
[1962] 15p. (figs. omitted) 10 refs.
Order from SLA \$1.60 62-16476

Trans. of Z[eitschrift] f[ur] Physik (West Germany) 1958, v. 153, p. 174-185.

DESCRIPTORS: *Silver compounds, Chlorides, *Single crystals, Electrons, Drift, Photoelectric effect.

Silver chloride crystals with a different history were tested with an impulse technique, utilizing the printout effect, to determine the drift mobility and the mean life span of photoelectrons. The life span of the electrons proved to be depending to a great extent on the history of the crystals. In the most carefully prepared crystals it was less than 10-7 sec.; in crystals (Physics--Solid State, TT, v. 8, no. 10) (over)



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SLA 59-17446

Sci Jan 60 Vol 2, No 8

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CEA-tr-A-851 Uncl.

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Particle Physics; Thermonuclear; Translations MC-20

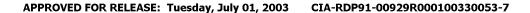
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Generation of a Beam of Hydrogen Atoms Having Unidirectional Spin. Analysis of the Beam. Proof of Maintenance of Polarisation, by G. Clausnitzer, 23 pp.

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Interpretation of the Anomalies of the Optical constaints of Thin Metal Films, by Erwin David, 24 pp.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003

CIA-RDP91-00929R000100330053-7

Boldt, G. RECOMBINATION- AND "MINUS"-CONTINUUM OF NITROGEN ATOMS (Rekombinations - und "Minus"-Kontinuum der Stickstoffatome). [1962] [22]p. (foreign text included) 5 refs. Order from SLA \$2,60

62-16029

Trans. of Zeitschrift für Physik (West Germany) 1959, v. 154 [no. 3] p. 330-338.

DESCRIPTORS: *Plasma physics, *Nitrogen, Ions, Spectrographic analysis, Absorption, High temperature research, Atoms.

The continuum emitted by a wall-stabilized arc burning in nitrogen is measured for temperatures between 10, 500 and 13, 000°K in the wave length region from 4300 to 6300 Å. After subtraction of the calculated freefree continuum of the electrons in the field of the posi-(Physics, TT, v. 9, no. 4) (over)

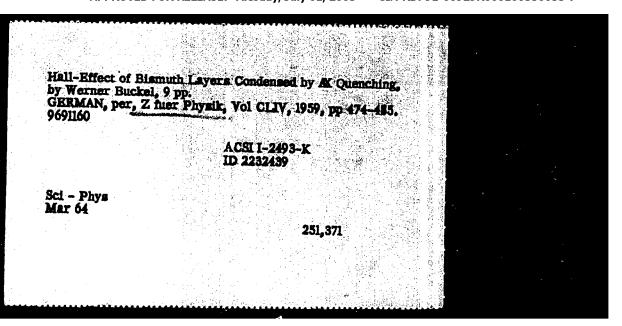
1. Title: Continuum I. Boldt, G.

62-16029

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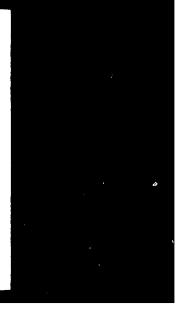
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The Experimental Determination of Stacking-Fault Energies in Cubic Face-Centered Metals, by A. Seeger, R. Berner, W H. Wolf, 13 p.

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X-Ray Study of Dislocations in Germanium, by V. Gerold, F. Meier,

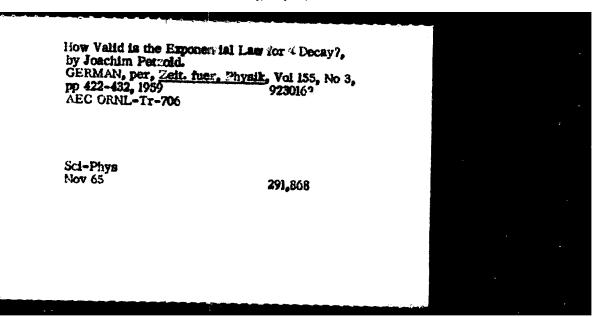
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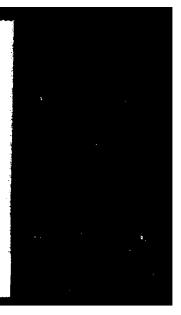
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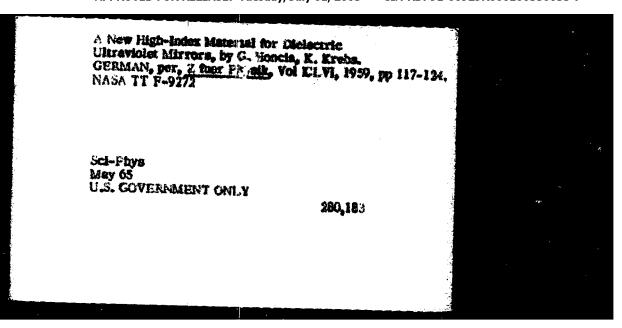
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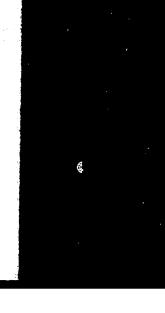
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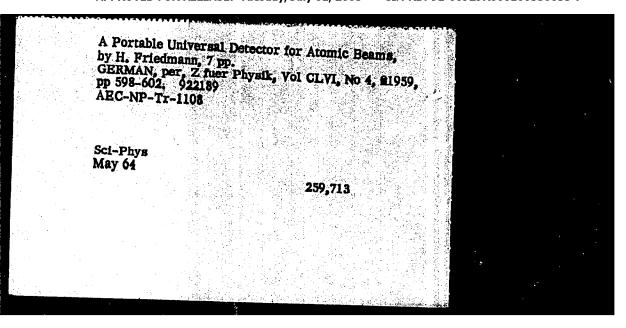
Influence of Cathode Sublimation on the Energy Balance of a High Curent Carbon Arc, by E. Hinrichs, E. Wienecke.

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Jul 70





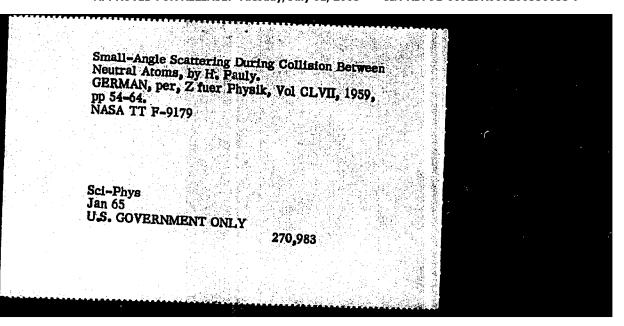
On the Characteristics of Cylindrical Arcs, by H. Maecker, 71 pp.

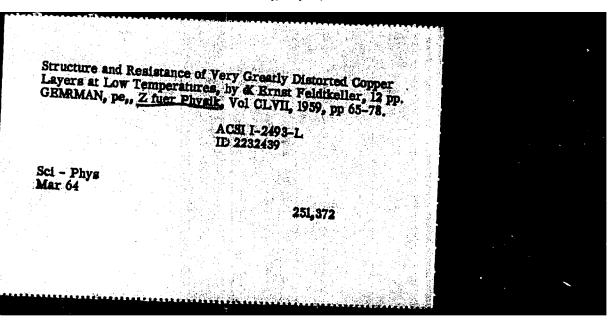
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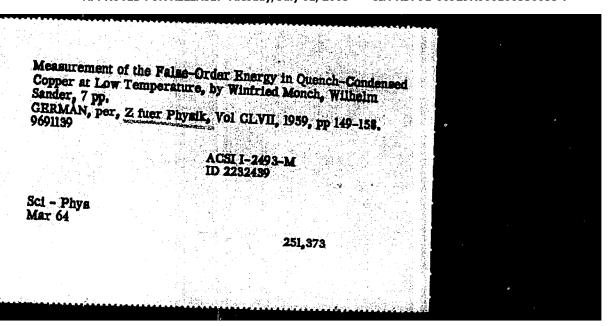
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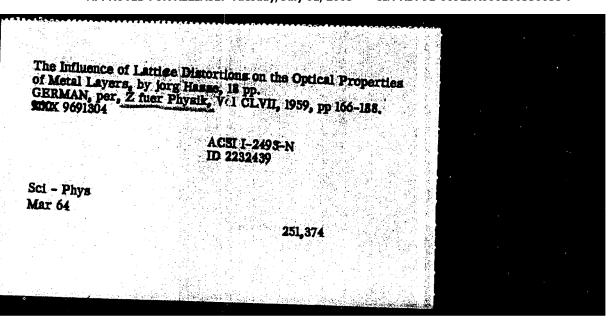
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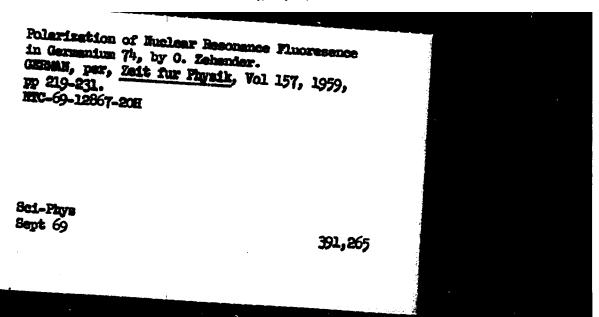
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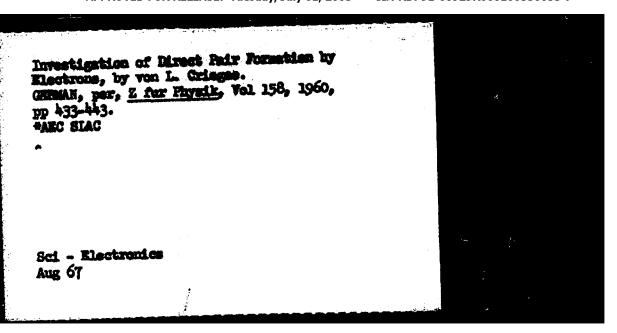
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Measurement With a Crystal Spectrometer of Some Soft Gamma Lines in the Neutron Capture in Europium, by Otto Schult, 48 pp.

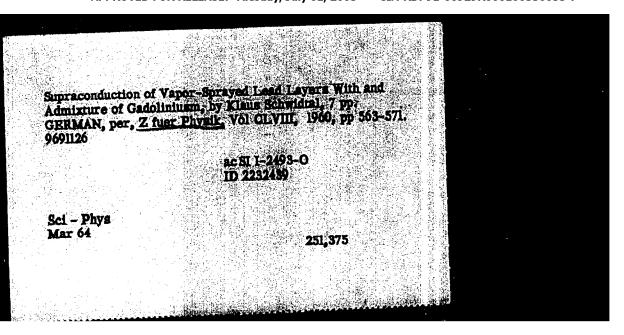
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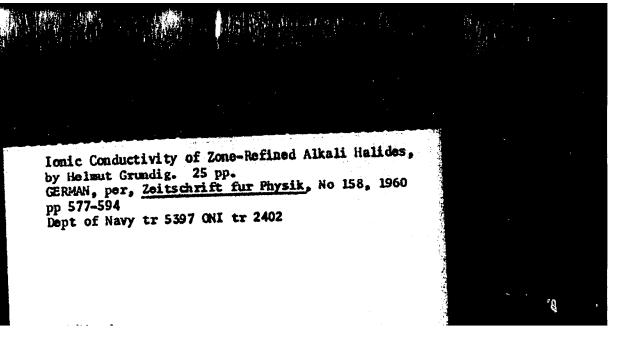
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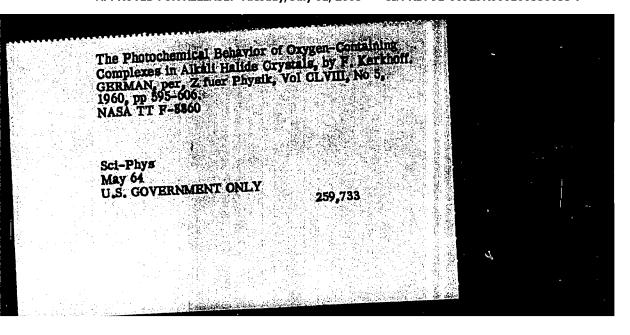
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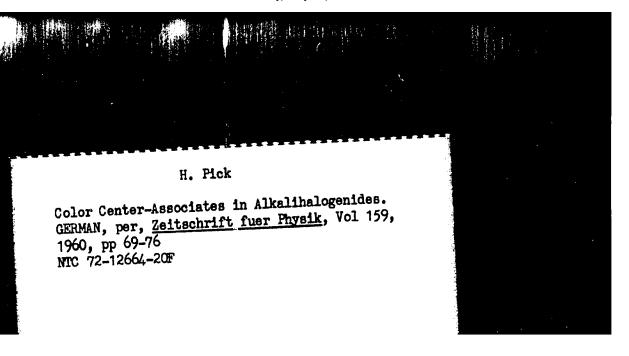
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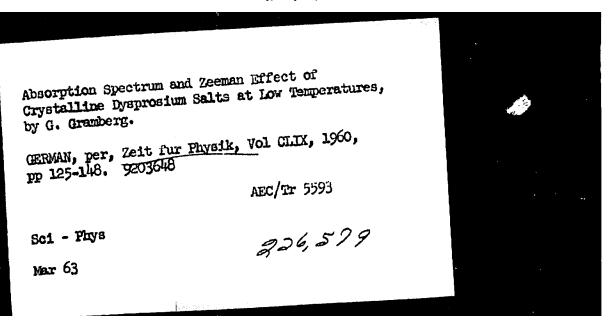
SLA 60-18071

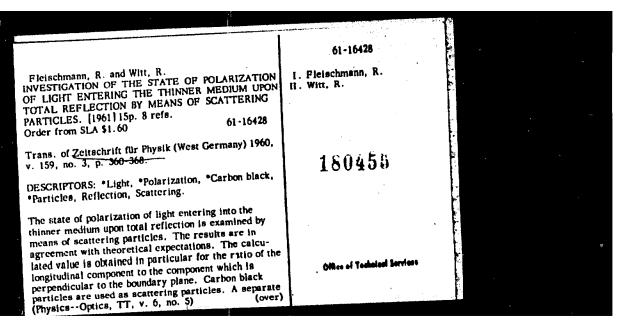
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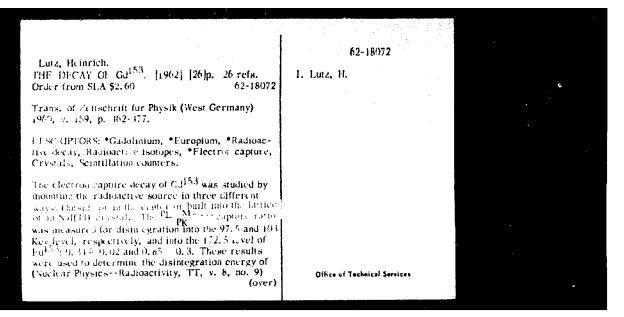
Investigations of Drift Pair Formation by Electrons, by L. Creigee.
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NTC 71-12955-20H

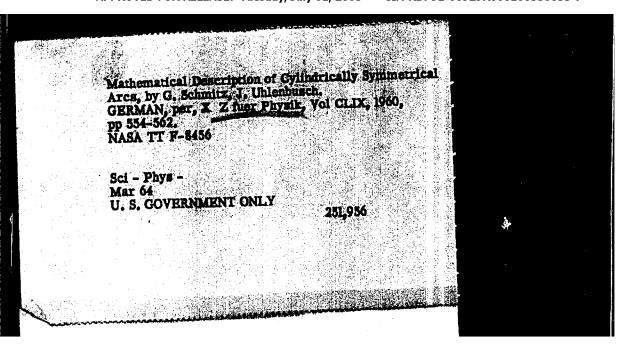
Properties of Ag Se Layers, by W. Sander. GERMAN, per, Zeitschrift fuer Physik, Vol 159, 1960, pp 456-461.

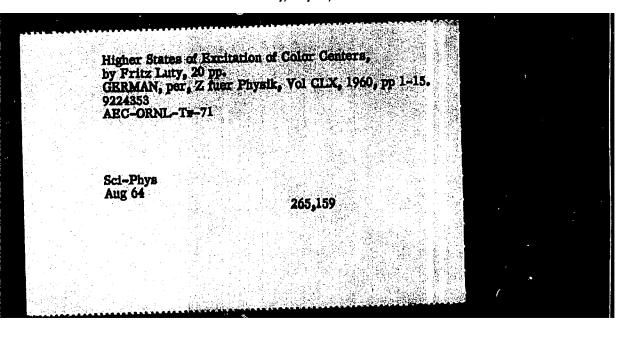
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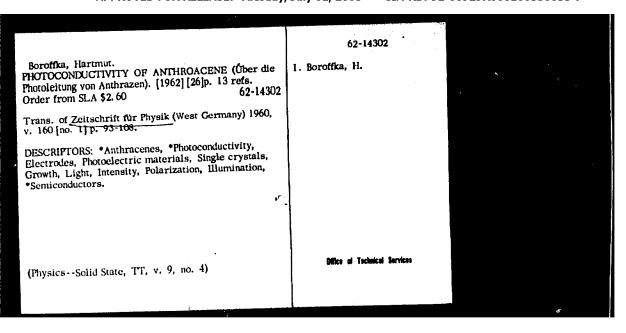
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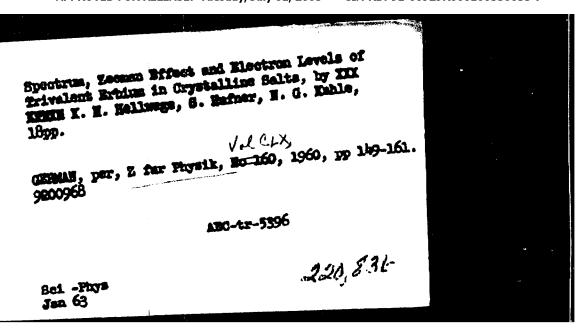
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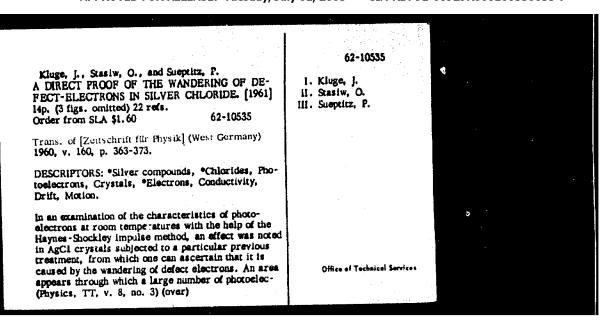
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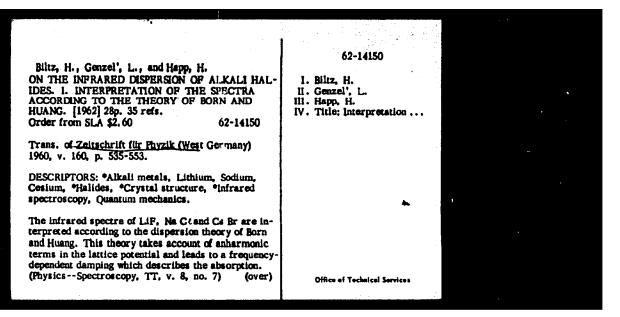
FIXATION D'ATOMES RADIOACTIFS SUR DES AÉROSOLS. (Fixation of Radioactive Atoms on Aerosols). Lars Lassen and Guenter Rau. Translated into French from Z. Physik, 160: 504-19(1960);

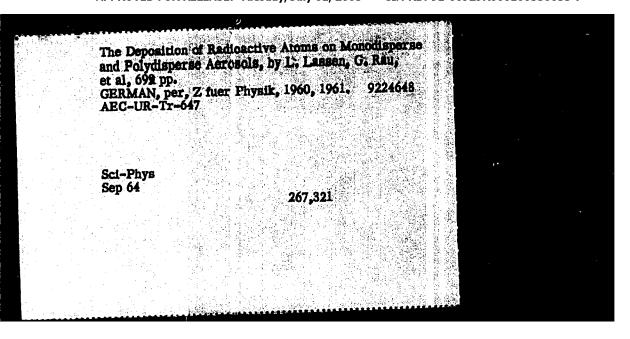
Chemistry; Physics; Translations MC-4

C-4 NP NSA Dep.(mc); \$3.60(fs), \$1.19(mf)

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33p.





APPROVED FOR RELEASE: Tuesday, July 01, 2003

CIA-RDP91-00929R000100330053-7

Gobrecht, H. and Tausend, A. OPTICAL PROPERTIES AND BAND MODEL OF SELENIUM. Nov 61, 25p. 36 refs. Order from SLA \$2.60 63-10917

Trans. of Z[cirschrift ffir] Physik G_i^* est Germany) 1961, v. 161, γ . 205-220.

DESCRIPTION: *Selenium, Glass, Crystals, *Optical properties, Octormination, *Crystal structure, Models (Simulations).

The optical constants of amorphous selenium and of single crystal selenium were measured between 0.4 and 23 nucrons. Characteristic bands were found which depended on the orientation of the E-vector with respect to the crystallographic Z-axis. A band model of both forms of selenium is described on the basis of the measurements and some theoretical work. (Author) (Physics--Solid State, TT, v. 10, no. 2)

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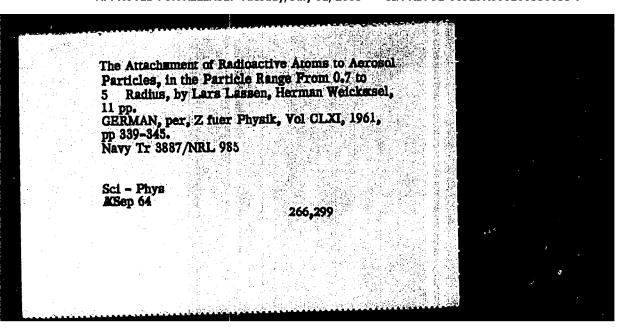
Bonse, U.

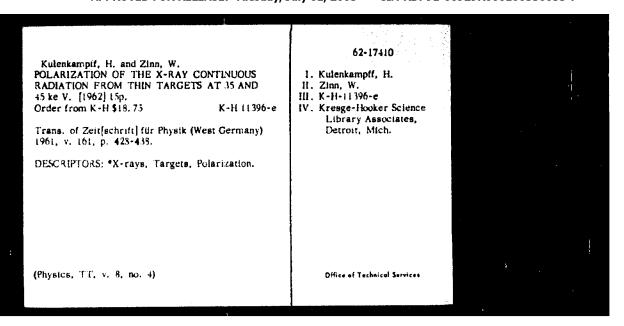
MEASUREMENTS OF ANOMALOUS TRANSMISSION
AND X-RAY REFLECTION ON HIGH-QUA'LTY
GERMANIUM SINGLE CRYSTALS IN THE BRAGG
CASE OF INTERFERENCE: COMPARISON WITH THE
DYNAMIC THEORY OF X-RAY INTERFERENCES.
[1962] [32]p. 33 refs.
Order from SLA \$3.60

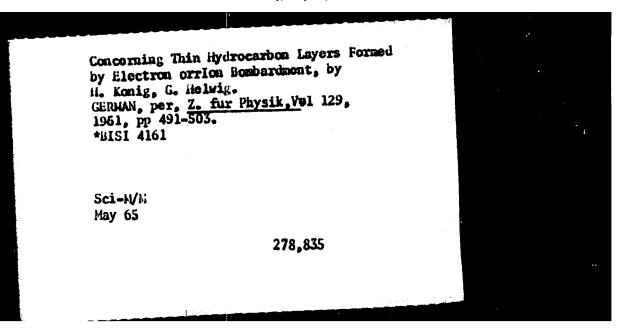
Trans. of Zeitschrift für Physik (West Germany) 1961,
v. 161, no. 3, p. 310-329.

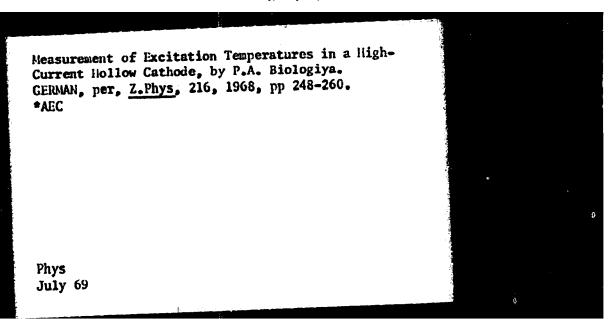
DESCRIPTORS: *Single crystals, *Germanium, X-ray
diffraction analysis, Transmission, Reflection,
Interference, Dynamics, Theory.

(Physics--Solid State, TT, v. 9, no. 3)









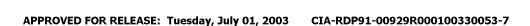
Dissociation and Charge Exchange of Hydrogen and Deuterium Molecules During Passage Through Hydrogen, by Albert Schmid. 15 pp.

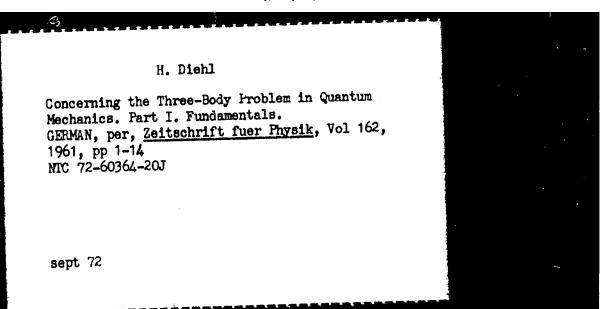
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Focusaing Sequences of 110-Collisions in Face-Centered Cubic Crystals at Small Angles, by C. Lehmann, G. Leibfried, 23 Pp.

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AEC-AI-Tr-24 (9220424) 197,842

Superconductivity Experiments in the Niobium - Tin System and in the Nb3Sn- Ta3Sn Mixed Crystal System, by H. G. Jansen, 21 pp.

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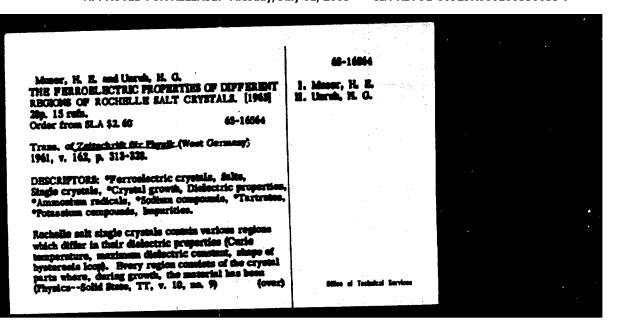
Theory of Molecular Beam Formation With Long Channels, by Gerhard Becker, 24 yp.

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DARK CONDUCTIVITY AND THE GREEN LUMINESCENCE C. Zeo-CRYSTALS. [1964] 11p
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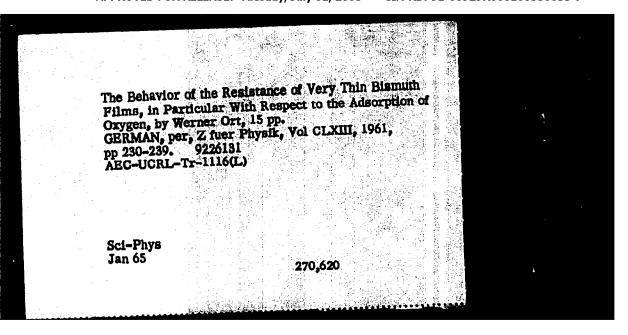
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Determination of the Absorption Coefficient and the Befractive Index for Collaidel Gold, by H. Romer, C. V. Fragstein. OFFICE OF THE PROPERTY NO. 163, 1961, pp 27-43. MLL Bef:9022.81 (2578) Sci-Chem 401,485 Peb 70

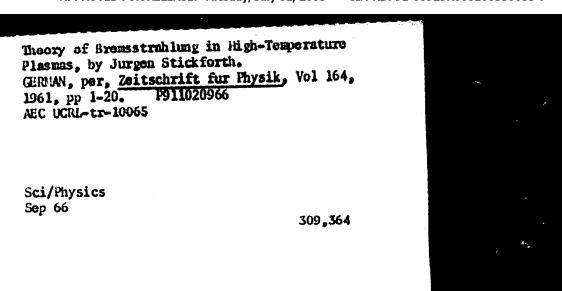


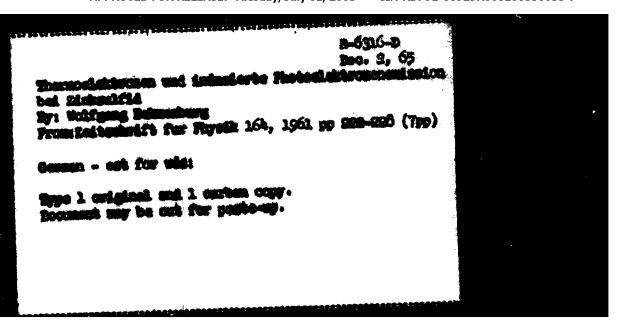
The Microfield in a Plasma, by K. Hunger, R. W. Larenz.

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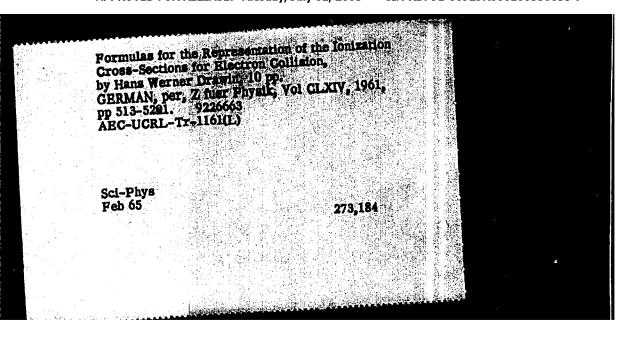


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ENERGY OF QUENCHING CONDENSED METAL FILMS AT LOW
TEMPERATURE. Moench, Winfried. Translated for Univ. of
California, Lawrence Radiation Lab., Berkeley, from Z. Phys.;
164: 229-42(1961). 18p.

physics (solid-state); translations

ND-34 P RC

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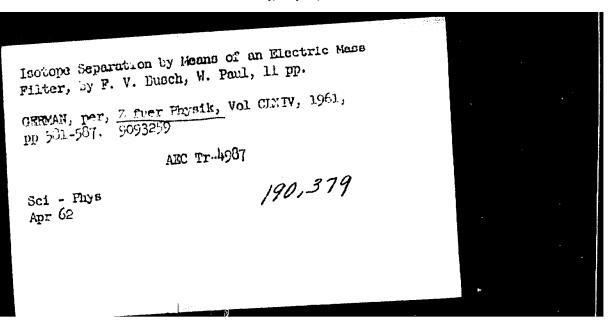


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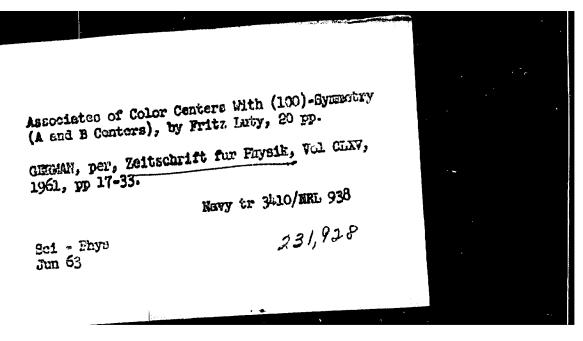


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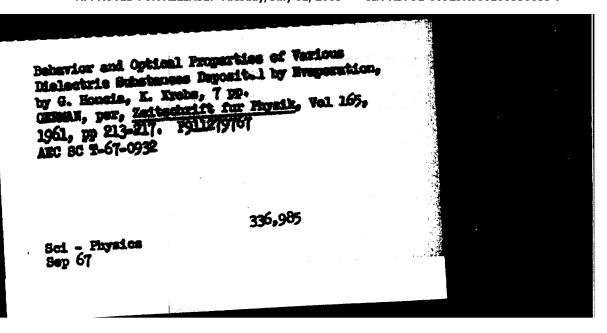
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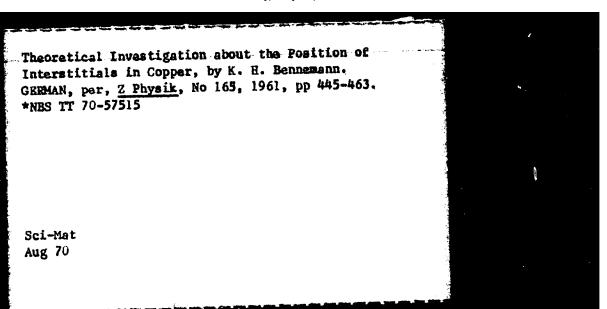


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