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Bibliography
for
Thermal Neutron Scattering
(Third Edition, 1971)

November 1971

日本原子力研究所
Japan Atomic Energy Research Institute

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Bibliography for Thermal Neutron Scattering

(Third Edition, 1971)

The Thermalization Group*, Japanese Nuclear Data Committee
Japan Atomic Energy Research Institute

Received August 25, 1971

Summary

The Thermalization Group of Japanese Nuclear Data Committee has continued the compilation and publication of the bibliography for thermal neutron scattering. The first and second editions of the bibliography (JAERI 4043) have been already published. This is the third edition which contains nearly 1300 articles, including the first and second edition and all additions collected by the group members until June, 1971. These articles are needed for the data evaluation which is one of the main activities of the committee.

* Group Members:

J. CHIHARA: Japan Atomic Energy Research Institute, Y. GOTOH: Japan Atomic Energy Research Institute, S. IJIMA: Nippon Atomic Industry Group Co., Ltd., M. Izumi: Japan Atomic Energy Research Institute, M. KADOTANI: C. Itoh Electronic Computing Service Co., Ltd., K. MATSUOKA: Hitachi Ltd., Y. NAKAHARA: Japan Atomic Energy Research Institute, R. NAKASIMA: Hosei University, I. OTAKE: Fuji Electric Co., Ltd., M. SAKAMOTO: Japan Atomic Energy Research Institute, T. SEKIYA: Osaka University

熱中性子散乱文献集

(第3版, 1971)

茨城県那珂郡東海村 日本原子力研究所
シグマ研究委員会・熱化グループ*

1971年8月25日受理

要　　旨

シグマ研究委員会の熱化グループでは熱中性子の散乱断面積の測定および計算に関連ある文献の収集を進めるとともに、文献目録の編集と出版を行なっている。この報告はこれまでに出版された第2版 (JAERI 4043) に続く第3版であり、第1版、第2版に集録した文献も含め 1971年6月までにグループ員により集められた約 1300 件の文献を計算機により物質別に分類した文献目録である。これらの文献は熱中性子散乱断面積の評価に役立つだけでなく熱中性子による物性の研究の分野においても有用なものである。

* 热化グループ・メンバー：

千原順三：日本原子力研究所，後藤頼男：日本原子力研究所，飯島俊吾：日本原子力事業株式会社，飯泉仁：日本原子力研究所，角谷浩享：伊藤忠電子計算サービス株式会社，松岡謙一：日立製作所，中原康明：日本原子力研究所，中島竜三：法政大学，大竹巖：富士電機株式会社，坂本正誠：日本原子力研究所，関谷全：大阪大学

Bibliography for Thermal Neutron Scattering

(Third Edition, 1971)

The Thermalization Group
Japanese Nuclear Data Committee

Introduction

The compilation and publication of the bibliography for thermal neutron scattering have been continued by the Thermalization Group of Japanese Nuclear Data Committee. It contains the references to the literatures not only on measurements and calculations of thermal neutron scattering cross sections, but also on the basic studies of lattice, fluid and molecular dynamics in so far as it is concerned with thermal neutron scattering. However, references on the magnetic scattering of thermal neutrons and the structure analysis by the neutron diffraction are excluded from this bibliography. It covers literatures published on journals, conference proceedings, report series and books.

This is the third edition of "Bibliography for Thermal Neutron Scattering" and contains nearly 1300 literatures collected by the group member until June 1971. They were ordered and classified by the computer system.

Arrangement

The overall arrangement of the bibliography contains two lists indicated by the table of contents.

List of Reference Numbers and Key Words

In this list, every article is listed under each kind of materials for which it contains pertinent information. This is an index by species of materials of every relevant article. Thus when any one article reports on a number of materials, it is listed for each material respectively. The material name is ordered alphabetically in each of six groups which are GENERAL ARTICLES, MONATOMIC ELEMENTS, ALLOYS, INORGANIC COMPOUNDS, ORGANIC COMPOUNDS and ADSORPTION AND SOLUTIONS. Each entry contains a reference number (69MA03, 70BR15), which identifies the article in the list of reference, the names of first two authors and key words which simply describe the article.

List of References

This is a bibliography of all articles, ordered by year of publication and last name of the first author (reference numbers). Each entry contains names of authors, title, reference and key words.

Acknowledgment

The compilers would like to express gratitude to Mr. Y. Inami who developed all of the computer programmes for the reference lists. In addition, they would like to thank Mr. M. Furuya, for many helpful comments and suggestions.

Compilers: M. Sakamoto
J. Chihara

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 63-SI-02 SINGWI REVIEW-ARTICLES ..THEORY ..MOESSBAUER EFFECT
 63-WO-03 WOODS REVIEW-ARTICLES ..LATTICE DYNAMICS/ SOLID/ EXPERIMENT ..NEUTRON SPECTROMETRY
 64-BR-01 BROCKHOUSE, WOODS* REVIEW-ARTICLES ..EXPERIMENT/ SOLID/ LIQUID
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 64-NI-02 NIJBORE, KOKKEDEE REVIEW-ARTICLES ..SCATTERING THEORY/ SOLID/ LIQUID ..(THIS IS TRANSLATED FROM NED: TIJD'S
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 66-WI-01 WILLIAMS REVIEW-ARTICLES ..BOOK
 67-BE-04 BEYSTER, NEIL REVIEW-ARTICLES
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 61-BA-01 RAYM NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ LATTICE DYNAMICS/ SCATTERING FUNCTION
 61-EL-01 ELLIOTT, STERN NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SOLID ..PHONON LIFE-TIME
 61-KR-01 KRIEGER NEUTRON-SCATTERING-IN-SOLIDS ..THEORY
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 61-SC-01 SCATTERTAR NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ SCATTERING FUNCTION
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 63-HA-02 HAHN NEUTRON-SCATTERING-IN-SOLIDS ..ANHARMONICITY/ THEORY
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 64-MA-02 MARTIN NEUTRON-SCATTERING-IN-SOLIDS ..SOLID/ THEORY
 64-PE-01 PERETTI, JOUANIN NEUTRON-SCATTERING-IN-SOLIDS ..SCATTERING THEORY ..POINT DEFECT
 65-AK-01 AKCASU, OSBORN NEUTRON-SCATTERING-IN-SOLIDS ..THEORY/ ANHARMONICITY
 65-CO-02 COCHRAN NEUTRON-SCATTERING-IN-SOLIDS ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..METAL
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 68-JA-03 JANIK NEUTRON-SCATTERING-IN-SOLIDS/ NEUTRON-SCATTERING-IN-FLUIDS ..SCATTERING BY MOLECULES/ LECTURES
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 66-TV-01 IVANOV NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ MOLECULAR DYNAMICS ..QUASI-ELASTIC SCATTERING
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 68-SM-02 SHIMIZU NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ FREQUENCY DISTRIBUTION/ CORRELATION FUNCTION/ LIQUID/ MO
 68-SI-02 SINGWI, SKOFELD NEUTRON-SCATTERING-IN-FLUIDS ..AR ..THEORY/ LIQUID/ MOLECULAR DYNAMICS
 68-SI-03 SINGWI NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID DYNAMICS/ LECTURE NOTE
 68-SY-01 SYKES NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ SCATTERING LAW/ DISPERSION RELATION/ THEORY
 69-AG-01 AGRAWAL, YIP NEUTRON-SCATTERING-IN-FLUIDS ..CROSS SECTION EVALUATION/ LIQUID ..MOLECULAR LIQUID
 69-CH-02 CHUNG, YIP NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ CORRELATION FUNCTION/ LIQUID
 69-HJ-01 HUBBARD, BEEBY NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID
 69-NE-01 NELKIN NEUTRON-SCATTERING-IN-FLUIDS ..LIQUID/ THEORY/ CORRELATION FUNCTION/ STATISTICAL MECHANICS ..RPA
 69-NE-02 NELKIN NEUTRON-SCATTERING-IN-FLUIDS ..THEORY
 69-OR-01 ORTOLEVA, NELKIN NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID ..AUTO-CORRELATION FUNCTION/ SINGLE PARTICL
 70-LA-01 LADO NEUTRON-SCATTERING-IN-FLUIDS ..VLASOV EQUATION/ THEORY ..TIME-DEPENDENT DIRECT CORRELATION FUNCT
 70-OR-01 ORTOLEVA-JR NEUTRON-SCATTERING-IN-FLUIDS ..VLASOV EQUATION/ THEORY
 70-OR-02 ORTOLEVA, NELKIN NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ VLASOV EQUATION/ COLLECTIVE MODES

1. 4 THEORY-OF-SOLID(S)

58-SJ-01 SJOELANDER THEORY-OF-SOLID(S) ..THEORY/ SOLID/ LATTICE DYNAMICS ..SCATTERING CROSS SECTION
 63-BA-03 BARRON, LEADBETTER THEORY-OF-SOLID(S) ..DEBYE-WALLER FACTOR/ THEORY
 63-CO-02 COCHRAN, COWLEY THEORY-OF-SOLID(S) ..LATTICE DYNAMICS/ THEORY
 63-SB-02 SQUIRES THEORY-OF-SOLID(S) ..INTERATOMIC FORCE CONSTANTS/ DISPERSION RELATION/ THEORY/ SOLID ..CUBIC CRYSTAL
 64-BA-01 BAYM THEORY-OF-SOLID(S) ..SCATTERING LAW
 65-CH-01 CHAMPIER, TOUSSAINT THEORY-OF-SOLID(S) ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 65-CO-01 COCHRAN THEORY-OF-SOLID(S) ..DISPERSION RELATION/ THEORY/ SOLID
 65-CO-04 COWLEY, COWLEY THEORY-OF-SOLID(S) ..ANHARMONICITY/ THEORY ..ALKALI HALIDE
 65-CZ-01 CZACHOR THEORY-OF-SOLID(S) ..LATTICE DYNAMICS/ DISPERSION RELATION/ THEORY/ SOLID ..HEXAGONAL CLOSED PACK

65-DI-01 DICK THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 65-HA-05 HARRISON THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 65-JO-01 JOSHI, SHARMA THEORY-OF-SOLID(S) :: THEORY/ SOLID/ LATTICE DYNAMICS
 65-KA-01 KAGAN, ZHERNOV THEORY-OF-SOLID(S) :: THFORY/ SOLID/ LATTICE DYNAMICS
 65-LA-03 LAX THEORY-OF-SOLID(S) :: THEORY
 65-LF-01 LEHMAN, WOLFRAM+ THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 65-MA-03 MARADUDIN THEORY-OF-SOLID(S) :: ANHARMONICITY/ THEORY +HELMHOLTZ FREE ENERGY
 65-PA-03 PATHAK THEORY-OF-SOLID(S) :: ANHARMONICITY/ DISPERSION RELATION/ THEORY +GREEN FUNCTION
 65-RO-03 ROSENSTOCK THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 65-SI-02 SINGH, MANI+ THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS :: ALKALI METAL
 65-SR-01 SRINIVASAN, RAO THEORY-OF-SOLID(S) :: THEORY/ SOLID/ LATTICE DYNAMICS
 65-SR-02 SRIVASTAVA THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS :: ELECTRON-PHONON INTER
 65-SU-02 SUNAKAWA, / FUKUI THEORY-OF-SOLID(S) :: PSEUDOPOTENTIAL
 66-BL-01 BLANK, KÄNER THEORY-OF-SOLID(S) :: THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS/ SOLID :: METAL
 66-CZ-01 CZACHOR THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ THEORY/ SOLID/ DISPERSION RELATION :: METAL
 66-DF-01 DELTOUR THEORY-OF-SOLID(S) :: BORN-VON KARMAN MODEL/ FREQUENCY SPECTRUM/ THEORY :: MOMENT METHOD/ MONTE CAR
 66-GI-01 GILAT, RAUBENHEIMER THEORY-OF-SOLID(S) :: FREQUENCY DISTRIBUTION/ SOLID/ THEORY :: EXTRAPOLATION METHOD
 66-MA-01 MAHAN THEORY-OF-SOLID(S) :: THEORY +ELECTRON-PHONON INTERACTION
 66-MI-01 MINTS THEORY-OF-SOLID(S) :: SOLID/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS :: DISORDERED LINEAR CHAIN
 66-NU-01 NUSIMOVICI, BIRMAN THEORY-OF-SOLID(S) :: DISPERSION RELATION/ BORN-VON KARMAN MODEL/ THEORY :: SUM RULE/ WURTZ
 66-PA-02 PAYTON THEORY-OF-SOLID(S) :: HARMONIC APPROXIMATION/ THEORY
 66-PA-03 PAYTON, VISSCHER THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ THEORY :: DISORDERED HARMONIC
 66-RA-05 RASHBA THEORY-OF-SOLID(S) :: THEORY/ MOLECULAR DYNAMICS
 66-SA-04 SÄUER THEORY-OF-SOLID(S) :: MOLECULAR DYNAMICS/ SOLID
 66-SL-01 SLATER THEORY-OF-SOLID(S) :: THEORY +ELECTRON BAND/ GREEN FUNCTION
 67-BA-03 BARKER-JR, VERLFSER THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ THEORY
 67-DE-01 DEPLANTE THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION :: CUBIC METAL/ KOHN EFFECT
 67-MA-01 MARSTON, DICK THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ THEORY
 67-OV-01 OVERTON-JR, SCHUCH THEORY-OF-SOLID(S) :: THEORY
 67-PA-04 PATHAK, DEO THEORY-OF-SOLID(S) :: SOLID/ LATTICE DYNAMICS :: ANHARMONIC EFFECT
 67-WA-01 WÄGNER THEORY-OF-SOLID(S) :: THFORY/ LATTICE DYNAMICS
 68-CH-02 CHEVEAU THEORY-OF-SOLID(S) :: THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION :: METAL
 68-CO-06 COHEN, MARTIN+ THEORY-OF-SOLID(S) :: LATTICE DYNAMICS :: FORCE CONSTANTS
 68-DE-03 DEL TOUR THEORY-OF-SOLID(S) :: FREQUFNCY DISTRIBUTION/ THEORY/ SOLID :: CONTINUED FRACTION/ LINEAR CHAIN
 68-HA-04 HÄRTMANN THEORY-OF-SOLID(S) :: THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION :: ALLOY/ IMPURITY EFFECT/ DOUB
 68-HA-05 HAUTECLER, NEVE-DE-MEVERGNIES, THEORY-OF-SOLID(S) :: LATTICE DYNAMICS :: METAL/ HEXAGONAL STRUCTURE
 68-HO-01 HO THEORY-OF-SOLID(S) :: NA, K :: DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
 68-IY-01 IYENGAR THEORY-OF-SOLID(S) :: LATTICE DYNAMICS :: LECTURE NOTE
 68-KA-01 KAGAN, BROWMAN THEORY-OF-SOLID(S) :: LATTICE DYNAMICS :: METAL/ ELECTRON CONTRIBUTION
 68-KO-03 KOTHARI, SINGAL THEORY-OF-SOLID(S) :: THEORY/ LATTICE DYNAMICS
 68-LE-01 LEIRFRIED THEORY-OF-SOLID(S) :: LECTURE NOTE
 68-MA-01 MANNHEIM THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ THEORY
 68-SI-04 SINHA THEORY-OF-SOLID(S) :: THEORY/ LATTICE DYNAMICS :: METAL
 68-WA-01 WAGNER THEORY-OF-SOLID(S) :: THEORY/ LATTICE DYNAMICS
 69-AU-01 AUGST, ZHERNOV THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ IMPURITY EFFECT
 69-CA-01 CARROTTE, DYNES+ THEORY-OF-SOLID(S) :: FORCE CONSTANTS ARE TAKEN FROM EXPERIMENTAL DISPERSION CURVES+ ELECTRO
 69-GA-01 GARCIA-COLIN, KOO THEORY-OF-SOLID(S) :: CRITICAL BEHAVOUR/ SCALING LAW
 69-GI-01 GILAT THEORY-OF-SOLID(S) :: LATTICE DYNAMICS :: ACCIDENTAL DEGENERACIES/ CUBIC CRYSTAL
 69-LE-04 LEATH, GOODMAN THEORY-OF-SOLID(S) :: FREQUENCY SPECTRUM/ THEORY/ GREEN FUNCTION
 69-MA-02 MARADUDIN, OITMAA THEORY-OF-SOLID(S) :: THEORY/ SOLID/ LATTICE DYNAMICS :: IMPURITY VIBRATION
 69-OI-01 OITMAA, MARADUDIN THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ IMPERFECT CRYSTAL :: CRYSTAL WITH EXTENDED POINT DEF
 69-RA-01 RANNINGER THEORY-OF-SOLID(S) :: CORRELATION FUNCTION/ SECOND SOUND :: CRYSTAL LATTICE
 69-SH-01 SHARAN, BAJPAI THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ FORCE CONSTANT/ ELASTIC CONSTANT :: BODY CENTRFD TETRAG
 69-SI-01 SINHA THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ SOLID/ THEORY
 69-TO-01 TONG, MARADUDIN THEORY-OF-SOLID(S) :: THEORY
 69-WU-01 WU, TAYLOR THEORY-OF-SOLID(S) :: THEORY/ FREQUENCY SPECTRUM/ CHAIN
 70-AC-01 ACHAR, BARSH THEORY-OF-SOLID(S) :: THEORY :: DEFECT/ LOCALIZED MODE
 70-ID-01 IDA THEORY-OF-SOLID(S) :: ANHARMONICITY/ HEAT CAPACITY
 70-JO-01 JOHNSON THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ THEORY
 70-KE-04 KERR, SJÖELANDER THFORY-OF-SOLID(S) :: LATTICE DYNAMICS
 70-KU-02 KUSHWAHA, RAJPUT THEORY-OF-SOLID(S) :: NA, K :: PHONON DISPERSION CURVE/ METAL/ BCC
 70-SI-01 SIKLOS THEORY-OF-SOLID(S) :: THEORY/ ANHARMONICITY :: LINEAR CHAIN/ PSEUDOHARMONIC APPROXIMATION/ MORSE PO
 70-SI-02 SIKLOS THEORY-OF-SOLID(S) :: THEORY/ SOLID/ ANHARMONICITY :: PSEUDOHARMONIC APPROXIMATION/ MORSE POTENTIAL
 70-SI-03 SINGH, JOSHI THEORY-OF-SOLID(S) :: DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS :: PSEUDOPOTENTIAL/ ME
 70-SL-01 SLAGGIE THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ SOLID
 70-TA-01 TAYLOR, WU THEORY-OF-SOLID(S) :: GLASS/ DISORDERED LATTICE/ FREQUECY SPECTRUM :: AMORPHOUS
 70-WE-02 WERTHAMER THEORY-OF-SOLID(S) :: LATTICE DYNAMICS/ ANHARMONICS :: PRESSURE/ ELASTIC CONSTANT/ SPECIFIC HEAT
 71-NA-01 NAMJOSHI, MITRA+ THEORY-OF-SOLID(S) :: NA,F/ NA,CL :: LATTICE DYNAMICS/ DISPERSION RELATION/ RIGID ION MODEL US

1. 5 THEORY-OF-FLUIDS

61-RI-01 RICÉ, ALLNATT THEORY-OF-FLUIDS :: LIQUID DYNAMICS
 63-DE-01 DE-BAR THEORY-OF-FLUIDS :: THEORY/ CORRELATION FUNCTION/ CRYSTAL/ LIQUID
 63-KA-01 KADANOFF, MARTIN THFORY-OF-FLUIDS :: LIQUID/ CORRELATION FUNCTION
 64-NO-01 NOSSAL THEORY-OF-FLUIDS :: THEORY/ LIQUID
 65-WE-01 WINSTOCK THEORY-OF-FLUIDS :: AUTOCORRELATION FUNCTION
 66-DE-05 DESAI THEORY-OF-FLUIDS :: GAS/ CORRELATION FUNCTION/ THEORY :: NON-GAUSSIAN CORRECTION/ MONATOMIC GAS
 66-EF-01 EFROS THEORY-OF-FLUIDS :: THEORY/ LIQUID :: SELF-DIFFUSION
 66-ZW-01 ZWANZIG THEORY-OF-FLUIDS :: STATISTICAL MECHANICS/ GAS/ LIQUID/ SOLID/ THEORY :: LIOUVILLE OPERATOR
 67-BF-02 BERNE, FRISCH THEORY-OF-FLUIDS :: LIQUID/ THEORY :: HIGH-FREQUENCY RFSPONE
 67-BO-01 BOON, RICE AR/ THEORY-OF-FLUIDS :: THEORY/ LIQUID :: MOMENTUM AUTO-CORRELATION FUNCTION
 67-LE-01 LEBOWITZ, PERCUS THEORY-OF-FLUIDS :: LIQUID DYNAMICS
 67-SC-02 SCHCROFT, MARCH THEORY-OF-FLUIDS/ AR :: THEORY
 67-SI-02 SINGWI, TOSI THEORY-OF-FLUIDS/ ARGON :: THEORY/ LIQUID :: VELOCITY AUTO-CORRELATION
 68-DA-02 DAMLE, SJÖELANDER+ THEORY-OF-FLUIDS :: LIQUID/ FREQUENCY SPECTRUM/ THEORY :: ITINERANT-OSCILLATOR-MODEL
 68-FO-01 FORSTER, MARTIN THEORY-OF-FLUIDS :: LIQUID/ THEORY/ CORRELATION FUNCTION :: FOURTH-FREQUENCY-MOMENT/ SUM RUL
 68-FO-02 FORSTER, MARTIN+ THEORY-OF-FLUIDS :: LIQUID/ CORRELATION FUNCTION :: ARGON/ VISCOSITY/ MOMENT METHOD
 68-KE-01 KERR THEORY-OF-FLUIDS :: LIQUID/ CORRELATION FUNCTION/ THEORY
 68-MA-03 MARCH THEORY-OF-FLUIDS :: LECTURE NOTE/ SCATTERING FUNCTION
 68-ST-02 STECKI, WOJNAR THEORY-OF-FLUIDS :: GAS/ THEORY/ CORRELATION FUNCTION
 69-LF-05 LEBOWITZ, PERCUS+ THEORY-OF-FLUIDS :: THEORY/ CORRELATION FUNCTION
 70-AK-01 AKCASU, DANIELS THEORY-OF-FLUIDS :: THEORY/ LIQUID :: GENERALIZED LANGEVIN EQUATION/ CURRENT-CURRENT CORREL
 70-HA-01 HARP, BERNE THEORY-OF-FLUIDS :: THEORY/ LIQUID/ MOLECULAR DYNAMICS :: MEMORY FUNCTIONS/ TIME CORRELATION FUN
 70-KA-04 KAWASAKI THEORY-OF-FLUIDS :: CORRELATION FUNCTION
 70-RO-01 ROTHSCHILD THEORY-OF-FLUIDS :: LIQUID/ THEORY

1. 6 SCATTERING-THEORIES

52-PL-01 PLĄCZEK SCATTERING-THEORIES :: TOTAL AND DIFFERENTIAL CROSS SECTION
 54-VI-01 VINEYARD SCATTERING-THEORIES :: THEORY/ MULTIPLE SCATTERING
 58-EG-01 EGELSTAFF RE/ MG/ SCATTERING-THEORIES :: THEORY/ EXPERIMENT/ SOLID/ SIGMA(E, E-PRIME, THETA)/ SIGMA(E) ::
 60-NE-01 NELKIN SCATTERING-THEORIES :: SIGMA(E) :: DOPPLER-BROADENING OF ABSORPTION RESONANCE/ SLOW NEUTRON SCATT

Bibliography for Thermal Neutron Scattering

60-SC-01 SCHOFIELD SCATTERING-THEORIES ..SCATTERING THEORY
 60-V0-01 VOLKIN SCATTERING-THEORIES ..MOLECULAR DYNAMICS/ THEORY/ SIGMA(E, E-PRIME, THETA) ..MOLECULAR ROTATOR
 61-EG-03 EGELSTAFF SCATTERING-THEORIES ..SCATTERING THEORY ..DATA TREATMENT
 61-EG-04 EGELSTAFF SCATTERING-THEORIES ..SCATTERING THEORY/ SCATTERING FUNCTION
 61-MC-01 MCLATCHIE, HEARD+ SCATTERING-THEORIES ..SCATTERING LAW/ DEBYE APPROXIMATION/ SOLID/ LIQUID/ THEORY
 61-SC-02 SCHOFIELD SCATTERING-THEORIES ..SCATTERING THEORY ..SPACE-TIME CORRELATION FUNCTION
 61-TU-02 TURNER SCATTERING-THEORIES ..THFORY/
 62-AA-01 AAMODT, CASE+ SCATTERING-THEORIES ..SCATTERING THEORY
 62-EG-03 EGELSTAFF, SCHOFIELD SCATTERING-THEORIES/ H2O/ PR ..EXPERIMENT/ THEORY/ LIQUID/ DIFFUSION PARAMETER ..ROO
 62-FE-01 FERZIGAR, LEONARD SCATTERING-THEORIES ..THEORY/ DIFFRACTION
 62-MC-03 McMURRY SCATTERING-THEORIES ..THEORY/ MOLECULAR ROTATIONS/ MOLECULAR VIBRATIONS/ SIGMA(E,E-PRIME,THETA)
 62-PU-01 PUROHIT, ROJAGOPAL SCATTERING-THEORIES ..SCATTERING THEORY/ SIGMA(E)
 62-PU-02 PUROHIT, ROJAGOPAL SCATTERING-THEORIES ..SCATTERING THEORY
 63-EG-02 EGELSTAFF SCATTERING-THEORIES ..SCATTERING LAW/ THEORY ..SELF TERM/ INTERFERENCE TERM
 63-PL-01 PLUMMER, SUMMERRFIELD SCATTERING-THEORIES ..THEORY
 63-RA-01 RAHMAN SCATTERING-THEORIES ..SCATTERING THEORY/ SCATTERING FUNCTION
 63-SU-01 SUMMERRFIELD, ZWEIFEL SCATTERING-THEORIES ..SCATTERING LAW/ THEORY/ CORRELATION FUNCTION/ SCATTERING THEORY
 64-NI-01 NIJBOER, KOKKEOE SCATTERING-THEORIES ..THEORY/ LIQUID/ SOLID/ SCATTERING THEORY
 65-MA-01 MAJOROV SCATTERING-THEORIES ..SCATTERING FUNCTION
 65-RO-02 ROSENBAUM, ZWEIFEL SCATTERING-THEORIES ..SCATTERING THEORY
 66-KO-06 KOSALY, SOLT SCATTERING-THEORIES ..THEORY ..MODIFICATION OF KRIEGER-NELKIN THEORY
 66-NI-01 NIJBOER, RAHMAN SCATTERING-THEORIES ..SCATTERING FUNCTION/ CORRELATION FUNCTION/ THEORY
 66-NO-01 NOSSAL SCATTERING-THEORIES ..CORRELATION FUNCTION/ SCATTERING FUNCTION
 67-G1-01 GIBBS, LINDENMEIER SCATTERING-THEORIES ..THEORY/ CROSS SECTION EVALUATION
 67-KU-01 KURKI-JARVI SCATTERING-THEORIES ..CORRELATION FUNCTION/ THEORY
 67-PL-01 PLUMMER SCATTERING-THEORIES ..SCATTERING THEORY
 67-SL-01 SLAGGIE SCATTERING-THEORIES ..THFORY
 67-SL-02 SLAGGIE SCATTERING-THEORIES ..THEORY ..MULTIPLE SCATTERING CORRECTION
 67-SU-01 SUMMERRFIELD, ZWEIFEL SCATTERING-THEORIES ..SCATTERING THEORY/ GAS
 67-WI-01 WIGNALL SCATTERING-THEORIES ..CROSS SECTION EVALUATION/ EXPERIMENT
 68-PA-04 PAHOR SCATTERING-THEORIES ..SCATTERING THEORY ..MULTIPLE SCATTERING CORRECTION
 68-SC-03 SCHERMER, BLUME SCATTERING-THEORIES ..SOLID/ SCATTERING THEORY
 68-SU-01 SUGAWARA, YIP+ SCATTERING-THEORIES ..GAS/ FREQUENCY SPECTRUM/ THEORY ..KINETIC-THEORY
 69-KU-01 KUSCER, SUMMERRFIELD SCATTERING-THEORIES ..DETAILED-BALANCE/ THEORY
 69-SL-01 SLAGGIE SCATTERING-THEORIES ..THEORY/ SCATTERING LAW
 70-FR-01 FRIKSSON SCATTERING-THEORIES ..SCATTERING THEORY

1. 7 COMPILATIONS

62-EG-02 EGELSTAFF GRAPHITE/ H2O/ D2O/ COMPILATIONS ..SCATTERING LAW ..24DC+ 380DC+ 600DC FOR GRAPHITE/ 24DC FOR
 63-PA-02 PARKER COMPILATIONS/ COMPUTER-CODES
 66-GO-01 GOLDBERG, MUGHARGHAR+ COMPILATIONS ..SIGMA(E)

1. 8 COMPUTER-CODES

61-BE-01 BELL COMPUTER-CODES
 61-HO-01 HONECK COMPUTER-CODES
 62-MA-02 MACLATCHIE COMPUTER-CODES
 63-LI-01 LINDENMEIER, MATSUMOTO+ H2O/ POLYETHYLENE/ COMPUTER-CODES ..SCATTERING THEORY/ LIQUID/ SIGMA(E-E-PRIME,TH)
 63-MA-01 MACDOUGALL COMPUTER-CODES ..SIGMA(E-E-PRIME)/ SCATTERING LAW/ GAS/ LIQUID/SOLID/ CROSS SECTION EVALUATION
 63-PA-02 PARKER COMPILATIONS/ COMPUTER-CODES
 64-HO-01 HONECK, HUSTON+ COMPUTER-CODES ..MULTIPLE SCATTERING/ THEORY
 64-MC-01 McMURRY, GANNON COMPUTER-CODES/ H2O ..THEORY/ SCATTERING LAW/ SIGMA(E)/ SIGMA(E,E-PRIME)/ SIGMA-TRANSPORT
 64-NA-01 NALIBOFF, KOPPEL COMPUTER-CODES ..THEORY/ COHERENT/ ..POLYCRYSTAL/ FORTRAN LIST
 65-GA-01 GANNON, McMURRY C-H4/ C2-H6/ COMPUTER-CODES ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION
 65-HO-03 HONECK, NALIBOFF COMPUTER-CODES
 65-II-01 IIJIMA, TOKIZAWA COMPUTER-CODES
 65-MA-04 MATSUOKA, ARAI COMPUTER-CODES
 65-NA-02 NALIBOFF COMPUTER-CODES/ HYDROGEN ..THEORY/ LIQUID
 65-SH-07 SHIMADA COMPUTER-CODES
 66-BE-04 REVINGTON, PETITT COMPUTER-CODES ..CODE/ NEUTRON SCATTERING/ ANGULAR DISTRIBUTION
 66-KO-03 KOPPEL, TRIPPLETT+ COMPUTER-CODES ..SCATTERING FUNCTION/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS/ SCATTERING T
 66-SP-01 SPARK COMPUTER-CODES ..CDC-3600 PROGRAM
 66-ZY-01 JAPANESE NUCLEAR DATA COMMITTEE+ COMPUTER-CODES
 67-BO-02 BOYSTER, McMURRY COMPUTER-CODES ..THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS ..FORTRAN PROGRAM FOR THE I
 67-CL-01 CLENDENIN COMPUTER-CODES ..CROSS SECTION EVALUATION/ SOLID/ SCATTERING FUNCTION ..FORTRAN LIST
 67-CU-01 CURTIS, GRIMESLEY COMPUTER-CODES ..NEUTRON SPECTRUM
 67-HU-01 HUTCHINSON, SCHOFIELD COMPUTER-CODES ..SCATTERING FUNCTION ..INCOHERENT GAUSSIAN APPROXIMATION
 67-JA-02 JARVIS COMPUTER-CODES
 67-KO-03 KOPPEL, TRIPPLETT+ COMPUTER-CODES ..SCATTERING FUNCTION ..DIFFERENTIAL CROSS SECTION
 67-LI-02 LITTON COMPUTER-CODES
 67-NA-01 NAKAHARA, KATO BE/ H2O/ COMPUTER-CODES ..SOLID/ THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 67-NO-01 NOBLE, SOLBRIG-JR+ COMPUTER-CODES ..LATTICE DYNAMICS ..COHERENT SINGLE-PHONON SCATTERING OF NEUTRONS
 67-VI-01 VISSER, VAN-DER-WALT COMPUTER-CODES
 68-BI-01 BISCHOFF, MOORE+ COMPUTER-CODES ..THEORY/ SLAB SAMPLE/ TUBLER SAMPLE
 68-BO-07 BOYSTER, SOLBRIG-JR COMPUTER-CODES ..LATTICE DYNAMICS/ DISPERSION RELATION ..STRUCTURE FACTOR FOR COHERENT
 69-BO-04 BOYSTER, McMURRY+ COMPUTER-CODES ..THEORY/ SOLID/ LATTICE DYNAMICS/ INTERATOMIC FORCE CONSTANTS/ STRUCTURE
 69-BU-01 BUTLAND COMPUTER-CODES ..POLYCRYSTAL
 69-DI-01 DICKEY, PASKIN COMPUTER-CODES ..THEORY/ SOLID/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS/ ANHARMONICITY
 69-PR-03 PREVENDER COMPUTER-CODES ..LATTICE DYNAMICS/ FORCE CONSTANTS FITTING ..CS,CL TYPE CRYSTAL/ PROGRAM LIST
 69-PR-04 PREVENDER COMPUTER-CODES ..LATTICE DYNAMICS/ DISPERSION CURVES/ POLARIZATION VECTOR/ STRUCTURE FACTOR
 70-BO-01 BORGONOVI COMPUTER-CODES ..SCATTERING LAW/ SIGMA(E-E-PRIME)

1. 9 MISCELLANEOUS

60-SI-02 SINGWI, SJOELANDER MISCELLANEOUS ..THEORY/ MOESSBAUER EFFECT
 66-BE-02 BERNE, BOON+ MISCELLANEOUS ..AUTOCORRELATION FUNCTION
 66-CA-01 CANDELORO, CAST MISCELLANEOUS ..SCATTERING THEORY
 69-BL-02 BLAIN MISCELLANEOUS ..STRUCTURE FACTOR/ LIQUID/ THEORY

2 MONATOMIC ELEMENTS

2. 1 AL

ALUMINIUM

56-SQ-01 SQUIRES NEUTRON-SCATTERING-IN-SOLIDS/ AL .+THEORY/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION .+ENERGY D
 57-CA-01 CARTER, PALEVSKY+ AL .+EXPERIMENT/ LATTICE VIBRATION/ DISPERSION RELATION
 58-BR-03 BROCKHOUSE, STEWART AL .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 60-LA-02 LARSSON, DAHLBORG+ AL .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+293-932DK
 61-LA-02 LARSSON, HOLMRYD+ AL .+EXPERIMENT/ SOLID/ DISPERSION RELATION
 62-LE-01 LEHMANN, WOLFRAM+ CU/ AL/ Zr-H .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 63-SQ-01 SQUIRES AL .+LATTICE DYNAMICS/FREQUENCY SPECTRUM
 65-LA-01 LARSSON, DAHLBORG+ AL .+EXPERIMENT/ LIQUID/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
 65-SC-01 SCHMUNK, BRUGGER+ AL/ BF .+EXPERIMENT/ SCATTERING FUNCTION/ TOF/ FREQUENCY DISTRIBUTION .+POLYCRYSTAL/ COM
 65-ST-01 STEDMAN, NILSSON AL .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-ST-02 STEDMAN, NILSSON AL .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+CRYSTAL SPECTROMETER/ 80DK
 65-YA-01 YARNELL, WARREN+ AL .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 66-BR-04 BRUGGER+ METHANE/ ETHANE/ AL/ NA/ PB/ AR .+COMPILE/ SCATTERING FUNCTION
 66-EG-01 EGELESTAFF, DUFFILL+ PB/ SN/ Bi/ Zn/ Al .+EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
 66-ST-01 STEDMAN, NILSSON AL .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+3-AXIS SPECTROMETER/ 80DK/ 300DK
 67-BJ-01 BJORKMAN, LUNDqvIST+ AL .+THEORY/ LATTICE DYNAMICS
 67-CO-01 COCKING AL/ Pb/ Bi/ Rb/ Sn .+SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
 67-LA-01 LAKATOS NEUTRON-SCATTERING-IN-SOLIDS/ AL .+LATTICE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION
 67-ST-03 STEDMAN, ALMQVIST+ AL/ Pb .+LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION .+800DK FOR AL/ 500DK FOR Pb
 68-GR-01 GRIMVALL, GRIMVALL AL/ NR/ PR .+FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS .+DEBYE TEMP.
 68-SC-06 SCHNEIDER, STOLL NA/ Mg/ Al .+THEORY/ LATTICE DYNAMICS .+ELECTRONIC STRUCTURE/ METAL
 69-JH-01 JHONSON, WESTIN AL .+THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE .+METAL/ ION-ELECTRON INTERACTION MODEL
 70-BR-01 BRAUNECK, GAHN+ AL .+THEORY/ STRUCTURE FACTOR
 70-CO-04 COULTHARD SODIUM/ POTASSIUM/ ALUMINUM/ LEAD .+THEORY/ LATTICE VIBRATION/ DISPERSION RELATION .+PRESSURE
 70-GU-02 GUPTA, TRIPATHI AL .+DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS .+PSEUDOPOTENTIAL/ METAL
 70-WA-01 WALLACE AL .+THEORY/ LOCAL PSEUDOPOTENTIAL MODEL

2. 2 AR

ARGON

59-DF-01 DEGENNES NEUTRON-SCATTERING-IN-FLUIDS/ AR .+SCATTERING THEORY/ .+LIQUID DYNAMICS/ MOMENTS METHOD
 62-GI-01 GINGRICH, TOMPSON ARGON .+EXPERIMENT/ LIQUID .+X-RAY
 63-AR-02 BROCKHOUSE, BERGSMA+ SN/ H₂O/ AR/ HE .+EXPERIMENT/ LIQUID
 64-KR-01 KROG, BORGONOVIC+ AR .+EXPERIMENT/ LIQUID/ SOLID
 64-RA-01 PAHMAN AR .+THEORY/ MOLECULAR DYNAMICS .+LIQUID DYNAMICS/ DIGITAL COMPUTER SIMULATION
 65-CH-02 CHEN, EDER+ NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE .+EXPERIMENT/ LIQUID/ SIGMA(THETA,E)
 65-DA-01 DASANACHARYA, RAO AR .+EXPERIMENT/ LIQUID/ SCATTERING LAW
 65-GR-02 GRINDLAY, HOWARD AR .+THEORY/ SOLID/ LATTICE DYNAMICS
 65-KR-02 KROG, BORGONOVIC+ AR .+EXPERIMENT/ LIQUID/ DISPERSION RELATION
 65-RA-02 RANDOLPH AR .+EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION .+LIQUID AND SOLID
 65-SE-01 SEARS NEUTRON-SCATTERING-IN-FLUIDS/ AR .+LIQUID/ CORRELATION FUNCTION
 65-SI-04 SINGWI ARGON .+THEORY/ LIQUID/ SCATTERING LAW .+COHERENT SCATTERING/ ONE-PHONON APPROXIMATION
 66-DE-02 DESAI AR .+THEORY/ LIQUID/ INTERMEDIATE SCATTERING FUNCTION
 66-DF-04 DESAI, NELKIN AR .+THEORY/ LIQUID .+COLLUSIVE MOTION IN LIQUID
 66-RA-01 RAHMAN NEUTRON-SCATTERING-IN-FLUIDS/ AR .+LIQUID/ FREQUENCY DISTRIBUTION .+COMPUTER EXPERIMENT/ 85+5DK

 66-RA-02 RAHMAN AR .+FREQUENCY DISTRIBUTION/ THEORY/ LIQUID/ MOLECULAR DYNAMICS .+COMPUTER EXPERIMENT
 67-BO-01 BOON, RICE AR/ THEORY-OF-FLUIDS .+THEORY/ LIQUID .+MOMENTUM AUTO-CORRELATION FUNCTION
 67-LE-02 LEVI AR .+MOLECULAR DYNAMICS/ LIQUID/ FREQUENCY DISTRIBUTION/ THEORY
 67-MI-01 MIKOJAJ, PINGS AR .+LIQUID/ EXPERIMENT
 67-MI-02 MIKOJAJ, PINGS AR .+EXPERIMENT/ LIQUID .+RADIAL DISTRIBUTION/ -130DC--110DC/ X-RAY
 67-SC-02 SCHROFT, MARCH THEORY-OF-FLUIDS/ AR .+THEORY
 67-SI-02 SINGWI, TOSI THEORY-OF-FLUIDS/ ARGON .+THEORY/ LIQUID .+VELOCITY AUTO-CORRELATION
 67-SK-02 SKOFLD, LARSSON AR .+EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ DISPERSION RELATION .+94DK
 67-SK-04 SKOFLD AR .+LIQUID/ THEORY/ SCATTERING FUNCTION .+QUASIELASTIC SCATTERING
 68-AG-02 AGRAWAL, DESAI+ NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE .+THEORY .+MODEL CALCULATION
 68-AN-01 ANDRIESSE AR .+THEORY/ LIQUID/ SCATTERING THEORY .+84DK
 68-AN-02 ANDRUS, MUETHER+ AR .+LIQUID/ EXPERIMENT
 68-AN-03 ANDRUS, MUETHER+ AR .+SCATTERING LAW/ EXPERIMENT/ LIQUID .+BE FILTER METHOD/ 87DK/ 97DK/ 111DK/ 124DK/ 22A
 68-AN-04 ANDRUS, MUETHER+ AR .+EXPERIMENT/ TOF/ QUASI-ELASTIC
 68-AR-01 ARDENTE, NARDELL+ AR/ NA .+THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
 68-DE-04 DESAI, YIP AR .+LIQUID/ SCATTERING FUNCTION .+94+4DK
 68-GL-03 GLASS, RICE NEUTRON-SCATTERING-IN-FLUIDS/ AR .+THEORY/ LIQUID/ CORRELATION FUNCTION .+COHERENT-SCATTERING
 68-MA-09 MARTIN, YIP AR .+FREQUENCY DISTRIBUTION/ THEORY/ LIQUID/ STATISTICAL MECHANICS .+FLUCTUATION-DISSIPATION T
 68-R1-01 RICHTER, VOSS AR/ NEUTRON-SCATTERING-IN-FLUIDS .+THEORY/ LINEARIZED VLASOV-BOLTZMAN EQUATION
 68-SI-01 SINGWI, SJOLEANDER AR .+THEORY/ LIQUID/ PAIR DISTRIBUTION FUNCTION .+85+9DK
 68-SI-02 SINGWI, SKOFLD+ NEUTRON-SCATTERING-IN-FLUIDS/ AR .+THEORY/ LIQUID/ MOLECULAR DYNAMICS
 69-PA-01 PAGE, EGELESTAFF+ AR/ RB .+LIQUID/ STRUCTURE FACTOR
 69-TA-01 TAHIR-KHELI, WU AR .+CORRELATION FUNCTION/ LIQUID/ FREQUENCY DISTRIBUTION/ MEAN SQUARE DISPLACEMENT/ THEOR
 70-AN-01 ANDRIESSE AR .+INTERMEDIATE SCATTERING FUNCTION .+A NEUTRONS
 70-RA-02 BATCHELDER, COLLINS+ AR .+LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION CURVE
 70-GL-01 GLYDE NE/ AR/ KR/ XE .+THEORY/ ANHARMONICITY
 70-GO-01 GOLDMAN, HORTON+ AR .+DISPERSION CURVE/ LIFETIME / THEORY/ SELF-CONSISTENT APPROXIMATION
 70-KI-03 KITAGAWA AR/ KR/ POLYETHYLENE .+REVIEW/ LATTICE DYNAMICS
 70-LF-01 LEECH, REISSLAND NE/ AR/ KR/ XE .+THEORY/ LATTICE DYNAMICS/ ANHARMONICITY .+THERMODYNAMICAL PROPERTIES
 70-LE-02 LEECH, REISSLAND NE/ AR/ KR/ XE .+THEORY/ ANHARMONICITY .+SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS

2. 3 BE

BERYLLOIUM

51-EG-01 EGELESTAFF H/ BE/ V/ SE/ MO/ FE .+SOLID/ EXPERIMENT/ TRANSMISSION
 58-EG-01 EGELESTAFF BE/ MG/ SCATTERING-THEORIES .+THEORY/ EXPERIMENT/ SOLID/ SIGMA(E, E-PRIME, THETA)/ SIGMA(E) .+0
 62-BR-04 BRUGGER BE/ BE-O/ GRAPHITE/ H₂O/ D₂O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS .+SCATTERING FUNCTION
 62-EG-04 EGELESTAFF H₂O/ D₂O/ GRAPHITE/ BE .+SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY .+EVALUATION
 62-EG-05 EGELESTAFF MG/ BE/ PB .+THEORY/ SOLID/ LIQUID/ SIGMA(E, E-PRIME, THETA) .+METAL/ LIQUID METAL
 62-SC-01 SCHMUNK, BRUGGER+ BF .+EXPERIMENT/ SOLID/ DISPERSION RELATION
 63-SI-01 SINCLAIR BE/ BE-O .+EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ TOF .+293 DK
 64-FU-02 FULLWOOD, CAERTNER+ BE .+NEUTRON SPECTRUM/ EXPERIMENT .+TIME AND BUCKLING DEPENDENT NEUTRON SPECTRUM
 64-HA-02 HAYWOOD, SINCLAIR GRAPHITE/ BE/ BE-O .+COMPILATION/ SCATTERING FUNCTION
 64-SC-01 SCHMUNK BE .+EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION .+COHERENT SCATTERING LAW/ ROOM TEMP.
 64-YO-02 YOUNG, KOPPEL RE/ MG/ ZN .+THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS .+ROOT SAMPLING METHOD
 65-BE-01 BEYSTER, KOPPEL D₂O/ H₂O/ POLYETHYLENE/ BE .+THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
 65-DF-01 DE-WAMES, WOLFRAM+ RE/ ZN .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-SC-01 SCHMUNK, BRUGGER+ AL/ BE .+EXPERIMENT/ SCATTERING FUNCTION/ TOF/ FREQUENCY DISTRIBUTION .+POLYCRYSTAL/ COM
 65-YO-01 YOUNG, KOPPEL RE/ C/ H₂O/ D₂O/ C/H₂/ H₂/ D₂ .+THEORY/ SCATTERING FUNCTIONS/ CROSS SECTION EVALUATION
 66-AH-01 AHLERS BE .+POLYCRYSTAL/ SCATTERING LAW
 66-SA-03 SAHM, VENKATARAMAN BE .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION

66=SC-03 SCHMUNK BE ..THEORY/ SOLID/ DISPERSION RELATION ..TEST OF SUM RULE
 66=SC-04 SCHMUNK BE ..EXPERIMENT/ DISPERSION RELATION ..(0001), (0110), (1120) DIRECTION/ DATA GIVEN IN GRAPHICA
 66=YD-01 YOUNG RE/ C/ BF.O ..SCATTERING FUNCTION/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
 67-KO-02 KOPPEL, MARADUDIN RF ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..METAL
 67-KO-04 KOPPEL, YOUNG BE ..THEORY/ SOLID
 67-NA-01 NAKAHARA, KATO BE/ H2.O/ COMPUTER-CODES ..SOLID/ THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 68-BR-01 BROVMAN, KAGAN* BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS
 68-GL-01 GLAFSER H2.O/ ZR-H/ GRAPHITE/ D2.O/ BF/ RE.O ..COMPILE/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
 68-GL-02 GLAFSER H2.O/ D2.O/ ZR-H/ GRAPHITE/ RE/ RE.O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILE
 68-JO-01 JOHNSTON BE ..THEORY/ SOLID/ HARMONIC APPROXIMATION/ SCATTERING LAW/ INCOHERENT APPROXIMATION/ FREQUENCY
 68-KO-02 KOPPEL, YOUNG BF ..LATTICE DYNAMICS/ SOLID/ THEORY/ DISPERSION RELATION
 68-PA-01 PAGE, HAYWOOD H2.O/ D2.O/ GRAPHITE/ RE/ BE.O ..COMPILE/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
 69-GI-02 GILAT, RIZZI+ BE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..METAL/ MODEL POTENTIAL CALCULATION
 69-JO-01 JOHNSTON BE ..THEORY/ SOLID/ HARMONIC APPROXIMATION/ BORN-VON KARMAN MODELS/ SCATTERING LAW/ DEBYE-WALLER
 69-KI-01 KING, 3RD, CUTLER BE ..DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ PHONON/ META
 69-MF-02 METZBOWER RE/ MG/ ZN ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..NONCENTRAL-FORCE/ FIVE FORC
 69-SA-05 SAHNI, VENKATARAMAN BE ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..PSEUDOPOTENTIAL/ OPW METHO
 70-FR-01 FRAAS, PORTO+ BF ..EXPERIMENT/ RAMAN SCATTERING
 70-KI-02 KING, CUTLER BF ..LATTICE DYNAMICS/ THEORY/ SOLID/ DISPERSION RELATION ..HFXACONAL CLOSE-PACKED CRYSTAL/ P
 70-PR-01 PRAKASH, JOSHI RE/ MG/ ZN ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..SINGLE-ORTHOGONALIZED-PLANE-WA
 70-SH-01 SHARAN, BAJPAI RE/ MG/ TL ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..HEXAGONAL METAL

2. 4 BI

BISMUTH

64-YA-02 YARNELL, WARREN+ BI ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 66-EG-01 FGFLSTAFF, DUFFILL+ PR/ SN/ BI/ ZN/ AL ..EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
 67-CO-01 COCKING AL/ PB/ RI/ RR/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
 67-SM-01 SMITH BI ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..CONST-Q METHOD/ 75DK
 68-MA-01 MATTESCU, TEUTSCH+ N2/ BI ..EXPERIMENT/ TOF/ SCATTERING FUNCTION ..77.4DK FOR N2/ 5600DK FOR BI
 68-N0-01 NORTH, ENDERRY+ ZN/ TL/ PB/ SN/ RI ..EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ..LIQUID METAL/ 340DC-1100D
 68-SO-01 SOSNOWSKI, BEDNARSKI+ BI ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ CONST-Q
 68-TU-01 TUNKELO, KUOPPAMAKI+ BI ..EXPERIMENT/ LIQUID/ SOLID/ DISPERSION RELATION ..280DC FOR LIQUID/ 262DC FOR SOL

2. 5 BR

BROMINE

62-CA-01 CAGLIOTTI, RICCI BR ..LIQUID/ EXPERIMENT
 63-CA-01 CAGLIOTTI, ASCARELLI BR ..LIQUID/ EXPERIMENT
 63-CO-06 COOTE, HAYWOOD BR ..SCATTERING LAW/ EXPERIMENT/ LIQUID
 64-AN-01 ANTONINI, ASCARELLI+ BR ..EXPERIMENT/ LIQUID
 68-CA-02 CARPENTER, SCHAFFER BR/ C2.F6 ..SCATTERING THEORY

2. 6 BR2

BROMINE

67-CA-01 CARPENTER C2.F6/ BR2 ..SCATTERING LAW/ CORRELATION FUNCTION/ THEORY/ GAS/ MOLECULAR DYNAMICS ..TORSIONAL

2. 7 C

CARBON

65-YO-01 YOUNG, KOPPEL RF/ C/ H2.O/ D2.O/ C.H2/ H2/ D2 ..THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
 66-YO-01 YOUNG RE/ C/ RF.O ..SCATTERING FUNCTION/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DIS
 68-IT-01 IIZUMI, AYAO C ..SIGMA (F)

2. 8 CS

CFSIUM

69-PR-02 PRAKASH, JOSHI Li/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN

2. 9 CR

CHROMIUM

65-MO-01 MOFLLER, MACKINTOSH CR ..EXPERIMENT/ SOLID/ DISPERSION RELATION ..TRIPLE AXIS SPECTROMETER
 70-RI-01 RICE, HALPERIN CR ..THEORY/ LATTICE VIBRATION ..FERMI SURFACE/ ELECTRON SUSCEPTIBILITY/ EFFECT OF THE KOHN

2. 10 CU

COPPFER

58-TO-01 TOYA CU ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 61-CR-01 CRIBIER, JACROT+ CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 62-LE-01 LEHMAN, WOLFRAM+ CU/ AL/ ZRH ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 62-SO-01 SOSNOWSKI, KOZUBOWSKY CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 63-MA-02 MALISZEWSKI, SOSNOWSKI+ ZN/ CU/ MG ..EXPERIMENT
 64-VI-01 VINTAIKIN, GORBACHEV+ CU ..DISPERSION RELATION/ SOLID/ EXPERIMENT
 65-SI-06 SINHA, SQUIRES CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TOF
 65-SL-01 SLATER V/ SI/ CU/ NEUTRON-SCATTERING-IN-SOLIDS ..HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
 66-SI-02 SINHA CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TOF ..ROOM TEMPERATURE
 67-GU-01 GUPTA, SHARMA CU/ AU ..LATTICE DYNAMICS/ THEORY
 67-NT-01 NICKLOW, GILAT+ CU ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION/ FREQUENCY SPECTRUM ..3-AXIS SPECTR
 67-YU-01 YUFN, VARHN+ CU ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION/ FREQUENCY SPECTRUM ..FCC CUBIC METAL
 68-NI-02 NILSSON CU ..EXPERIMENT/ LATTICE VIBRATION/ DISPERSION RELATION ..KOHN EFFECT
 69-BF-01 BEHARI, TRIPATHI+ CU ..DISPERSION RELATION/ THEORY ..MODIFIED ANGULAR FORCE MODEL/ ELECTRON-ION INTERACTIO
 69-BF-02 BEHARI, TRIPATHI CU ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..MODIFIED ANGULAR FORCE MODEL/ ELECT
 69-KR-01 KRERS, HOELZL Li/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
 70-BF-02 BEHARI, TRIPATHI CU/ AG/ AU ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..NON-CENTRAL FORCE MODEL/ EL
 70-BU-01 BUEHRER CU ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE ..CONST-Q METHOD ..PSEUDO-POTENTIAL ANALYSIS

2. 11 D

DEUTERIUM

64-ST-01 STFHNN, GOLDBERG+ H/ D/ H2.O/ D2.O/ HE/ Li/ RF/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ SI/ AR/ K/ COMPILATIONS ..S
 65-CH-02 CHFN, EDER+ NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE ..EXPERIMENT/ LIQUID/ SIGMATHETA.E
 68-TA-01 TALHOOK, HARRIS+ D ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS ..20DK/ NEUTRON DIFFRACTION/ RADIAL DISTRIBUTI
 70-KL-02 KLEIN, KOEHLER D ..LATTICE DYNAMICS/ SOLID

2. 12 D2

DFUTERIUM

64-YO-01 YOUNG, KOPPFL H2/ D2 ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING CROSS SECTION ..20.4DK
 64-YO-04 YOUNG, KOPPEL H2/ D2 ..THEORY/ MOLECULAR DYNAMICS/ LIQUID ..SCATTERING CROSS SECTION
 70-KL-03 KLUMP, SCHNEPP+ H2/ D2 ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID

2. 13 DIAMOND

DIAMOND

63-MI-01 MICHAELL, HARDY+ DIAMOND ++FREQUENCY SPECTRUM/ LATTICE DYNAMICS
 64-YA-01 YARNELL, WARREN+ DIAMOND ++EXPERIMENT/ DISPERSION RELATION
 65-WA-02 WARREN, WENZEL+ DIAMOND ++EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS
 67-BL-01 BLANCHARD, VARSHNI DIAMOND ++LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION ++SHELL MODEL CALCULATION/ DEBYE
 67-MC-02 MCMURRAY, SOLBRIG-JR+ DIAMOND ++LATTICE DYNAMICS/ DISPERSION RELATION/ THEORY
 67-WA-02 WARREN, YARNELL+ DIAMOND ++LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION
 68-MA-02 MARADUDIN, VOSKO DIAMOND ++GROUP THEORY/ LATTICE VIBRATION ++SYMMETRY PROPERTIES/ SPACE GROUP/ IRREDUCIBLE
 69-MO-01 MONTGOMERY 7N.S/ DIAMOND/ SR.T1.O3 ++GROUP THEORY/ LATTICE VIBRATION ++SYMMETRY PROPERTIES

2. 14 GA

GALLIUM

69-WA-01 WAFFER GA ++THEORY/ LATTICE DYNAMICS/ ++GROUP-THEORETICAL ANALYSIS
 69-WA-02 WAEBER GA ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TRIPLE-AXIS SPECTROMETER ++77DK
 70-VA-01 VADOVIC, COLVER AG/ GA/ HG/ NA/ PB/ SN/ ZN ++THEORY/ SELF-DIFFUSION CONSTANT

2. 15 GF

GERMANIUM

58-BR-04 BROCKHOUSE, LYNGER GE ++EXPERIMENT/ DISPERSION RELATION
 59-BR-02 BROCKHOUSE GE ++EXPERIMENT/ DISPERSION RELATION
 59-BR-03 BROCKHOUSE GE/ SI ++EXPERIMENT/ DISPERSION RELATION
 59-GH-01 GHOSE, PALEVSKY+ GF ++EXPERIMENT/ DISPERSION RELATION
 63-BR-03 BROCKHOUSE, BECKA+ GE ++EXPERIMENT/ LATTICE DYNAMICS
 63-BR-04 BROCKHOUSE, DASANACHAYA GF ++EXPERIMENT/ DISPERSION RELATION ++TEMPERATURE EFFECTS
 65-DO-04 DOLLING GE/ SI ++EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-PO-02 POPP GE ++LATTICE DYNAMICS/ SOLID/ THEORY
 71-NI-01 NILSSON, NELIN GE ++EXPERIMENT/ DISPERSION CURVE/ LATTICE DYNAMICS/ BODK/ LINE WIDTH

2. 16 AU

GOLD

67-GU-01 GUPTA, SHARMA CU/ AU ++LATTICE DYNAMICS/ THEORY
 70-RE-02 BEHARI, TRIPATHI CU/ AG/ AU ++THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ++NON-CENTRAL FORCE MODEL/ EL

2. 17 GRAPHITE

GRAPHITE

51-KD-01 KOMATSU, NAGAMIYA GRAPHITE ++THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 53-KR-01 KRAMHANSL, BROOKS GRAPHITE ++THEORY/ SOLID/ LATTICE DYNAMICS
 53-RO-01 ROSENSTOCK GRAPHITE ++THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 55-JA-01 JACROT, NETTER+ GRAPHITE/ H₂O/ D₂O ++EXPERIMENT/ LIQUID/ SOLID
 55-KO-01 KOMATSU GRAPHITE ++THEORY/ LATTICE DYNAMICS ++SPECIFIC HEAT
 56-RA-01 BALDOCK GRAPHITE ++FREQUENCY SPECTRUM/ THEORY/ SOLID/ LATTICE DYNAMICS
 56-YO-01 YOSHIMORI, KITANO GRAPHITE ++THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 58-MC-01 MCREFYNOLDS, NELKIN+ H₂O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ++EXPERIMENT/ THEORY/ LIQUID/ SOLID
 61-EG-02 EGELSTAFF, COCKING GRAPHITE ++EXPERIMENT/ SCATTERING LAW/ FREQUENCY SPECTRUM ++24DC/ 336DC/ 425DC/ 610DC/
 61-PA-03 PARKS GRAPHITE ++LATTICE DYNAMICS
 61-PA-04 PARKS GRAPHITE ++THEORY ++SCATTERING KERNELS
 61-WO-01 WOODS, BROCKHOUSE+ GRAPHITE/ H₂O/ D₂O/ ZR-H/ Li-H/ Na-H/ N-H₄CL ++EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
 62-RR-04 BRUGGER RE/ BE-O/ GRAPHITE/ H₂O/ D₂O/ METHANE/ PROPANE/ TERPHENYL/ COMPIILATIONS ++SCATTERING FUNCTION
 62-DO-01 DOLLING, BROCKHOUSE GRAPHITE ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 62-EG-02 EGELSTAFF GRAPHITE/ H₂O/ D₂O/ COMPIILATIONS ++SCATTERING LAW ++24DC/ 380DC/ 600DC FOR GRAPHITE/ 24DC FOR
 62-KO-02 KOTHARI GRAPHITE ++DIFFUSION PARAMETER
 62-MA-01 MACDOUGALL GRAPHITE ++THEORY/ NEUTRON SPECTRUM/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
 62-PA-01 PARKS, BEYSTER+ GRAPHITE ++EXPERIMENT/ NEUTRON SPECTRA
 62-SC-02 SCHOFIELD H₂O/ GRAPHITE ++THEORY/ COMPIILATION
 63-EG-04 EGELSTAFF, HARRIS GRAPHITE ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ ++HIGH FREQUENCY MODE/ 950DC
 63-HA-04 HAYWOOD, THORSON GRAPHITE ++EXPERIMENT/ FREQUENCY DISTRIBUTION
 64-HA-02 HAYWOOD, SINCLAIR GRAPHITE/ RE/ BE-O ++COMPIILATION/ SCATTERING FUNCTION
 64-KF-01 KELLY GRAPHITE ++THEORY/ SOLID/ LATTICE DYNAMICS
 64-KO-01 KOMATSU GRAPHITE ++THEORY/ LATTICE DYNAMICS ++SPECIFIC HEAT
 64-WI-01 WIKNER, JOANOU+ GRAPHITE ++EXPERIMENT/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION/ NEU
 64-WI-02 WILSON GRAPHITE ++THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 65-WH-01 WHITEMORE POLYETHYLENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
 65-WH-02 WHITEMORE GRAPHITE ++EXPERIMENT
 65-YO-02 YOUNG, KOPPEL GRAPHITE ++THEORY/ FREQUENCY SPECTRUM/ BORN-VON KARMAN MODEL
 65-YO-03 YOUNG, WIKNER+ GRAPHITE ++THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ NEUTRON SPECTRUM ++SCATTERING
 66-RF-06 BEYSTER, NEILL+ H₂O/ D₂O/ ZR-H/ GRAPHITE/ RE-O ++NEUTRON SPECTRUM/ COMPIILATION/ LIQUID/ GAS
 66-MF-01 MEFRS GRAPHITE ++EXPERIMENT/ LATTICE DYNAMICS
 66-WH-02 WHITEMORE D₂O/ GRAPHITE ++EXPERIMENT/ SCATTERING FUNCTION ++24DC
 66-WO-01 WORDEN, PURCELL+ H₂O/ D₂O/ GRAPHITE ++NEUTRON SPECTRUM/ SIGMA(E-E-PRIME)
 67-PA-01 PAGE GRAPHITE ++SCATTERING FUNCTION/ EXPERIMENT ++HIGH TEMPERATURE
 67-WH-01 WHITEMORE D₂O/ H/ GRAPHITE ++CROSS SECTION EVALUATION/ LIQUID/ SOLID/ EXPERIMENT/ SCATTERING FUNCTION
 68-BO-06 BOWMAN, KRUMHANSL GRAPHITE ++THEORY/ LATTICE DYNAMICS
 68-CA-04 CARVALHO GRAPHITE ++SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT ++TOF/ 533DK
 68-ER-01 EREMEEV, MOSTOVOI+ GRAPHITE ++SCATTERING FUNCTION/ EXPERIMENT ++15DC/ 490DC/ 1000DC
 68-GL-01 GLAFSER H₂O/ ZR-H/ GRAPHITE/ D₂O/ RE/ BE-O ++COMPIILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
 68-GL-02 GLAFSER H₂O/ D₂O/ ZR-H/ GRAPHITE/ RE/ BE-O ++SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPIILATION
 68-PA-01 PAGE, HAYWOOD H₂O/ D₂O/ GRAPHITE/ BE/ BE-O ++COMPIILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ++AT VAR
 68-PA-02 PAGE GRAPHITE ++EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION ++18000R
 68-WH-01 WHITEMORE GRAPHITE ++CROSS SECTION EVALUATION/ EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
 69-CO-03 COLLINS, HAYWOOD GRAPHITE ++EXPERIMENT/ DISPERSION CURVE ++ALONG C-AXIS
 69-TA-02 TAKAHASHI GRAPHITE ++THEORY/ LATTICE DYNAMICS/ SCATTERING FUNCTION ++COHERENT SCATTERING/ COMPUTER CALCUL
 70-CO-03 CONN GRAPHITE ++THEORY/ SPECTRAL DENSITY/ SIGMA(E)

2. 18 HF

HAFNIUM

70-SH-03 SHARAN, BAJPAI ZR/ HF ++THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE

2. 19 HF

HELIUM

57-CO-01 COHEN, FEYNMANN HF ++THEORY/ SCATTERING BY ROTON
 57-EG-01 EGELSTAFF, LONDON HF ++LIQUID/ EXPERIMENT / SIGMA(E)/ SIGMA(E, THETA) ++LIQUID HELIUM
 57-PA-01 PALEVSKY, OTNES+ HF ++EXPERIMENT/ ROTON
 58-HF-01 HENSHAW, HE ++EXPERIMENT/ LIQUID/ DISPERSION RELATION
 58-PA-01 PALEVSKY, OTNES+ HE ++EXPERIMENT/ ROTON/ DISPERSION RELATION
 58-YA-01 YARNELL, ARNOLD+ HF ++EXPERIMENT/ ROTON/ DISPERSION CURVE/ LIQUID ++1.4DK
 59-YA-01 YARNELL, ARNOLD+ HE ++EXPERIMENT/ LIQUID/ ROTON EXCITATION/ DISPERSION RELATION ++1.1DK

Bibliography for Thermal Neutron Scattering

60-CO-01 COHEN HE ..THEORY/ LIQUID
 61-HF-03 HENSHAW, WOODS HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION ..1.78-4.21DK
 61-PA-02 PALEVSKY HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
 62-PA-02 PARRY, TURNER HF/ NEUTRON-SCATTERING-IN-FLUIDS ..THEORY/ LIQUID/ SCATTERING LAW/ CORRELATION FUNCTION ..LI
 63-BR-02 BROCKHOUSE, BERGSMA+ SN/ H₂O/ AR/ HF ..EXPERIMENT/ LIQUID
 64-ST-01 STEHNI, GOLDBERG+ H/ D/ H₂O/ D₂O/ HE/ Li/ Be/ GRAPHITE/ N/ O/ NF/ NA/ MG/ AL/ Si/ AR/ K/ COMPILATIONS ..S
 65-WU-03 WOODS HE ..EXPERIMENT/ LIQUID/ DISPERSION RELATION
 67-DE-03 DEWETTE, NOSANOW+ HF ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
 67-KI-04 KITCHENS, MINKIEWICZ+ HF ..SOLID/ EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS ..THREE CRYSTAL SPECTR
 67-KO-01 KOEHLER HE ..THEORY/ LATTICE DYNAMICS
 67-LI-01 LIPSCHULITZ, MINKIEWICZ+ HE ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 67-MO-02 MORLEY HE ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..MCP PHASE/ ODK/ DE
 67-PL-02 PLUMMER, SUMMERTFIELD+ HF ..THEORY/ DISTRIBUTION FUNCTION/ GAS ..DIFFERENTIAL SCATTERING CROSS SECTION/ S-6
 68-RR-04 BRUNN, SINHA+ HF ..EXPERIMENT/ DISPERSION RELATION ..4*2DK
 68-CO-08 COWLEY, WOODS HE ..LIQUID/ EXPERIMENT/ SCATTERING FUNCTION ..1.1DK/ 4*2DK
 68-EI-01 FICKSTEIN, VARGA HE ..THEORY/ LIQUID/ STATISTICAL MECHANICS
 68-MI-04 MINKIEWICZ, KITCHENS+ HF ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ..1.03DK
 68-SH-01 SHAH HE ..LIQUID/ EXPERIMENT ..HE-3/ X-RAY SCATTERING/ HIGH-FREQUENCY-SOUND VELOCITY
 68-WO-01 WOODS, COWLEY HF ..EXPERIMENT/ LIQUID/ TOF/ CONST.-θ ..1.1DK-4.2DK
 69-FE-02 FERNANDEZ, GERSCH HF ..GROUND STATE/ THEORY ..ENERGY WIDTH OSCILLATION
 69-KL-01 KLFMENS, LIPPSCHILTZ HE ..SOLID/ THEORY
 69-MO-02 MORLEY, KLEWER HF ..DISPERSION RELATION/ THEORY/ FREQUENCY DISTRIBUTION/ SOLID ..SOUND VELOCITY/ SELF-CON
 70-GL-02 GLYDE, COWLEY HE ..ANHARMONICITY
 70-GO-02 GOLDMAN, HORTON+ NE/ HE ..SELF-CONSISTENT APPROXIMATION/ DISPERSION CURVE/ LIFE TIME/ THEORY
 70-LA-03 LAI, SIM+ HE ..DISPERSION CURVE/ THEORY
 70-WO-01 WOODS, COWLEY HE ..SUPERFLUID

2+ 20 HO

HOLMIUM

69-LF-02 LEAKE, MINKIEWICZ+ HO ..DISPERSION RELATION/ TRIPLE AXIS SPECTROMETER/ LATTICE DYNAMICS ..295DK/ PARAMAGNE
 70-LA-02 LAHTEENKORVA MG/ Y/ HO ..DISPERSION RELATION/ HARMONIC APPROXIMATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..EL

2+ 21 H

HYDROGEN

51-EG-01 FGFLSTAFF H/ RF/ V/ SE/ MO/ FF ..SOLID/ EXPERIMENT/ TRANSMISSION
 51-MF-01 MESSIAH H/ C₆H₄ ..THEORY/ SCATTERING THEORY ..ROOM TEMP.
 58-RR-01 BRIMBERG H ..THEORY/ MOLECULAR DYNAMICS/ SIGMA(E)
 63-MC-01 MCFLYNOLDS, WHITEMORE H ..EXPERIMENT/ LIQUID
 63-WH-01 WHITEMORE, DANNER H ..EXPERIMENT/ LIQUID/ SIGMA (E,E-PRIME+THETA)
 64-EG-02 EGFLSTAFF, HAYWOOD+ H ..EXPERIMENT/ SOLID/ LIQUID ..12, 15, 18 AND 21DK
 64-ST-01 STEHNI, GOLDRBERG+ H/ D/ H₂O/ D₂O/ HE/ Li/ BE/ GRAPHITE/ N/ O/ NF/ NA/ MG/ AL/ Si/ AR/ K/ COMPILATIONS ..S
 64-WH-01 WHITEMORE C₆H₄/ H ..EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS ..NEUTRON SPECTRA/ TOTAL CROSS SECTION
 65-HO-04 HORSEY H ..CROSS SECTION EVALUATION ..SIGMA TOTAL
 65-NA-02 NALIBOFF COMPUTER-CODES/ HYDROGEN ..THEORY/ LIQUID
 65-SE-02 SEARS H ..SCATTERING LAW
 66-KO-04 KOPPEL H₂O/ POIYETHYLNFN/ 7R-H/ H ..CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
 67-WH-01 WHITEMORE D₂O/ H/ GRAPHITE ..CROSS SECTION EVALUATION/ LIQUID/ SOLID/ EXPERIMENT/ SCATTERING FUNCTION
 68-ST-01 STAMENKOVIĆ H ..+DOUBLE-POTENTIAL-WELL/ HYDROGEN BOND ..SIGMA (THETA+E)/ THEORY/ MOLECULAR DYNAMICS
 70-SC-02 SCHOTT H ..EXPERIMENT

2+ 22 H₂

HYDROGEN

37-SC-01 SCHWINGER, TELLER H₂ ..THEORY/ TOTAL CROSS SECTION
 41-SA-01 SACHS, TELLER NEUTRON-SCATTERING-IN-FLUIDS/ H₂/ C₆H₄/ N₂H₃/ H₂O ..SCATTERING THEORY ..MOLECULAR GASES
 47-HA-01 HAMMERMESH, SCHWINGER H₂ ..THEORY/ GAS/ SCATTERING CROSS SECTION
 61-SA-01 SARMA H₂ ..THEORY/ MOLECULAR DYNAMICS/ LIQUID
 63-WE-01 WEBB C₆H₄/ N₂H₃/ H₂ ..SIGMA(E-PRIME,THETA)/ EXPERIMENT/ GAS ..ROOM TEMPERATURE
 64-YO-01 YOUNG, KOPPEL H₂/ D₂ ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING CROSS SECTION ..20.4DK
 64-YO-04 YOUNG, KOPPEL H₂/ D₂ ..THEORY/ MOLECULAR DYNAMICS/ LIQUID ..SCATTERING CROSS SECTION
 66-KO-02 KOPPEL, YOUNG H₂ ..THEORY/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ..20.9DK
 67-EG-01 EGELSTAFF, HAYWOOD+ H₂ ..MOLECULAR DYNAMICS/ SOLID/ LIQUID/ EXPERIMENT
 67-EL-03 ELLIOTT, HARTMAN H₂ ..MOLECULAR DYNAMICS/ THEORY/ SIGMA(THETA,E)
 70-KL-01 KLEINI, KOEHLER H₂ ..DISPERSION RELATION
 70-KL-03 KLUMP, SCHNEPP+ H₂/ D₂ ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID
 70-MI-02 MISNTA, OI (VI) H₂ ..THEORY/ DIFFERENTIAL CROSS SECTION

2+ 23 FF

IRON

61-IY-01 IYENGAR, SATYA-MURTHY+ FF ..EXPERIMENT/ DISPERSION RELATION
 62-LO-01 LOW FE ..EXPERIMENT/ SOLID/ DISPERSION RELATION
 67-BE-01 BERGSMA, VAN-DIJK+ FF ..DISPERSION RELATION/ EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ CRYSTAL SPECTROMETER/ RO
 67-BR-01 BROCKHOUSE, ABOU-HFLAL+ FE ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION
 67-MI-01 MINKIEWICZ, SHIRANE+ FE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..ROOM
 67-VA-01 VAN-DINGENEN, HAUTECLER FE ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..ROOM TEMPERATURE/ TOF MET
 68-VA-02 VAN-DIJK, BERGSMA FF/ FE-AL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
 70-VA-03 VAN-DIJK FE/ FE-AL ..EXPERIMENT/ LATTICE DYNAMICS/ PHONON DISPERSION

2+ 24 KR

KRYPTON

61-CL-01 CLAYTON, HEATON KR ..EXPERIMENT/ STRUCTURE FACTOR/ LIQUID/ RADIAL DISTRIBUTION ..117,133,153,183 AND 210DK
 67-BR-03 BROWN, HORTON KR ..LATTICE DYNAMICS/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ..73DK
 67-HO-01 HOEGBERG, BOHLIN KR ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 70-GL-01 GLYDE NE/ AR/ KR/ XF ..THEORY/ ANHARMONICITY
 70-KI-03 KITAGAWA AR/ KR/ POLYTHYLENE ..REVIEW/ LATTICE DYNAMICS
 70-LE-01 LEECH, REISSLAND NF/ AR/ KR/ XF ..THEORY/ LATTICE DYNAMICS/ ANHARMONICITY ..THERMODYNAMICAL PROPERTIES
 70-LE-02 LEECH, REISSLAND NE/ AR/ KR/ XE ..THEORY/ ANHARMONICITY ..SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS

2+ 25 PB

LEAD

54-FG-01 FGELSTAFF PB ..EXPERIMENT/ LIQUID
 55-BR-01 BROCKHOUSE PB ..EXPERIMENT/ LIQUID
 59-AR-01 BROCKHOUSE, POPF PB ..EXPERIMENT/ LIQUID
 59-PE-01 PELAH, WHITEMORE+ PB ..EXPERIMENT/ LIQUID/ SOLID/ TOF/ NEUTRON SPECTRUM/ QUASI-ELASTIC PEAK
 61-BR-01 BROCKHOUSE, RAO+ PB ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 61-BR-02 BROCKHOUSE, ARASE+ PB ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ PHONON LIFE TIME
 61-EG-01 EGELSTAFF, COCKING+ H₂O/ D₂O/ PB ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
 61-PA-01 PALEVSKY H₂O/ PB/ SN ..EXPERIMENT/ LIQUID ..ROOM TEMP., 450C FOR H₂O/ 4620C FOR PB/ 350DC FOR SN/ BE-F
 61-RA-01 RAHMAN, SINGWI+ NEUTRON-SCATTERING-IN-FLUIDS/ PB ..THEORY ..LIQUID DYNAMICS

62-BR-01 BROCKHOUSE, ARASE+ PR ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ++CRYSTAL SPECTROMETER/ 100DK
 62-CO-03 COTTER PB ++EXPERIMENT/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION
 62-FG-03 EGELSTAFF, SCHOFIELD SCATTERING-THEORIES/ H₂O/ PR ++EXPERIMENT/ THEORY/ LIQUID/ DIFFUSION PARAMETER ++ROD
 62-FG-05 EGELSTAFF MG/ BE/ PB ++THEORY/ SOLID/ LIQUID/ SIGMA(E, E-PRIME, THETA) ++METAL/ LIQUID METAL
 62-TU-01 TURERFIELD PB ++EXPERIMENT/ LIQUID ++340DC/ 320DC/ 324DC
 63-EG-03 EGELSTAFF PB/ SN ++EXPERIMENT/ SCATTERING FUNCTION/ LIQUID
 63-SI-03 SINGWI, SJOELANDER+ NEUTRON-SCATTERING-IN-FLUIDS/ H₂O/ PR ++THEORY/ LIQUID/ FREQUENCY DISTRIBUTION/ SCATT
 65-CO-03 COCING, EGELSTAFF PB/ SN ++EXPERIMENT/ LIQUID/ DISPERSION RELATION
 65-PA-01 PALFSKY PB/ H₂O/ SN ++EXPERIMENT/ LIQUID
 65-TD-01 TOYA PB ++THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 66-BR-04 BRUGGER METHANE/ ETHANE/ AL/ NA/ PB/ AR ++COMPILEATION/ SCATTERING FUNCTION
 66-FG-01 EGELSTAFF, DUFFILL+ PB/ SN/ BI/ ZN/ AL ++EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
 66-RA-03 RANDOLPH LFAD ++EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ++350DC
 66-RA-04 RANDOLPH, SINGWI PB ++SCATTERING LAW/ LIQUID/ CRYSTAL SPECTROMETER/ EXPERIMENT ++COLLECTIVE MOTION
 67-CO-01 COCING AL/ PB/ BI/ RR/ SN ++SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
 67-DO-01 DORNER, PLESSER+ PB ++EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ++LIQUID DYNAMICS/ METAL
 67-DO-02 DORNER, PLESSER+ PB ++EXPERIMENT/ 3-AXIS SPECTROMETER/ LIQUID/ DISPERSION CURVE
 67-NE-03 NELKIN, RANGANATHAN LEAD ++SCATTERING LAW/ QUASI-PLASTIC PEAK/ THEORY ++VLAOSO EQUATION
 67-RA-01 RANDOLPH PB ++EXPERIMENT/ LIQUID/ DISPERSION RELATION
 67-RA-02 RANDOLPH, MYERS PB ++EXPERIMENT/ LIQUID/ DISPERSION RELATION ++350DC/ COLLECTIVE VIBRATIONAL MODE
 67-ST-03 STEDMAN, ALMQVIST+ AL/ PR ++LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ++800DK FOR AL/ 500DK FOR PB
 67-ST-04 STEDMAN, ALMQVIST+ PR ++LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ++800K/ 300K
 68-AG-02 AGRAWAL, DESAI+ INFUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ++THEORY ++MODEL CALCULATION
 68-CO-03 COCING, EGELSTAFF PB ++EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ++15DC ABOVE AND BELOW MELTING POINTS/ 350D
 68-CO-04 COCING NA/ PB ++EXPERIMENT/ LIQUID/ LIQUID DYNAMICS
 68-CO-05 COCING PB ++THEORY/ LIQUID DYNAMICS
 68-GR-01 GRIMVALL, GRIMVALL AL/ NA/ PR ++FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS ++DEBYE TEMP.
 68-NO-01 NORTH, ENDERBY+ ZN/ TL/ PB/ SN/ BI ++EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS ++LIQUID METAL/ 340DC-1100D
 68-RA-04 RANDOLPH PB ++LIQUID/ CORRELATION FUNCTION/ SCATTERING LAW/ EXPERIMENT
 68-SC-04 SCHMUCK, QUITTNER LFAD ++DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 68-SC-05 SCHMUCK, QUITTNER PR ++THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES ++PSEUDOPOTENTIAL CALCULATION
 68-WI-01 WIGNALL, EGELSTAFF PB ++EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ++336-726DC
 69-DE-02 DESAI, YIP NA/ PB ++THEORY/ LIQUID/ SCATTERING FUNCTION ++LIQUID METAL
 69-IC-01 ICHIKAWA, SHIMOJI LI/ NA/ K/ HG/ PR ++DIFFUSION PARAMETER/ LIQUID/ THEORY ++LIQUID METAL/ FRICTION CONSTAN
 69-RO-01 POWELL, McMILLAN+ PR/ PR-TL ++EXPERIMENT/ SPFTCAL DENSITY ++TUNNELING EXPERIMENT
 70-CO-04 COULTHARD SODIUM/ POTASSIUM/ ALUMINIUM/ LEAD ++THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ++PRESSURE
 70-VA-01 VADOVIC, COLVER AG/ GA/ HG/ NA/ PR/ SN/ ZN ++THEORY/ SELF-DIFFUSION CONSTANT

2• 26 Li

LITHIUM

65-KR-01 KRFBS LI/ NA/ K ++THEORY/ SOLID/ DISPERSION RELATION
 68-SM-01 SMITH, DOLLING+ LI ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION ++980K/ LI7
 69-IC-01 ICHIKAWA, SHIMOJI LI/ NA/ K/ HG/ PR ++DIFFUSION PARAMETER/ LIQUID/ THEORY ++LIQUID METAL/ FRICTION CONSTAN
 69-KR-01 KRFBS, HOELZL LI/ NA/ K/ RR/ CU/ AL/ PB/ FF/ NI/ PT/ COMPUTER-CODES ++PSEUDOPOTENTIAL/ FITTING TO
 69-PR-02 PRAKASH, JOSHI LI/ NA/ K/ RR/ CS ++DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
 69-WA-04 WALLACE LI ++DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ++PSEUDOPOTENTIAL/ PHONON/ GRUENEISEN
 70-GU-01 GUPTA LI ++DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ++PSEUDOPOTENTIAL/ METAL

2• 27 Mg

MAGNESIUM

58-EG-01 EGELSTAFF RE/ MG/ SCATTERING-THEORIES ++THEORY/ EXPERIMENT/ SOLID/ SIGMA(E, E-PRIME, THETA)/ SIGMA(E) ++O
 62-CO-02 COLLINS MG ++EXPERIMENT/ SOLID/ DISPERSION RELATION
 62-EG-05 EGELSTAFF MG/ RE/ PB ++THEORY/ SOLID/ LIQUID/ SIGMA(E, E-PRIME, THETA) ++METAL/ LIQUID METAL
 63-IY-01 IYNGER, VENKATARAMAN+ MG ++EXPERIMENT/ DISPERSIION RELATION
 63-MA-02 HALISZFWSKI, SOSNOWSKI+ ZN/ CU/ MG ++EXPERIMENT
 64-YO-02 YOUNG, KOPPEL RE/ MG/ ZN ++THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS ++ROOT SAMPLING METHOD
 65-IY-01 IYNGER, VENKATARAMAN+ MG ++LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION
 65-IY-02 IYNGER, VENKATARAMAN+ MG ++DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS
 68-BR-01 BRODMAN, KAGAN+ BE/ MG/ ZN ++THEORY/ LATTICE DYNAMICS
 68-PY-01 PYNN, SQUIRES MG ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ TOF
 68-SC-06 SCHNEIDER, STOLL NA/ MG/ AL ++THEORY/ LATTICE DYNAMICS ++ELECTRONIC STRUCTURE/ METAL
 68-WA-03 WARREN CS/CI/ MG ++GROUP THEORY/ LATTICE VIBRATION ++SYMMETRY PROPERTIES/ SPACE GROUP/ IRREDUCIBLE REP
 69-GI-02 GILAT, RIZZI+ BE/ MG/ ZN ++THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ++METAL/ MODEL POTENTIAL CALCULATION
 69-MF-02 METZBOWER RE/ MG/ ZN ++DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ++NONCNTRAL-FORCE/ FIVE FORC
 69-PI-01 PINDOR, PYNN MG ++DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS ++PHONON/ POTENTIAL/ METAL
 70-FI-01 FLOYD, KLEINMAN MG ++THEORY/ PHONON DISPERSION RELATION/ METAL/ PSEUDOPOTENTIAL
 70-LA-02 LAHTEENKORVA MG/ Y/ HO ++DISPERSION RELATION/ HARMONIC APPROXIMATION/ THEORY/ SOLID/ LATTICE DYNAMICS ++EL
 70-PR-01 PRAKASH, JOSHI RE/ MG/ ZN ++THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ++SINGLE-ORTHOGONALIZED-PLANE-WA
 70-SH-01 SHARAN, BAJPATI BE/ MG/ TL ++THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ++HEXAGONAL METAL

2• 28 HG

MERCURY

51-PL-01 PLACZEK, NIJBOER+ INFUTRON-SCATTERING-IN-FLUIDS/ HG ++THEORY/ SIGMA(E, E-PRIME, THETA)/ SOLID/ LIQUID/ SCATTE
 54-VI-02 VINEYARD HG ++EXPERIMENT/ STRUCTURE FACTOR/ LIQUID METAL
 69-IC-01 ICHIKAWA, SHIMOJI LI/ NA/ K/ HG/ PR ++DIFFUSION PARAMETER/ LIQUID/ THEORY ++LIQUID METAL/ FRICTION CONSTAN
 70-VA-01 VADOVIC, COLVER AG/ GA/ HG/ NA/ PB/ SN/ ZN ++THEORY/ SELF-DIFFUSION CONSTANT
 70-WA-02 WASEDA, SUZUKI HG ++EXPERIMENT/ LIQUID/ STRUCTURE FACTOR ++LIQUID METAL

2• 29 Mo

MOLYBDENUM

51-EG-01 EGELSTAFF H/ BE/ V/ SE/ MO/ FF ++SOLID/ EXPERIMENT/ TRANSMISSION
 68-WO-01 WOODS, CHEN MO ++EXPERIMENT/ SOLID/ DISPERSION RELATION
 68-WO-01 WOODS NB/ TA/ MO/ V ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 68-RO-01 ROSENSTOCK, BLANKEN NA/ NB/ MO/ TA/ V/ CU-ZN/ SN ++THEORY/ DISPERSION RELATION ++FORCE CONSTANTS FOR BORN-
 69-WA-03 WALKER, EGELSTAFF MO ++DISPERSION RELATION/ LATTICE DYNAMICS/ TOF ++ROOM TEMPERATURE

2• 30 Ne

NEON

65-CH-02 CHEN, FEDER+ NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE ++EXPERIMENT/ LIQUID/ SIGMA(THETA-E)
 67-JA-01 JAEN, KHAN NE ++THEORY/ LIQUID/ STATISTICAL MECHANICS
 69-LF-03 LEAKE, DANIELS+ NE ++EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION ++4.7DK/ 25DK/ TRIPLE-AXIS-S
 70-GL-01 GLYDE NE/ AR/ KR/ XE ++THEORY/ ANHARMONICITY
 70-GO-02 GOLDMAN, HORTON+ NE/ HE ++SELF-CONSISTENT APPROXIMATION/ DISPERSION CURVE/ LIFE TIME/ THEORY
 70-LE-01 LEECH, REISSLAND NE/ AR/ KR/ XE ++THEORY/ LATTICE DYNAMICS/ ANHARMONICITY ++THERMODYNAMICAL PROPERTIES
 70-LE-02 LEECH, REISSLAND NE/ AR/ KR/ XE ++THEORY/ ANHARMONICITY ++SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS

2• 31 Ni

NICKEL

Bibliography for Thermal Neutron Scattering

- 63-MO-01 MOZER, OTNES NI/ PD/ NI-PD .,EXPERIMENT/ LATTICE DYNAMICS ..IN PURITY MODE
 63-TC-01 TCHFRNOPLEKOV, ZEMLYANOV+ NI .,EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
 64-R1-01 BIRGENEAU, CORDFS+ NI .,296 DEGREE KELVIN, EXPERIMENT/ DISPERSION RELATION/ 3-AXIS SPECTROMETER
 64-BR-04 BRUGGER NI .,EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 65-MO-03 MOZER, OTNES+ NI/ V/ TI/ Ti-ZR .,EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION
 67-HA-02 HAUETECLR, VAN-DINGENEN NI .,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..ROOM TEMP
 67-SI-01 SINGH NI .,LATTICE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION ..DEBYE TEMPERATURE/ 0DK-300DK
 68-DE-02 DE-WIT, BROCKHOUSE NI .,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..400DC/ 300DC/ ROOM TEMP.
2. 32 NR NIOBIDIUM
- 63-NA-01 NAKAGAWA, WOODS NB
 65-NA-01 NAKAGAWA, WOODS NB ..EXPERIMENT/ SOLID/ DISPERSION RELATION
 67-WO-01 WOODS NB/ TA/ MO/ W .,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 66-RO-01 ROSENSTOCK, BLANKEN NA/ NB/ MO/ TA/ W/ CU-ZN/ SN ..THEORY/ DISPERSION RELATION ..FORCE CONSTANTS FOR BORN-
 68-GR-01 GRIMVALL, GRIMVALL AL/ NB/ PB ..FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS ..DEBYE TEMP.
 69-SH-02 SHARP NB ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ DEBYE TEMPERATURE ..296DK/ TOF/ TRIPLE-AXIS
 69-SH-03 SHARP NB ..KOHN EFFECT/ DISPERSION RELATION ..FERMI SURFACE
2. 33 N NITROGEN
- 68-YO-01 YOUNG N ..SCATTERING THEORY/ MOLECULAR DYNAMICS
2. 34 N2 NITROGEN
- 68-MA-10 MATEFFSCU, FEUTSCH+ N2/ RI ..EXPERIMENT/ TOF/ SCATTERING FUNCTION ..77+4DK FOR N2/ 560DK FOR RI
2. 35 O OXYGEN
- 68-SU-02 SUMMERFIELD, LURIE O ..SCATTERING FUNCTION/ EXPERIMENT/ THEORY/ GAS ..MAGNETIC SCATTERING/ ROOM TEMP.
 68-VA-01 VALENTINE O ..EXPERIMENT ..USING UO2 SINGLE CRYSTAL
2. 36 O2 OXYGEN
2. 37 PD PALLADIUM
- 63-MO-01 MOZER, OTNES NI/ PD/ NI-PD ..EXPERIMENT/ LATTICE DYNAMICS ..IN PURITY MODE
 64-MI-02 MILLER, BROCKHOUSE PD ..EXPERIMENT/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION ..TRIPLE AXIS SPECTROMETER
2. 38 PT PLATINUM
- 68-OH-01 OHRLICH, DREXEL PT ..EXPERIMENT/ LATTICE DYNAMICS/ TOF/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
2. 39 K POTASSIUM
- 65-KR-01 KRFBS LI/ NA/ K ..THEORY/ SOLID/ DISPERSION RELATION
 66-CO-01 COWLEY, WOODS+ K ..LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ..9DK
 68-HO-01 HO THEORY-OF-SOLIDS/ NA/ K ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
 69-B0-01 BOFFEY K/ RB ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ELFCTRON-PHONON INTERACTION/ EXC
 69-BU-02 BUYERS, COWLEY K ..PHONON LIFETIME/ ANHARMONIC EFFECT/ EXPERIMENT/ THEORY ..9DK/ 92DK/ 215DK/ 299DK/ NEUTRA
 69-IC-01 ICHIKAWA, SHIMOJI LI/ NA/ K/ HG/ PB ..DIFFUSION PARAMETERS/ LIQUID/ THEORY ..LIQUID METAL/ FRICTION CONSTAN
 69-KR-01 KRFBS, HOELZL LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
 69-PR-02 PRAKASH, JOSHI LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
 70-CO-04 COULTHARD SODIUM/ POTASSIUM/ ALUMINIUM/ LEAD ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..PRESSURE
 70-KU-02 KUSHWAHA, RAJPUT THEORY-OF-SOLIDS/ NA/ K ..PHONON DISPERSION CURVE/ METAL/ BCC
2. 40 RB RUBIDIUM
- 67-CO-01 COCKING AL/ PB/ RI/ RB/ SN ..SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
 68-CO-07 COPLEY, BROCKHOUSE+ RB ..EXPERIMENT/ DISPERSION RELATION ..1200K
 69-B0-01 BOFFEY K/ RB ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS ..ELFCTRON-PHONON INTERACTION/ EXC
 69-KR-01 KRFBS, HOELZL LI/ NA/ K/ RB/ CU/ AL/ PB/ FE/ NI/ PT/ COMPUTER-CODES ..PSEUD-ION APPROXIMATION/ FITTING TO
 69-PA-01 PAGE, EGELSTAFF+ AR/ RR ..LIQUID/ STRUCTURE FACTOR
 69-PR-02 PRAKASH, JOSHI LI/ NA/ K/ RB/ CS ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
2. 41 SE SULFUR
- 51-FG-01 EGELSTAFF H/ RE/ V/ SF/ MO/ FE ..SOLID/ EXPERIMENT/ TRANSMISSION
 67-AX-01 AXMANN, GISSLER SE/ TE ..EXPERIMENT/ TOF/ POLYCRYSTAL
 67-HE-01 HENNINGER, BUSCHERT+ SE ..SIGMA(THETA,E) ..CORRELATION FUNCTION/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION E
 68-GI-02 GISSLER, AXMANN+ SE/ TE ..EXPERIMENT/ SOLID/ LIQUID/ TOF/ 3-AXIS-SPECTROMETER ..340DC FOR SE/ 450DC FOR TE
2. 42 SI SILICON
- 59-BR-03 BROCKHOUSE GE/ SI ..EXPERIMENT/ DISPERSION RELATION
 61-DO-01 DOLLING SI ..EXPERIMENT/ DISPERSION RELATION
 63-DO-01 DOLLING SI ..EXPERIMENT/ DISPERSION RELATION
 65-DO-04 DOLLING GE/ SI ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-SL-01 SLATER V/ SI/ CI/ NEUTRON-SCATTERING-IN-SOLIDS ..HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
 68-MA-07 MARTIN SI ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 70-PA-01 PAL SI ..THEORY/ DISPERSION RELATION
 70-SO-01 SOLRIG SI ..THEORY/ SOLID/ DISPERSION RELATION/ LATTICE DYNAMICS/ FORCE CONSTANTS ..VALENCE FORCE
2. 43 AG SILVER
- 69-DR-01 DREXEL, GLAESER+ AG ..DISPERSION RELATION/ BORN-VON KARMAN MODEL / EXPERIMENT ..ROOM TEMPERATUR/ PSEUDORAND
 69-KA-02 KAMITAKAHARA, BROCKHOUSE AG ..DISPERSION RELATION/ EXPERIMENT/ CONSTANT- α METHOD ..ROOM TEMPERATURE
 70-RE-02 BEHARI, TRIPATHI CU/ AG/ AU ..THEORY/ LATTICE VIBRATION/ DISPERSION RELATION ..NON-CENTRAL FORCE MODEL/ EL
 70-SH-02 SHARAN, BAJPAI AG ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATIONS/ SPECIFIC HEAT
 70-VA-01 VADOVIC, COLVER AG/ GA/ HG/ NA/ PB/ SN/ ZN ..THEORY/ SELF-DIFFUSION CONSTANT

2+ 44 NA

SODIUM

58-TO-02 TOYA NA .+THEORY/ SOLID/ LATTICE DYNAMICS
 62-WO-01 WOODS, BROOKHOUSE+ NA .+EXPERIMENT/ SOLID/ DISPERSION RELATION
 62-WO-02 WOODS, BROOKHOUSE+ NA .+EXPERIMENT/ SOLID/ DISPERSION RELATION .+90 DK
 63-CO-01 COCHRAN NA .+THEORY/ SOLID/ DISPERSION RELATION
 63-CO-03 COCKING NA .+EXPERIMENT/ LIQUID .+DOUBLF DIFFERENTIAL CROSS SECTION
 64-RA-02 RANDOLPH NA .+SCATTERING LAW / STRUCTURE FACTOR/ LIQUIDS
 65-KR-01 KRFBS LI/ NA/ K .+THEORY/ SOLID/ DISPERSION RELATION
 65-PR-01 PRAKASH, JOSHI NA .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-SH-01 SHAM NA .+THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-SI-03 SINGWI, FFLDMANN NA .+THEORY/ SCATTERING FUNCTION/ LIQUID .+PHONON IN LIQUID
 66-BR-04 BRUGGER METHANE/ ETHANE/ AL/ NA/ PR/ AR .+COMPILATION/ SCATTERING FUNCTION
 66-DI-01 DIFFERICH, TRIVISONNO NA .+EXPERIMENT .+SINGLE CRYSTAL/ 78 DK TO 195 DK/ ULTRASONIC PULSE ECHO TECHNIQUE
 66-PA-01 PASINI, RAHMANN NA .+THEORY/ LIQUID .+MOLECULAR POTENTIAL/ RADIAL DENSITY FUNCTION
 66-RO-01 ROSENSTOCK, BLANKEN NA/ NB/ MO/ TA/ W/ CU-ZN/ SN .+THEORY/ DISPERSION RELATION .+FORCE CONSTANTS FOR BORN-
 67-FE-01 FERZIGER, FEINSTEIN NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE .+SCATTERING THEORY/ GAS/ LIQUID/
 68-AG-02 AGRAWAL, DESAI+ NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE .+THEORY .+MODEL CALCULATION
 68-AR-01 ARDENTI, NARDELLI+ AR/ NA .+THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
 68-CO-04 COCKING NA/ PB .+EXPERIMENT/ LIQUID/ .+LIQUID DYNAMICS
 68-HO-01 HO THEORY-OF-SOLIDS/ NA/ K .+DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
 68-07-01 OZFLTON, SWALIN NA .+DIFFUSION COEFFICIENT/ LIQUID
 68-RA-02 RANDOLPH NA .+SCATTERING FUNCTION/ EXPERIMENT/ LIQUID .+375+8DK/ QUASI-ELASTIC/ INELASTIC
 68-RA-03 RANDOLPH NA .+EXPERIMENT/ TOF .+102DC/ SMALL MOMENTUM TRANSFER/ DIFFUSIVE AND COLLECTIVE EXCITATION
 68-SC-06 SCHNEIDER, STOLL NA/ MG/ AL .+THEORY/ LATTICE DYNAMICS .+ELECTRONIC STRUCTURE/ METAL
 69-CO-02 COCKING NA .+QUASI-ELASTIC PEAK/ TOF/ SCATTERING LAW/ MEAN SQUARE DISPLACEMENT/ EXPERIMENT/ LIQUID/ DIFF
 69-DF-02 DFSAI, YIP NA/ PR .+THEORY/ LIQUID/ SCATTERING FUNCTION .+LIQUID METAL
 69-IC-01 ICHIKAWA, SHIMOJI LI/ NA/ K/ HG/ PB .+DIFFUSION PARAMETER/ LIQUID/ THEORY .+LIQUID METAL/ FRICTION CONSTAN
 69-KR-01 KRFBS, HOFIZL LI/ NA/ K/ RR/ CI/ AL/ PB/ FEY/ NI/ PT/ COMPUTER-CODES .+PSUD-ION APPROXIMATION/ FITTING TO
 69-PR-01 PRAKASH, JOSHI NA .+DISPERSION RELATION/ SOLID/ THEORY/ LATTICE DYNAMICS .+PHONON/ POTENTIAL/ METAL
 69-PR-02 PRAKASH, JOSHI LI/ NA/ K/ RR/ CS .+DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYN
 70-BF-01 BEHARI, TRIPATHI NA .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION .+BCC METAL
 70-CO-04 COULTHARD SODIUM/ POTASSIUM/ ALUMINUM/ LEAD .+THEORY/ LATTICE VIBRATION/ DISPERSION RELATION .+PRESSURE
 70-GF-01 GELDART, TAYLOR+ NA .+DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ DEBYE TEMPERATURE/ THEORY/ LATTICE DYN
 70-JA-01 JAIN, SAXENA+ NA .+SCATTERING LAW/ THEORY/ LIQUID/ CORRELATION FUNCTION .+LIQUID METAL/ RESPONSE FUNCTION/
 70-KD-01 KOLLMANNSSFRGER, FRITSCH+ NA .+EXPERIMENT/ X-RAY/ LIQUID .+STRUCTURE FUNCTION/ 102DC/ 149DC
 70-KU-02 KUSHWAHA, RAJPUT THEORY-OF-SOLID/ NA/ K .+PHONON DISPERSION CURVE/ METAL/ BCC
 70-VA-01 VODOVIC, COLVER AG/ GA/ HG/ NA/ PB/ SN/ ZN .+THEORY/ SELF-DIFFUSION CONSTANT
 71-RA-01 BAJPAI, NEFLAKANDAN NA .+THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE/ AXIALLY SYMMETRIC MODEL

2+ 45 TA

TANTALUM

64-WO-02 WOODS TA .+EXPERIMENT/ SOLID/ DISPERSION RELATION
 65-WO-01 WOODS NB/ TA/ MO/ W .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 66-RO-01 ROSENSTOCK, BLANKEN NA/ NB/ MO/ TA/ W/ CU-ZN/ SN .+THEORY/ DISPERSION RELATION .+FORCE CONSTANTS FOR BORN-

2+ 46 TF

TELLURIUM

65-HU-01 HULIN TE .+THEORY/ SOLID/ LATTICE DYNAMICS

67-AX-01 AXMANN, GISSLER SE/ TE .+EXPERIMENT/ TOF/ POLYCRYSTAL
 68-GT-02 GISSLER, AXMANN+ SE/ TE .+EXPERIMENT/ SOLID/ LIQUID/ TOF/ 3-AXIS-SPECTROMETER .+340DC FOR SE/ 450DC FOR TF

2+ 47 TB

TERBIUM

70-HO-01 HOUIMANN, NICKLOW TB .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES/ CONST=-0 METHOD .+FREQUENCY SPECTRA

2+ 48 TL

THALLIUM

68-NO-01 NORTH, ENDERBY+ ZN/ TL/ PB/ SN/ BI .+EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS .+LIQUID METAL/ 340DC-1100D
 70-SH-01 SHARAN, BAJPAI BE/ MG/ TL .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION .+HEXAGONAL METAL

2+ 49 SN

TIN

61-PA-01 PALFSKY H2+O/ PB/ SN .+EXPERIMENT/ LIQUID .+ROOM TEMP., 45DC FOR H2+O/ 462DC FOR PB/ 350DC FOR SN/ BE-F
 62-BR-02 BROOKHOUSE, BERGSMAN+ SN/ H2+O/ AR/ HE .+EXPERIMENT/ LIQUID
 63-CO-04 COCKING, GUNER SN .+EXPERIMENT/ SOLID/ LIQUID
 63-FG-03 FGFL STAFF PB/ SN .+EXPERIMENT/ SCATTERING FUNCTION/ LIQUID
 63-MU-01 MUSGRAVE SN .+THEORY/ SOLID/ FREQUENCY DISTRIBUTION
 63-WO-01 WOLFRAM, LEHMAN+ SN .+THEORY/ SOLID/ DISPERSION RELATION
 64-DF-01 DE-WANFS, LEHMAN SN .+THEORY/ SOLID/ LATTICE DYNAMICS
 65-RO-01 BORGONOV, CAGLIOTI+ SN .+EXPERIMENT/ CRYSTAL SPECTROMETER/ DISPERSION RELATION .+ROOM TEMPERATURE/ BODY C
 65-BR-02 BROVMAN, KAGAN SN .+SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-CO-03 COCKING, EGELSTAFF PB/ SN .+EXPERIMENT/ LIQUID/ DISPERSION RELATION
 65-LO-01 LONG-PRICE SN .+EXPERIMENT/ TOF/ DISPERSION RELATION .+ROOM TEMPERATURE/ BODY CENTERED TETRAGONAL
 65-MU-01 MUSGRAVE SN .+THEORY/ SOLID/ LATTICE DYNAMICS
 65-PA-01 PALFSKY PB/ H2+O/ SN .+EXPERIMENT/ LIQUID
 65-RO-04 ROWF, BROOKHOUSE+ SN .+EXPERIMENT/ DISPERSION RELATION .+BODY CENTERED TETRAGONAL
 65-SC-02 SCHMUNK, GAUNI SN .+EXPERIMENT/ DISPERSION RELATION .+BODY CENTERED TETRAGONAL CRYSTAL
 66-FG-01 EGFL STAFF, DUFFILL+ PB/ SN/ BI/ ZN/ AL .+EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
 67-BR-02 BROVMAN, KAGAN SN/ SN+D2 .+DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS/ BORN-VON
 67-CH-01 CHFN SN .+GROUP THEORY/ LATTICE VIBRATION .+SYMMETRY PROPERTIES
 67-CO-01 COCKING AL/ PB/ BI/ RR/ SN .+SOLID/ LIQUID/ DISPERSION RELATION/ EXPERIMENT
 67-KA-02 KAY, RITTER SN .+SCATTERING AMPLITUDE/ EXPERIMENT
 67-MY-01 MYERS SN .+EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION .+COLD NEUTRON FACILITY/ ODC/
 67-PR-01 PRICE SN .+SOLID/ EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+CONDUCTION ELECTRON
 67-RO-01 ROWF SN .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+110DK
 68-NO-01 NORTH, ENDERBY+ ZN/ TL/ PB/ SN/ BI .+EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS .+LIQUID METAL/ 340DC-1100D
 69-PR-05 PRICE, ROWF SN .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES/ CONST=-0/ FREQUENCY SPECTRUM .+90DK/ 250

2+ 50 TI

TITANIUM

65-MO-03 MOZER, OTNFS+ NI/ V/ TI/ TI-7R .+EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION
 70-SH-04 SHARAN, BAJPAI V/ TI .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE

2+ 51 W

TUNGSTEN

Bibliography for Thermal Neutron Scattering

64-LH-01 CHFN+ BROCKHOUSE W .+EXPERIMENT/ SOLID/ DISPERSION RELATION
 65-WO-01 WOODS NB/ TA/ MO/ W .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
 66-RO-01 ROSENSTOCK+ BLANKEN NA/ NB/ MO/ TA/ W/ CU-ZN/ SN .+THEORY/ DISPERSION RELATION .+FORCE CONSTANTS FOR BORN-
 70-AL-01 ALFXANDROV+ KOESTER+ W .+EXPERIMENT/ SCATTERING AMPLITUDE/ SMALL ANGLE SCATTERING
 70-AL-02 ALFXANDROV+ BALAGUROV W .+EXPERIMENT/ DEBYE-WALLER FACTOR

2+ 52 U

URANIUM

66-BF-03 BESHAJ U/ U-02/ TH-02 .+EXPERIMENT/ TOTAL CROSS SECTION/ TOF
 66-ST-01 SIMPSON, MOORE U .+EXPERIMENT/ SIGMA(E) .+0.01FW=10000EV

2+ 53 V

VANADIUM

51-EG-01 EGFLSTAFF H/ RF/ V/ SE/ MO/ FF .+SOLID/ EXPERIMENT/ TRANSMISSION
 58-EI-01 EISENHAUER, PELAH+ V .+EXPERIMENT/ FREQUENCY DISTRIBUTION
 58-ST-01 STFWART, BROCKHOUSE V/ MN-CO .+EXPERIMENT/ FREQUENCY DISTRIBUTION
 61-TU-01 TURRERFIELD, EGFLSTAFF V .+EXPERIMENT/ SOLID/ FREQUENCY SPECTRUM
 62-TU-02 TURRERFIELD, EGFLSTAFF V .+EXPERIMENT
 63-HA-01 HAAS, KLEY+ V .+SCATTERING LAW/ FREQUENCY DISTRIBUTION
 63-PE-01 PELAH, HAAS+ V .+FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS
 61-7F-01 ZFMLYANOV, KAGAN+ V .+DISPERSION RELATION/ FREQUENCY SPECTRUM
 65-GL-01 GLAFSFR, CARVALHO+ V .+EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION/ TOF/ ROTATING CRYSTAL SPECTROMETER .+ROO
 65-MO-03 MD7FR, OTNFS+ NI/ V/ TI/ TI-2R .+EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION
 65-RU-01 RURIN, PERETTI+ V/ V-H .+EXPERIMENT/ SOLID/ .+ROOM TEMP. FOR V/ 150 DC FOR V-H/ LOCALIZED MODE IN V DUE TO
 65-SL-01 SLATER V/ SI/ CU/ NEUTRON-SCATTERING-IN-SOLIDS .+HARMONIC APPROXIMATION/ DEBYE APPROXIMATION
 67-RO-02 ROY, THAPFR+ V .+LATTICE DYNAMICS/ EXPERIMENT
 68-MO-01 MOZER V .+EXPERIMENT/ LATTICE DYNAMICS .+ALLOYS/ RESONANT, LOCALIZED MODES
 68-7F-01 ZEMIYANOV, MIRONOV+ V .+EXPERIMENT/ LATTICE DYNAMICS .+ALLOY/ LOCAL MODE
 69-BL-01 BLAFSSFR, PERETTI+ NEUTRON-SCATTERING-IN-SOLIDS/ V .+THEORY/ HYDROGEN/ INTERSTITIAL .+NUMERICALS
 70-CO-01 COFFLLA, BATTERMAN V .+EXPERIMENT/ X-RAY THERMAL DIFFUSE SCATTERING/ LATTICE DYNAMICS/ DISPERSION CURVES/
 70-KF-03 KFATING V .+EXPERIMENT/ PHONON FREQUENCY DISTRIBUTION

2+ 54 XF

XENON

70-GL-01 GLYDE NE/ AR/ KR/ XF .+THEORY/ ANHARMONICITY
 70-LF-01 LEFCH, REISSLAND NE/ AR/ KR/ XF .+THEORY/ LATTICE DYNAMICS/ ANHARMONICITY .+THERMODYNAMICAL PROPERTIES
 70-LF-02 LEFCH, REISSLAND NF/ AR/ KR/ XF .+THEORY/ ANHARMONICITY .+SPECIFIC HEAT/ DEBYE TEMPERATURE/ THERMAL EXPANS

2+ 55 Y

YTTRIUM

70-LA-02 LAHTEENKORVA MG/ Y/ HO .+DISPERSION RELATION/ HARMONIC APPROXIMATION/ THEORY/ SOLID/ LATTICE DYNAMICS .+EL
 70-SH-04 SHARAN, BAJPAI Y/ TI .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE
 70-ST-04 SINHA, BRUN+ Y .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+MODIFIED AXIALLY SYMMETRIC MODEL FITT

2+ 56 ZN

ZINC

63-RA-02 BARGONOV, CAGLIOTI+ ZN .+EXPERIMENT/ SOLID/ DISPERSION RELATION

63-MA-02 MALISZEWSKI, SOSNOWSKI+ ZN/ CU/ MG .+EXPERIMENT
 64-YO-02 YOUNG, KOPPEL BE/ MG/ ZN .+THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS .+ROOT SAMPLING METHOD
 65-DF-01 DE-WAMES, WOLFRAM+ RF/ ZN .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
 65-HO-02 HOLAS ZN .+LATTICE DYNAMICS/ SOLID/ DISPERSION RELATION
 65-MA-02 MALISZEWSKI, ROSULAWSKI+ ZN .+EXPERIMENT/ SOLID/ DISPERSION RELATION
 66-FG-01 FGFI STAFF, DUFFILL+ PB/ SN/ RI/ ZN/ AI .+EXPERIMENT/ LIQUID/ STRUCTURE FACTOR
 68-BR-01 BROVMAN, KAGAN+ BE/ MG/ ZN .+THEORY/ LATTICE DYNAMICS
 68-CA-01 CAGLIOTI, RIZZI+ ZN .+EXPERIMENT/ LATTICE DYNAMICS/ ANHARMONIC CONTRIBUTION
 68-IY-02 IYENGAR, VENKATARAMAN+ ZN .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .+KOHN EFFECT
 68-NO-01 NORTHD, ENDERBY+ ZN/ TI/ PB/ SN/ RI .+EXPERIMENT/ LIQUID/ STATISTICAL MECHANICS .+LIQUID METAL/ 340DC-1100D
 69-GI-02 GILAT, RIZZI+ RF/ MG/ ZN .+THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE .+METAL/ MODEL POTENTIAL CALCULATION
 69-MC-01 MCDONALD, FLCOMBE+ ZINC .+EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ CONST-Q METHOD
 69-MF-02 METZBOWER, BE/ MG/ ZN .+DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS .+NONCENTRAL-FORCE/ FIVE FORCE
 69-MI-01 MILLINGTON, SQUIRES ZN .+DISPERSION RELATION
 70-CA-01 CAGLIOTI, RIZZI+ ZN .+EXPERIMENT/ LATTICE VIBRATION .+TEMPERATURE DEPENDENCE/ 80-6700K
 70-PR-01 PRAKASH, JOSHI BE/ MG/ ZN .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION .+SINGLE-ORTHOGONALIZED-PLANER-WA

2+ 57 ZR

ZIRCONIUM

70-SH-03 SHARAN, BAJPAI ZR/ HF .+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ DEBYE TEMPERATURE

3 ALLOYS

3. 1 AL-TH-H ALUMINUM-THORIUM HYDRIDE
61-RF-02 BERGSMA, GOEDKOOP PD=H/ AL-TH-H/ CA=H ++EXPERIMENT/ FREQUENCY DISTRIBUTION
3. 2 BA-H BARIUM HYDRIDE
70-MA-02 MAFLAND YB=H/ CA=H/ SR=H/ BA=H ++EXPERIMENT/ FREQUENCY SPECTRUM
3. 3 BA-LI-H BARIUM-LITHIUM HYDRIDE
69-MA-01 MAFLAND BA-LI-H/ SR-LI-H ++EXPERIMENT/ SPECTRAL DENSITY ++PEROVSKITE STRUCTURE/ BA-LI-H3/ SR-LI-H3
3. 4 BI-PB BISMUTH-LEAD
68-NG-01 NG, BROCKHOUSE PB-TI/ BI-TL/ BI-PB/ BI-PB-TL ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ++1000K/
64-SC-02 SCHUMACHER BI-PB ++EXPERIMENT
3. 5 BI-PB-TL BISMUTH-LEAD-THALLIUM
68-NG-01 NG, BROCKHOUSE PR-TI/ BI-TL/ BI-PR/ BI-PR-TL ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ++1000K/
3. 6 BI-TL BISMUTH-THALLIUM
68-NG-01 NG, BROCKHOUSE PR-TI/ BI-TL/ BI-PR/ BI-PR-TL ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ++1000K/
3. 7 BI-ZN BISMUTH-ZINC
67-FG-03 EGELSTAFF, WIGNALL BI-ZN ++EXPERIMENT/ LIQUID ++QUASI-ELASTIC SCATTERING/ CONCENTRATION FLUCTUATION
3. 8 CA-H CALCIUM HYDRIDE
61-RF-02 BERGSMA, GOEDKOOP PD=H/ AL-TH-H/ CA=H ++EXPERIMENT/ FREQUENCY DISTRIBUTION
70-MA-02 MAFLAND YB=H/ CA=H/ SR=H/ BA=H ++EXPERIMENT/ FREQUENCY SPECTRUM
3. 9 CF-H CERIUM HYDRIDE
67-KA-01 KARIMOV, BRODMAN+ TH=H/ U=H/ CF=H ++LATTICE DYNAMICS/ THEORY
68-KA-03 KARIMOV, BRODMAN+ CF=H/ TH=H/ U=H ++LATTICE DYNAMICS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ++TOF/ 20DC
3. 10 CS-H CESIUM HYDRIDE
3. 11 CR-W CHROMIUM-TUNGSTEN
65-MO-02 MOELLER, MACKINTOSH CR-W ++DISPERSION RELATION/ EXPERIMENT/ LATTICE DYNAMICS ++DISORDERED ALLOY
3. 12 CU-AL COPPER-ALUMINIUM
68-NI-01 NICKLOW, VIJAYARAGHAVAN+ CU-AL ++EXPERIMENT/ LATTICE VIBRATION ++LOCAL MODE
3. 13 CU-BE COPPER-BERYLLIUM
68-NA-03 NATKANIEC, PARLINSKI+ CU-BE/ CU-MG/ PB-NA/ PR-MG ++EXPERIMENT/ LATTICE DYNAMICS ++ALLOY/ LOCAL VIBRATION
3. 14 CU-AU COPPER-GOLD
65-SV-01 SVENSSON, BROCKHOUSE+ CU-AU ++EXPERIMENT/ DISPERSION RELATION ++3-AXIS-SPECTROMETER/ DISORDERED ALLOYS
67-SV-01 SVENSSON, BROCKHOUSE CU-AU ++LATTICE DYNAMICS/ EXPERIMENT ++CONSTANT-Q METHODS/ ROOM TEMP.
3. 15 CU-MG COPPER-MAGNESIUM
68-NA-03 NATKANIEC, PARLINSKI+ CU-BE/ CU-MG/ PB-NA/ PR-MG ++EXPERIMENT/ LATTICE DYNAMICS ++ALLOY/ LOCAL VIBRATION
3. 16 CU-NI COPPER-NICKEL
68-SA-01 SAKAMOTO, HAMAGUCHI CU-NI ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ++ALLOYS
69-MO-03 MOZER, PRICE+ CU-NI ++LIQUID/ SOLID/ EXPERIMENT/ ++NEAR THE MELT
3. 17 CU-ZN COPPER-ZINC
64-DO-01 DOLLING, GILAT CU-ZN ++EXPERIMENT/ DISPERSION RELATION
65-DO-02 DOLLING, GILAT CU-ZN ++EXPERIMENT/ DISPERSION RELATION ++296DK/ PHASE TRANSITION
65-GI-02 GILAT, DOLLING CU-ZN ++EXPERIMENT/ DISPERSION RELATION/ LATTICE VIBRATION ++296DK/ ALLOYS
69-AL-01 ALS-NIELSEN CU-ZN ++NEUTRON DIFFRACTION/ SHORT RANGE ORDER PARAMETER
69-HA-01 HALLMAN, BROCKHOUSE NI-FE/ CU-ZN ++DISPERSION RELATION/ CONSTANT-Q METHOD/ FREQUENCY DISTRIBUTION ++FCC AL
3. 18 FE-AL IRON-ALUMINIUM
68-VA-02 VAN-DIJK, BERGSMA FE/ FE-AL ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
70-VA-02 VAN-DIJK FE-AL ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES ++BORN VON-KARMAN FIT/ 3RD NEIGHBOURS/
70-VA-03 VAN-DIJK FE/ FE-AL ++EXPERIMENT/ LATTICE DYNAMICS/ PHONON DISPERSION

3. 19 LA-H LANTHANUM HYDRIDE
3. 20 PR-MG LEAD-MAGNESIUM
68-NA-03 NATKANIEC, PARLINSKI+ CU-BF/ CU-MG/ PR-NA/ PR-MG ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL VIBRATION
3. 21 PR-NA LEAD-SODIUM
68-NA-03 NATKANIEC, PARLINSKI+ CU-BF/ CU-MG/ PR-NA/ PR-MG ..EXPERIMENT/ LATTICE DYNAMICS ..ALLOY/ LOCAL VIBRATION
3. 22 PR-TL LEAD-THALLIUM
68-NG-01 NG, BROCKHOUSE PB-TI/ BI-TI/ RI-PR/ RI-PB-TL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..100DC/
69-RO-01 ROWELL, MCMILLAN+ PR/ PR-TL ..EXPERIMENT/ SPECTRAL DENSITY ..TUNNELING EXPERIMENT
3. 23 MG-H MAGNESIUM HYDRIDE
58-MC-01 MCREFYNOLDS, NELKIN+ H₂O/ POLYETHYLENE/ ZR-H/ MG-H/ GRAPHITE ..EXPERIMENT/ THEORY/ LIQUID/ SOLID
3. 24 MN-CO MANGANESE-COBALT
58-ST-01 STEWART, BROCKHOUSE V/ MN-CO ..EXPERIMENT/ FREQUENCY DISTRIBUTION
3. 25 NI-FE NICKEL-IRON
69-HA-01 HALLMAN, BROCKHOUSE NI-FF/ CU-ZN ..DISPERSION RELATION/ CONSTANT-Q METHODS/ FREQUENCY DISTRIBUTION ..FCC AL
3. 26 NI-PD NICKEL-PALLADIUM
62-MO-01 MOZFR, OTNES+ NI-PD ..EXPERIMENT/ LATTICE VIBRATION ..EFFECT MODE/ DISORDERED ALLOYS
63-MO-01 MOZFR, OTONES NI/ PD/ NI-PD ..EXPERIMENT/ LATTICE DYNAMICS ..IMPURITY MODE
3. 27 NB-H NEONIUM HYDRIDE
65-KL-01 KLFY, PERETTI+ V-H/ NB-H/ PD-H ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..50DC FOR V-H/ 33DC FOR NB-H.
67-BI-01 RISCHOFF, BRYANT+ POLYETHYLENE/ H₂O/ ZR-H/ NB-H/ U-O₂ ..EXPERIMENT
67-PA-03 PAN, YEATER+ ZR-H/ NB-H/ TI-H/ U-C ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-PI-01 PUROHIT, PAN+ U-C/ U-O₂/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-VF-01 VEROAN, RUBIN+ V-H/ NB-H ..EXPERIMENT/ LATTICE DYNAMICS ..200DC
70-RU-01 RUBIN, CLAESSEN TB-H/ NA-H ..SOLID/ QUASI-ELASTIC PEAK
3. 28 NR-MO NEONIUM-MOLYBDENUM
69-WO-02 WOODS, POWELL NR-MO ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS ..DISORDERED ALLOYS
68-PO-01 POWELL, MARTEL+ NR-MO ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ..ROOM TEMP./ ALLOY/ KOHN EFFECT
3. 29 PD-H PALLADIUM HYDRIDE
61-BF-02 BERGSMA, GOEDKOOP PD-H/ AL-TM-H/ CA-H ..EXPERIMENT/ FREQUENCY DISTRIBUTION
65-KL-01 KLEY, PERETTI+ V-H/ NB-H/ PD-H ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..50DC FOR V-H/ 33DC FOR NB-H.
66-SK-01 SKOFID, NELIN PD-H ..EXPERIMENT/ DIFFUSION BROADNING
67-SK-03 SKOFID, NELIN PD-H ..HYDROGEN DIFFUSION
3. 30 PD-FE PALLADIUM-IRON
70-MA-03 MALISZFWSKI, SOSNOWSKI+ PD-FF ..EXPERIMENT/ PHONON DISPERSION CURVE
3. 31 SR-H STRONTIUM HYDRIDE
70-MA-02 MAFLAND YB-H/ CA-H/ SR-H/ BA-H ..EXPERIMENT/ FREQUENCY SPECTRUM
3. 32 SR-LI-H STRONTIUM-LITHIUM HYDRIDE
69-MA-01 MAFLAND BA-LI-H/ SR-LI-H ..EXPERIMENT/ SPECTRAL DENSITY ..PEROVSKITE STRUCTURE/ BA-LI-H₃/ SR-LI-H₃
3. 33 TA-NB TANTALUM-NIOBIUM
68-AL-02 ALS-NIFLSEN TA-NB ..EXPERIMENT/ LATTICE DYNAMICS ..CRYSTAL SPECTROMETER/ LOCALIZED PHONON
3. 34 TB-H TERBIUM HYDRIDE
70-RU-01 RUBIN, CLAESSEN TB-H/ NA-H ..SOLID/ QUASI-ELASTIC PEAK
3. 35 TH-H THORIUM HYDRIDE
67-KA-01 KARIMOV, BROVMAN+ TH-H/ U-H/ CF-H ..LATTICE DYNAMICS/ THEORY
68-KA-03 KARIMOV, BROVMAN+ CF-H/ TH-H/ U-H ..LATTICE DYNAMICS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..TOF/ 20DC
3. 36 TI-H TITANIUM HYDRIDE
63-SA-02 SAUNDERSON, COOKING TI-H ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION
66-RR-02 BROCKFREY, N-H₄-CL/ N-H₄-BR/ N-H₄-I/ ZR-H/ TI-H ..SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
67-PA-03 PAN, YEATER+ ZR-H/ NB-H/ TI-H/ U-C ..EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-PI-01 PUROHIT, PAN+ U-C/ U-O₂/ ZR-H/ TI-H/ NB-H/ TH-H ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT

3. 37 Ti-Zr

TITANIUM-ZIRCONIUM

63-CH-01 CHERNOPLEKOV, ZFMLYANOV+ TI=7R ++FREQUENCY DISTRIBUTION/ EXPERIMENT ++ALLOY
65-MO-03 MOZFR, OTNES+ NI/ V/ Ti/ Ti=7R ++EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION

3. 38 U-H

URANIUM HYDRIDE

67-KA-01 KARIMOV, BROVMAN+ TH=H/ U=H/ CF=H ++LATTICE DYNAMICS/ THEORY
68-KA-03 KARIMOV, BROVMAN+ CF=H/ TH=H/ U=H ++LATTICE DYNAMICS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ++TOF/ 20DC

3. 39 V-H

VANADIUM HYDRIDE

65-KI-01 KLFY, PERETTI+ V=H/ NB=H/ PD=H ++EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ++50DC FOR V=H/ 33DC FOR NB=H/
65-RU-01 RUBIN, PERETTI+ V/ V=H ++EXPERIMENT/ SOLID/ ++ROOM TEMP, FOR V/ 150 DC FOR V=H/ LOCALIZED MODE IN V DUE TO
68-RU-01 RUSH, FLOTOW V=H ++FREQUENCY DISTRIBUTION/ EXPERIMENT
68-VF-01 VERDAN, RUBIN+ V=H/ NB=H ++EXPERIMENT/ LATTICE DYNAMICS ++200DC

3. 40 Y-H

YTTRIUM HYDRIDE

65-WH-01 WHITEMORE POLYFTHYLNE/ GRAPHITE/ METHANE/ ZR=H/ Y=H/ LA=H ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING

3. 41 YB-H

YTTERBIUM HYDRIDE

70-MA-02 MAFLAND YB=H/ CA=H/ SR=H/ BA=H ++EXPERIMENT/ FREQUENCY SPECTRUM

3. 42 ZR-H

ZIRCONIUM HYDRIDE

57-AN-01 ANDFRSON, MCFLYNOLDS+ ZR=H ++EXPERIMENT/ SIGMA (E,E=PRIME,THETA)
58-MC-01 MCFLYNOLDS, NELKIN+ H2+O/ POLYETHYLENE/ ZR=H/ MG=H/ GRAPHITE ++EXPERIMENT/ THEORY/ LIQUID/ SOLID
61-BR-03 BRUGGER ZR=H/ H2+O/ BN7FNF/ PARAFFINE/ ALCOHOL ++SIGMA (E,E=PRIME,THETA)/ EXPERIMENT/ LIQUIDS/ TOF
61-WO-01 WOODS, BROCKHOUSE+ GRAPHITE/ H2+O/ D2+O/ ZR=H/ Li,H/ Na,H,Al,CL ++EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
62-LF-01 LEHMAN, WOLFRAM+ Cu/ Al/ ZR=H ++THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION
64-SP-01 SPRINGER, HOFMYER+ H2+D/ D2+O/ PHENYL/ ZR=H ++EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ++AVE-MU
65-BE-02 BEYSTER, YOUNG+ H2+O/ D2+O/ ZR=H ++EXPERIMENT/ DIFFUSION PARAMETER ++AVE-MU
65-GI-03 GLAFSER, EHRET+ C6+H6/ H2+O/ ZR=H ++SCATTERING LAW/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ++20DC FOR
65-HA-04 HARLING, LEONARD-JR ZR=H ++EXPERIMENT/ LATTICE DYNAMICS ++INCOHERENT/ TOF/ 295DK
65-KO-02 KORNBLICHLER D2+O/ ZR=H ++EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER
65-WH-01 WHITEMORE POLYFTHYLNE/ GRAPHITE/ METHANE/ ZR=H/ Y=H/ LA=H ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING
65-WH-03 WHITEMORE ZR=H ++EXPERIMENT ++HIGH-ENERGY INCIDENT NEUTRONS
66-AN-02 ANTIKE, BEYSTER+ BF=O/ H2+O/ D2+O/ ZR=H ++EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
66-BF-06 BEYSTER, NEILL+ H2+O/ D2+O/ ZR=H/ GRAPHITE/ BE=O ++NEUTRON SPECTRUM/ COMPIILATION/ LIQUID/ GAS
66-BR-07 BROFCXFR N+H4,CL/ N+H4,BR/ N+H4,17 ZR=H/ Ti=H ++SIGMA(E)/ EXPRIMENT/ CRYSTAL SPECTROMETER
66-IS-01 ISHMAEV, MOSTOVOI+ ZR=H ++THEORY/ SOLID/ NEUTRON SPECTRUM
66-KO-03 KOPPEL POLYFTHYLENE/ ZR=H/ H2+O ++SCATTERING FUNCTION/ SCATTERING CROSS SECTION/ NEUTRON SPECTRUM
66-KO-04 KOPPEL H2+O/ POLYETHYLENF/ ZR=H/ H ++CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEOFY/ LIQUID/ SO
67-BE-03 BEYSTER, BORGONOV+ C+H2/ C6+H6/ ZR=H ++EXPERIMENT

67-BI-01 BISCHOFF, BRYANT+ POLYETHYLENF/ H2+O/ ZR=H/ NB=H/ U=O2 ++EXPERIMENT
67-CA-02 CARRIVFAU ZR=H ++ANGULAR DISTRIBUTION/ TEMPERATUR EFFFCFT
67-PA-03 PAN, YEATER+ ZR=H/ NB=H/ Ti=H/ U,C ++EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-BF-03 BEYSTER, BORGONOV+ BIPHENYL/ ZR=H/ U,O2 ++LATTICE DYNAMICS/ SCATTERING FUNCTION
68-BF-04 BEYSTER, BORGONOV+ C+H2/ ZR=H/ C6+H6 ++EXPERIMENT/ MOLECULAR DYNAMICS
68-GI-01 GLAFSER H2+O/ ZR=H/ GRAPHITE/ D2+O, RE/ BF=O ++COMPILEATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
68-GL-02 GLAFSER H2+O/ D2+O/ ZR=H/ GRAPHITE/ RE/ RE=O ++SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILEATION
68-PU-01 PUROHIT, PAN+ U,C/ U,O2/ ZR=H/ Ti=H/ NB=H/ TH=H ++SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-SL-01 SLAGGIF ZR=H ++THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ++ROOT SAMPLING METHOD
68-SL-02 SLAGGIF H2+O/ ZR=H ++THEORY/ CROSS SECTION EVALUATION
68-TH-01 THORSON ZR=H/ U,O2 ++SCATTERING FUNCTION/ EXPERIMENT/ SOLID ++DIFFERENTIAL SCATTERING CROSS SECTION
69-CA-02 CARRIVFAU, BORGONOV+ ZR=H ++SIGMA (THETA,F)/ SOLID ++750DK/ ROOMTEMPERATUR
69-SL-02 SLAGGIF ZR=H ++THEORY/ ANHARMONICITY/ FREQUENCY DISTRIBUTION ++300DK/ 800DK

4 INORGANIC COMPOUNDS

4. 1 N+H3

41-SA-01 SACHS, TELLER+ NEUTRON-SCATTERING-IN-FLUIDS/ H2/ C+H4/ N+H3/ H2+O ++SCATTERING THEORY ++MOLECULAR GASES
 60-RU-01 RUSH, TAYLOR+ N+H3/ N+H4,1/ N+H4,RR/ N+H4,CL/ N+H4,F ++EXPERIMENT/ MOLECULAR DYNAMICS ++TOTAL CROSS SECTION
 63-JA-02 JANIK, JANIK+ C+H4/ N+H3/ H2,S/ H2,O ++SIGMA(E)/ EXPERIMENT/ LIQUID
 63-JA-03 JANIK, RZANY+ N+H3 ++EXPERIMENT/ TOTAL CROSS SECTION/ LIQUID
 63-WF-01 WEBB C+H4/ N+H3/ H2 ++SIGMA(E-E-PRIME+THETA)/ EXPERIMENT/ GAS ++ROOM TEMPERATURE
 64-C7-01 CZFRUNCZAKIWICZ, KOWALSKA N+H3 ++GASF/ MOLECULE/ EXPERIMENT/ SIGMA(F, E-PRIME)
 64-VA-01 VAN-D'INGENEN, NEVEDE-MVERGNIES ACETYLENE/ AMMONIA/ METHANE ++TOTAL CROSS SECTION/ EXPERIMENT/ SOLID ++LONG
 63-ST-05 STRONG, HARKER+ AMMONIA/ HYDROGEN SULFIDE ++EXPERIMENT/ GAS/ CROSS SECTION EVALUATION ++MTR-PHASE=CHOPPER
 67-OK-01 OKA N+H3 ++MOLECULE DYNAMICS/ THEORY/ FREQUENCY DISTRIBUTION
 67-WF-01 WEBB METHANE/ AMMONIA ++GAS/ EXPERIMENT/ NEUTRON SPECTRUM ++20DK
 68-AG-01 AGRAWAL, YIP C+H4/ H,CL/ N+H3 ++GAS/ THEORY/ CORRELATION FUNCTION ++INCOHERENT/ INTERMEDIATE SCATTERING FUNCTION
 68-JA-02 JANIK C+H4/ H2,O/ N+H3/ L12,S104,H2,O/ H3,O,N,O/ C+H3,I ++EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR

4. 2 N+H4+N3

AMMONIUM AZIDE

66-RU-02 BOUTIN, TREVINO+ N+H4+N3 ++EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS

4. 3 N+H4+BR

AMMONIUM BROMIDE

60-RU-01 RUSH, TAYLOR+ N+H3/ N+H4,1/ N+H4,RR/ N+H4,CL/ N+H4,F ++EXPERIMENT/ MOLECULAR DYNAMICS ++TOTAL CROSS SECTION
 62-RU-01 RUSH, TAYLOR+ N+H4,CL/ N+H4,1/ N+H4,F/ N+H4,BR/ BENZENE/ MESITYLENE/ XYLENE ++EXPERIMENT/ TOTAL C
 63-JA-01 JANIK C+H4/ N+H4,1/ N+H4,CL/ N+H4,RR/ N+H4,S,O,F ++SIGMA(F)/ SIGMA(E-E-PRIME+THETA)/ EXPERIMENT/ THE
 63-MI-02 MIKKE, KROH N+H4,CL/ N+H4,RR/ N+H4,F/ N+H4,N,O3 ++LATTICE DYNAMICS/ EXPERIMENT ++INVERTED FILTER METHOD
 63-VF-01 VENKATARAMAN, USHA+ N+H4,CL/ N+H4,BR ++EXPERIMENT
 65-BA-01 BAJOREK, MACHEKHINA+ N+H4,CL/ N+H4,BR/ N+H4,1/ N+H4,F/ N+H4,N,O1/ N+H4,C,N,S/ (N+H4)2+S,O4/ (N+H4)2+S2,O8/
 66-BR-02 BROCKLER N+H4,CL/ N+H4,BR/ N+H4,1/ 7R-H/ TI-H ++SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
 68-LF-02 LEUNG, TAYLOR+ N+H4,F/ N+H4,CL/ N+H4,RR/ N+H4,1/ (N+H4)2+S,O4/ (N+H4)2+CR2,O7/ N+H4,CL,O4 ++EXPERIMENT/ TO

4. 4 N+H4+CL

AMMONIUM CHLORIDE

60-RU-01 RUSH, TAYLOR+ N+H3/ N+H4,1/ N+H4,RR/ N+H4,CL/ N+H4,F ++EXPERIMENT/ MOLECULAR DYNAMICS ++TOTAL CROSS SECTION
 62-RU-01 RUSH, TAYLOR+ N+H4,CL/ N+H4,1/ N+H4,F/ N+H4,RR/ BENZENE/ MESITYLENE/ XYLENE ++EXPERIMENT/ TOTAL C
 63-JA-01 JANIK C+H4/ N+H4,1/ N+H4,CL/ N+H4,RR/ N+H4,S,O,F ++SIGMA(F)/ SIGMA(E-E-PRIME+THETA)/ EXPERIMENT/ THE
 63-MI-02 MIKKE, KROH N+H4,CL/ N+H4,RR/ N+H4,F/ N+H4,N,O3 ++LATTICE DYNAMICS/ EXPERIMENT ++INVERTED FILTER METHOD
 63-VF-01 VENKATARAMAN, USHA+ N+H4,CL/ N+H4,BR ++EXPERIMENT
 65-BA-01 BAJOREK, MACHEKHINA+ N+H4,CL/ N+H4,BR/ N+H4,1/ N+H4,F/ N+H4,N,O3/ N+H4,C,N,S/ (N+H4)2+S,O4/ (N+H4)2+S2,O8/
 66-BR-02 BROCKLER N+H4,CL/ N+H4,BR/ N+H4,1/ 7R-H/ TI-H ++SIGMA(E)/ EXPERIMENT/ CRYSTAL SPECTROMETER
 68-CH-01 CHEN, DVORAK HEXAMETHYLENETETRAAMINE/ ADAMANTANE/ N+H4,CL ++THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ D
 68-LF-02 LEUNG, TAYLOR+ N+H4,F/ N+H4,CL/ N+H4,RR/ N+H4,1/ (N+H4)2+S,O4/ (N+H4)2+CR2,O7/ N+H4,CL,O4 ++EXPERIMENT/ TO
 69-SM-01 SMITH, TRAYLOR+ N+H4,CL ++EXPERIMENT/ SOLID/ LATTICE DYNAMICS ++TRIPLE-AXIS-SPECTROMETER
 69-TF-01 TEH, BROCKHOUSE+ N+H4,CL ++EXPERIMENT/ CONST-Q METHOD/ LATTICE DYNAMICS/ DISPERSION RELATION ++DEUTERATED

4. 5 (N+H4)2+CR2,O4

AMMONIUM CHROMATE

61-RU-01 RUSH, TAYLOR+ K+H2+P,O4/ (N+H4)2+CR2,O4/ (N+H4)2+CR2,O7/ N+H4,C,N,S/ N+H4,CL,O4 ++EXPERIMENT/ MOLECULAR DYNAMICS
 62-RU-02 RUSH, SAFFORD+ N+H4,P,F6/ (N+H4)2+S2,O8/ (N+H4)2+CR2,O4/ N+H4,S,O3,F/ DIMETHYLAcrylene ++EXPERIMENT/ MOLECULAR DYNAMICS

4. 6 (N+H4)2+CR2,O7

AMMONIUM DICROMATE

61-RU-01 RUSH, TAYLOR+ K+H2+P,O4/ (N+H4)2+CR2,O4/ (N+H4)2+CR2,O7/ N+H4,C,N,S/ N+H4,CL,O4 ++EXPERIMENT/ MOLECULAR DYNAMICS

4. 7 N+H4+H2+P,O4

AMMONIUM DIHYDROGEN ORTHOPHOSPHATE

69-MF-01 MFISTER, SKALYD+ N+H4+H2+P,O4 ++EXPERIMENT/ SOLID ++QUASI-ELASTIC NEUTRON SCATTERING / TEMPERATURE DEPENDENCE

4. 8 (N+H4)2+S2,O8

AMMONIUM DISULFATE

62-RU-02 RUSH, SAFFORD+ N+H4,P,F6/ (N+H4)2+S2,O8/ (N+H4)2+CR2,O4/ N+H4,S,O3,F/ DIMETHYLAcrylene ++EXPERIMENT/ MOLECULAR DYNAMICS
 63-BR-01 BRAJOVIC, BOUTIN+ N+H4,P,F6/ N+H4,1/ (N+H4)2+S2,O8/ N+H4,S,O3,F ++EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS

4. 9 (N+H4)2+BF,F4

AMMONIUM FLUORERYLLATE

65-RU-02 RUSH, TAYLOR K4,FF+(C+N)6/ (N+H4)2+S,O4/ N+H4,H,S,O4/ (N+H4)2+BF,F4 ++EXPERIMENT/ MOLECULAR LATTICE DYNAMICS

4. 10 N+H4+F

AMMONIUM FLUORIDE

60-RU-01 RUSH, TAYLOR+ N+H3/ N+H4,1/ N+H4,RR/ N+H4,CL/ N+H4,F ++EXPERIMENT/ MOLECULAR DYNAMICS ++TOTAL CROSS SECTION
 62-RU-01 RUSH, TAYLOR+ N+H4,CL/ N+H4,1/ N+H4,F/ N+H4,BR/ BENZENE/ MESITYLENE/ XYLENE ++EXPERIMENT/ TOTAL C
 63-MI-02 MIKKE, KROH N+H4,CL/ N+H4,RR/ N+H4,F/ N+H4,N,O3 ++LATTICE DYNAMICS/ EXPERIMENT ++INVERTED FILTER METHOD
 65-RA-01 BAJOREK, MACHEKHINA+ N+H4,CL/ N+H4,RR/ N+H4,1/ N+H4,F/ N+H4,N,O1/ N+H4,C,N,S/ (N+H4)2+S,O4/ (N+H4)2+S2,O8/
 68-LF-02 LEUNG, TAYLOR+ N+H4,F/ N+H4,CL/ N+H4,RR/ N+H4,1/ (N+H4)2+S,O4/ (N+H4)2+CR2,O7/ N+H4,CL,O4 ++EXPERIMENT/ TO

4. 11 (N+H4)2,SI,F6

AMMONIUM FLUOSILICATE

66-SC-01 SCHLEMPER, HAMILTON (N+H4)2,SI,F6 ++EXPERIMENT/ NEUTRON SPECTROSCOPY

4. 12 N+H4,S,O3,F

AMMONIUM FLUOSULFONATE

62-RU-02 RUSH, SAFFORD+ N+H4,P,F6/ (N+H4)2+S2,O8/ (N+H4)2+CR2,O4/ N+H4,S,O3,F/ DIMETHYLAcrylene ++EXPERIMENT/ MOLECULAR DYNAMICS
 63-BR-01 BRAJOVIC, BOUTIN+ N+H4,P,F6/ N+H4,1/ (N+H4)2+S2,O8/ N+H4,S,O3,F ++EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
 63-JA-01 JANIK C+H4/ N+H4,1/ N+H4,CL/ N+H4,RR/ N+H4,S,O3,F ++SIGMA(F)/ SIGMA(E-E-PRIME+THETA)/ EXPERIMENT/ THE

4. 13 N+H4,P,F6

AMMONIUM HEXAFLUOPHOSPHATE

62-RU-02 RUSH+ SAFFORD+ N+H4.P+F6/ (N+H4)2.S2.O8/ (N+H4)2.CR.O4/ N+H4.S.O3.F/ DIMETHYLACETYL FINE ..EXPERIMENT/ MOLEC
 63-BR-01 BRAJOVIC+ BOUTIN+ N+H4.P+F6/ N+H4.I/ (N+H4)2.S2.O8/ N+H4.S.O3.F ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAM
 64-JA-01 JANIK+ JANIK+ C+H4/ C+H3.I/ DIMETHYLACETYLENE/ N+H4.CL.O4/ N+H4.P+F6/ H3.O+CL.O4/ DIMETHOXYAZOXYBENZENE

4+ 14 N+H4.H+S.O4 AMMONIUM HYDROGEN SULFATE
 65-RU-02 RUSH+ TAYLOR K+FE.(C+N)6/ (N+H4)2.S.O4/ N+H4.H+S.O4/ (N+H4)2.BF.F4 ..EXPERIMENT/ MOLECULAR LATTICE DYNAMI

4+ 15 N+H4.I AMMONIUM IODIDE
 60-RU-01 RUSH+ TAYLOR+ N+H3.N+H4.I/ N+H4.BR/ N+H4.CL/ N+H4.F ..EXPERIMENT/ MOLECULAR DYNAMICS ..TOTAL CROSS SECTIO
 62-RU-01 RUSH+ TAYLOR+ N+H4.CL/ N+H4.I/ N+H4.F/ N+H4.BR/ BENZENE/ MESITYLENE/ XYLENE ..EXPERIMENT/ TOTAL C
 63-BR-01 BRAJOVIC+ BOUTIN+ N+H4.P+F6/ N+H4.I/ (N+H4)2.S2.O8/ N+H4.S.O3.F ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAM
 63-JA-01 JANIK C+H4/ N+H4.I/ N+H4.CL/ N+H4.BR/ N+H4.S.O3.F ..SIGMA(F)/ SIGMA(E,F-PRIME,THETA)..EXPERIMENT/ THE
 65-RA-01 BAJOREK+ MACHEKHINA+ N+H4.CL/ N+H4.BR/ N+H4.I/ N+H4.F/ N+H4.N.O3/ N+H4.C.N.S/ (N+H4)2.S.O4/ (N+H4)2.S2.O8/
 66-KO-02 BROFCKFR N+H4.CL/ N+H4.BR/ N+H4.I/ 7R-H/ TI-H ..SIGMA(E)..EXPERIMENT/ CRYSTAL SPECTROMETER
 66-KO-05 KOSALY+ SOLT C+H4/ N+H4.I ..THEORY/ DIFFERENTIAL CROSS SECTION ..860K FOR C+H4/ ROOM TEMP..FOR N+H4.I
 68-LF-02 LEUNG+ TAYLOR+ N+H4.F/ N+H4.CL/ N+H4.BR/ N+H4.I/ (N+H4)2.S.O4/ (N+H4)2.CR2.07/ N+H4.CL.O4 ..EXPERIMENT/ TO
 69-DU-01 DURIG+ ANTON N+H4.I ..SOLID/ EXPERIMENT ..RAMAN SPECTRA/ FAR INFRARED SPECTRA

4+ 16 N+H4.N.O3 AMMONIUM NITRATE
 63-MI-02 MIKKE+ KROH N+H4.CL/ N+H4.BR/ N+H4.F/ N+H4.N.O3 ..LATTICE DYNAMICS/ EXPFRIMENT ..INVERTED FILTER METHOD
 65-RA-01 BAJOREK+ MACHEKHINA+ N+H4.CL/ N+H4.BR/ N+H4.I/ N+H4.F/ N+H4.N.O3/ N+H4.C.N.S/ (N+H4)2.S.O4/ (N+H4)2.S2.O8/

4+ 17 N+H4.CL.O4 AMMONIUM PERCHLORATE
 61-RU-01 RUSH+ TAYLOR+ K+H2.P.O4/ (N+H4)2.CR.O4/ (N+H4)2.CR2.07/ N+H4.C.N.S/ N+H4.CL.O4 ..EXPERIMENT/ MOLECULAR DYN
 64-JA-01 JANIK+ JANIK+ C+H4/ C+H3.I/ DIMETHYLACETYLENE/ N+H4.CL.O4/ N+H4.P+F6/ H3.O+CL.O4/ DIMETHOXYAZOXYBENZENE

4+ 18 (N+H4)2.S.O4 AMMONIUM SULFATE
 65-RU-02 RUSH+ TAYLOR K+FE.(C+N)6/ (N+H4)2.S.O4/ N+H4.H+S.O4/ (N+H4)2.BF.F4 ..EXPERIMENT/ MOLECULAR LATTICE DYNAMI
 68-LF-02 LEUNG+ TAYLOR+ N+H4.F/ N+H4.CL/ N+H4.BR/ N+H4.I/ (N+H4)2.S.O4/ (N+H4)2.CR2.07/ N+H4.CL.O4 ..EXPERIMENT/ TO
 70-KI-01 KINE+ GOYAL+ (N+H4)2.S.O4 ..EXPERIMENT/ SOLID/ MOLECULAR ROTATION

4+ 19 N+H4.C.N.S AMMONIUM THIOCYANATE
 61-RU-01 RUSH+ TAYLOR+ K+H2.P.O4/ (N+H4)2.CR.O4/ (N+H4)2.CR2.07/ N+H4.C.N.S/ N+H4.CL.O4 ..EXPERIMENT/ MOLECULAR DYN

4+ 20 AL+CL3 ALUMINUM CHLORIDE
 64-BO-02 BOUTIN+ PRASK H2.O/ WATER-SILICA/ WATER-ALUMINA/ AL+CL3 ..EXPERIMENT/ MOLECULAR DYNAMICS ..H2.O VAPOR ADSO

4+ 21 AL+N ALUMINIUM NITRIDE
 67-CO-02 COLLINS+ LIGHTOWERS+ AL+N ..OPTICAL EXPERIMENT

4+ 22 AL+P.O4 ALUMINIUM PHOSPHATE
 70-SC-03 SCOTT AL+P.O4 ..ANHARMONICITY/ EXPFRIMENT/ RAMAN

4+ 23 ANALCITE
 64-BO-01 BOUTIN+ SAFFORD+ BA+CL2/ CHARAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BFRYL ..EXPERIMENT/ TOF-SPECTRUM

4+ 24 APOPHYLLITE
 64-BO-01 BOUTIN+ SAFFORD+ BA+CL2/ CHARAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BFRYL ..EXPERIMENT/ TOF-SPECTRUM

4+ 25 BA+CL2 BARIUM CHLORIDE
 64-BO-01 BOUTIN+ SAFFORD+ BA+CL2/ CHARAZITE/ ANALCITE/ CU.S.O4/ APOPHYLLITE/ WATER-BFRYL ..EXPERIMENT/ TOF-SPECTRUM

4+ 26 BA+F2 BARIUM FLUORIDE
 70-DF-03 DENHAM+ FIELD+ CA.F2/ SR.F2/ BA.F2/ CD.F2/ PB.F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
 70-HU-01 HURRELL+ MINKIEWICZ BA+F2 ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES/ SPECTRAL DENSITY ..SHELL MODE

4+ 27 BA.TI.O3 BARIUM TITANATE
 61-PF-01 PFLAH+ LEEKOWITZ BA.TI.O3 ..FERROELECTRICITY/ PARAFIETRICITY/ EXPERIMENT
 66-SO-01 SOLOVEV+ KUKHTO+ SR.TI.O3/ BA.TI.O3/ PB.TI.O3 ..EXPERIMENT/ LATTICE VIBRATION ..POLYCRYSTAL/ ROOM TEMP/ 47
 69-CO-01 COCHRAN NEUTRON-SCATTERING-IN-SOLIDS/ BA.TI.O3/ K+H2.P.O4/ NA.N.O2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
 69-HI-02 HUELLER BA.TI.O3 ..THEORY/ LATTICE DYNAMICS/ PHASE TRANSITION ..SOFT OPTICAL MODE
 69-YA-02 YAMADA+ SHIRANE BA.TI.O3 ..EXPERIMENT/ CRITICAL SCATTERING/ QUASI-ELASTIC SCATTERING ..OVERDAMPED PHONON M

4+ 28 BF+O BFRYLLIUM OXIDE
 62-BR-04 BRUGGER BE/ BE.O/ GRAPHITE/ H2.O/ D2.O/ METHANE/ PROPANE/ TERPHENYL/ COMPILATIONS ..SCATTERING FUNCTION
 63-SI-01 SINCLAIR BE/ BE.O ..EXPERIMENT/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ TOF ..293 DK
 64-HA-02 HAYWOOD+ SINCLAIR GRAPHITE/ BE/ BE.O ..COMPILEATION/ SCATTERING FUNCTION
 64-PR-01 PRYOR BE.O ..THEORY/ SOLID ..ELECTRICAL CONDUCTIVITY
 65-OT-01 OTTEWILLE BE.O ..SIGMA(E) ..EXPERIMENS/ SOLID ..2900K/ 8000K/ 13000K/ 15000K
 66-AN-02 ANTUNEZ+ BFYSTER+ BE.O/ H2.O/ D2.O/ ZR=H ..EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
 66-BF-01 RENTLE BE.O ..EXPERIMENT/ LATTICE DYNAMICS
 66-BF-06 BEYSTER+ NFILL+ H2.O/ D2.O/ ZR=H/ GRAPHITE/ BE.O ..NEUTRON SPECTRUM/ COMPILEATION/ LIQUID/ GAS
 66-BR-03 BRUGGER+ STRONG+ BE.O ..EXPERIMENT/ DISPERSION RELATION/ ROTATING CRYSTAL SPECTROMETER ..ROOM TEMPERATURE

- 66-YO-01 YOUNG RE/C/ BE/O .,SCATTERING FUNCTION/ THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
 66-YA-02 YOUNG, KOPPEL RE/O .,THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRUM .,(THIS IS A PREPRINT
 67-BR-04 BRUGGER, STRONG BE/O .,LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION .,ROOM TEMPERATURE
 68-RG-01 RORGONOVICH RE/O .,THEORY/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION .,RIGID ION
 68-LO-01 LOH RE/O .,LATTICE DYNAMICS/ EXPERIMENT .,ROOM TEMP.,/ INFRARED REFLECTION/ RAMAN SPECTRAL SHIFTS/ SEMI-
 68-OS-01 OSTERLIER, SCHMIDK+ BE/O .,EXPERIMENT/ 3-AXIS SPECTROMETER/ LATTICE DYNAMICS/ DISPERSION RELATION
 68-OS-02 OSTERLIER, SCHMIDK+ BE/O .,DISPERSION RELATION/ CRYSTAL SPECTROMETER/ LATTICE DYNAMICS/ EXPERIMENT/ SOLID/
 68-PA-01 PAGE, HAYWOOD H₂O/ D₂O/ GRAPHITE/ BF/ BE/O .,COMPILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION .,AT VAR
 69-SC-01 SCHROEDER RE/O .,DFRYE-WALLFREY FACTOR/ FREQUENCY DISTRIBUTION/ SCATTERING LAW/ SIGMA(E)/ SIGMA(E-PRIME)/
 70-HF-01 HEWAT ZN/O/ BE/O .,THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES
- 4: 29 CD+F2 CADMIUM FLUORIDE
 70-DF-03 DENHAM, FIELD+ CA,F2/ SR,F2/ BA,F2/ CD,F2/ PB,F2 .,THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
 4: 30 CD+S CADMIUM SULFIDE
 70-NU-01 NUSIMOVICI, BALKANSKI+ CD,S .,THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES/ FREQUENCY SPECTRUM .,SEMI-IONIC
 4: 31 CA,F2 CALCIUM FLUORIDE

63-CR-01 CRIRIER, FARNOUX+ CA,F2 .,EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS
 70-DF-03 DENHAM, FIELD+ CA,F2/ SR,F2/ BA,F2/ CD,F2/ PB,F2 .,THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
 70-FL-01 ELCOMBE, PRYOR CA,F2 .,EXPERIMENT/ 3-AXIS SPECTROMETER/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY S

4: 32 CA,(O+H)2 CALCIUM HYDROXIDE
 63-SA-01 SAFFORD, BRAJOVIC+ MG,(O,H)2/ CA,(O,H)2 .,EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
 65-PF-02 PELAH, KREBS+ CA,(O,H)2/ MG,(O,H)2/ Li,O,H .,EXPERIMENT/ LATTICE DYNAMICS .,TOF

4: 33 C,O2 CARBON DIOXIDE
 66-RA-02 BATA, KROO C,O2 .,EXPERIMENT .,NEUTRON SCATTERING/ DENSITY FLUCTUATION/ CRITICAL POINT
 66-RA-04 BATA, KROO C,O2/ C,S2 .,EXPERIMENT .,CRITICAL SCATTERING
 68-WA-02 WALMSLEY C,O2 .,THEORY/ SOLID/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION

4: 34 C,S2 CARBON DISULFIDE
 68-BA-04 BATA, KROO C,O2/ C,S2 .,EXPERIMENT .,CRITICAL SCATTERING

4: 35 C,O CARBON OXIDE
 68-MI-01 MIKA, DORNFR+ C,O .,EXPERIMENT/ CONST.=0 .,77.3DK FOR LIQUID/ 63.1DK FOR SOLID
 69-SH-04 SHINODA, ENOKIDO C,O .,THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION

4: 36 C,CL4 CARBON TETRACHLORIDE
 68-O-01 O'RFLILLY C,CL4/ C,H,Cl 3/ C₆H₅Cl/ H,F/ H,Cl/ N,H3/ H₂O .,CORRELATION FUNCTION/ MOLECULAR ROTATIONS/ LIQUID

4: 37 C,F4 CARBON TETRAFLUORIDE
 52-PO-01 POPE C,H4/ C,F4 .,MOLECULAR DYNAMICS/ THEORY
 65-CH-02 CHEN, FDER+ NEON/ ARGON/ DEUTERIUM/ CARBON TETRAFLUORIDE .,EXPERIMENT/ LIQUID/ SIGMA(THETA,E)
 68-FO-03 FOURNIER, SAVOIE+ C,F4 .,FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID/ SOLID .,70DK/ 125DK/ INFRA-RED/ RAMAN

4: 38 CS,N3 CESIUM AZIDE
 69-GO-01 GOVINDARAJAN, HARIDASAN K,N3/ RB,N3/ CS,N3 .,THEORY/ LATTICE VIBRATION .,RIGID ION MODEL/ BODY CENTERED TE

4: 39 CS,CL CESIUM CHLORIDE
 68-KA-04 KARO, HARDY CS,CL/ CS,BR/ CS,I .,THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION .,R
 68-WA-03 WARREN CS,CL/ MG .,GROUP THEORY/ LATTICE VIBRATION .,SYMMETRY PROPERTIES/ SPACE GROUP/ IRREDUCIBLE REP
 69-SA-03 SAFFORD, LEUNG+ H₂O/ LA,Cl 3/ CS,I/ CS,CL/ K,I/ K,Br/ Na,Cl .,EXPERIMENT/ TOF SPECTRA/ INTERMOLECULAR

4: 40 CS,BR CESIUM BROMIDE
 68-KA-04 KARO, HARDY CS,CL/ CS,BR/ CS,I .,THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION .,R
 70-DA-01 DAURERT CS,BR .,EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .,TOF/ PSEUDOSTATISTICAL CHOPPER/ 300

4: 41 CS,H,CL2 CESIUM HYDROGEN CHLORIDE
 70-CO-02 COLLINS, HAYWOOD+ K,H,F2/ CS,H,CL2/ NA,H,C,O3/ K,C2,CL3,O2/ K,C2,F3,O2 .,EXPERIMENT/ MOLECULAR DYNAMICS/ F
 70-ST-01 STIRLING, LUDMAN+ CS,H,CL2 .,EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY SPECTRA .,COLD NEUTRON SOURCE

4: 42 CS,I CESIUM IODIDE
 68-KA-04 KARO, HARDY CS,CL/ CS,BR/ CS,I .,THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION .,R
 69-SA-03 SAFFORD, LEUNG+ H₂O/ LA,Cl 3/ CS,I/ CS,CL/ K,I/ K,Br/ Na,Cl .,EXPERIMENT/ TOF SPECTRA/ INTERMOLECULAR

4: 43 CHARAZITE CHABAZITE
 64-BO-01 BOUTIN, SAFFORD+ BA,CL2/ CHABAZITE/ ANALCITE/ CU,S,O4/ APOPYLLITE/ WATER-BERYL .,EXPERIMENT/ TOF-SPECTRUM

4: 44 H,CR,O2 CHROMIUM(3) ACID
 66-RU-02 RUSH, FERRARO H,CR,O2 .,EXPERIMENT/ FREQUENCY DISTRIBUTION/ MOLECULAR CRYSTAL DYNAMICS .,TOF/ H,CR,O2 AND

4. 45 CO+F2 CORAL FLUORIDE
6R-MA-05 MARTFL, COWLEY+ CO+F2 ++EXPERIMENT/ CONSTANT=0 METHOD/ DISPERSION RELATION ++80DK/ 4.2DK/ RIGID ION MODEL

4. 46 CO+O CORAL OXIDE
6R-SA-02 SAKURAI, BIYERS+ CO+O ++LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION ++3-AXIS SPECTROMETER/ 425DK/ 11

4. 47 CU+S+O4 COPPER SULFATE
64-BO-01 BOUTIN, SAFFORD+ BA+CL2/ CHARAZITE/ ANALCITE/ CU+S+O4/ APOPHYLLITE/ WATER-BERYL ++EXPERIMENT/ TOF-SPECTRUM

4. 48 Si+O2 CRYSTOBALITE
69-LF-01 LEADBETTER SILICA/ QUARTZ/ CRYSTOBALITE ++EXPERIMENT/ COLLECTIVE VIBRATION/ AMORPHOUS SOLID ++TOF/ SILICA/

4. 49 C2+F6 DICARBON HEXAFLUORIDE
67-CA-01 CARPENTER C2+F6/ BR2 ++SCATTERING LAW/ CORRELATION FUNCTION/ THEORY/ GAS/ MOLECULAR DYNAMICS ++TORSIONAL
68-CA-02 CARPENTER, SCHAEFER BR/ C2+F6 ++SCATTERING THEORY
68-CA-03 CARPENTER, LURIE C2+F6/ C+H4 ++EXPERIMENT/ GAS/ SCATTERING FUNCTION

4. 50 Ga+As GALLIUM ARSENIDE
63-WA-01 WAUGH, DOLLING GA+AS ++EXPERIMENT/ DISPERSION RELATION
65-DO-03 DOLLING, WAUGH GA+AS ++EXPERIMENT/ DISPERSION RELATION

4. 51 Ga+P GALLIUM PHOSPHIDE
6R-YA-01 YARNELL, WARREN+ GA+P ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
6R-YA-02 YARNELL, WARREN+ GA+P ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ 3-AXIS SPECTROMETER/ SHELL MODE

4. 52 Hf+C HAFNIUM CARBIDE
70-SM-01 SMITH, GLAESER TA+C/ HF+C ++EXPERIMENT/ DISPERSION RELATION

4. 53 D2+O HEAVY WATER
55-JA-01 JACROT, NETTER+ GRAPHITE/ H2+O/ D2+O ++EXPERIMENT/ LIQUID/ SOLID
58-BR-02 BROCKHOUSE H2+O/ D2+O ++EXPERIMENT
59-BR-04 BROCKHOUSE H2+O/ D2+O ++SCATTERING LAW/ EXPERIMENT ++QUASI ELASTIC SCATTERING/ ICE, 6DC, 24.5DC, 42DC, 60D
60-LA-01 LARSSON, HOLMYRD+ H2+O/ D2+O ++EXPERIMENT/ FREQUENCY DISTRIBUTION ++LIQUID DYNAMICS
61-EG-01 EGELESTAFF, COCKING+ H2+O/ D2+O/ PB ++EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION

61-GI-01 GISSLER, REINSCH+ D2+O ++EXPERIMENT/ THEORY/ SIGMA(E) ++4DK/ 77DK
61-LA-01 LARSSON, HOLMYRD+ H2+O/ D2+O ++EXPERIMENT
61-MI-01 MIKKE H2+O/ D2+O ++EXPERIMENT
61-WH-01 WHITTEMORE, MCFLYNOLES H2+O/ D2+O ++EXPERIMENT
61-WO-01 WOODS, BROCKHOUSE+ GRAPHITE/ H2+O/ D2+O/ ZR-H/ Li, H/ Na, H/ Ni, H4, Cl ++EXPERIMENT/ CRYSTAL SPECTROMETER/ FRE
62-BR-02 BRUGGER METHANF/ H2+O/ D2+O/ PROPANE ++THEORY/ EXPERIMENT/ SCATTERING FUNCTION
62-EG-02 EGELSTAFF GRAPHITE/ H2+O/ D2+O/ COMPILED ++SCATTERING LAW, 24DC, 380DC, 600DC FOR GRAPHITE/ 24DC FOR
62-EG-04 EGELSTAFF H2+O/ D2+O/ GRAPHITE/ BE ++SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY ++EVALUATION
62-HA-01 HAYWOOD, THORSON D2+O/ H2+O ++EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION ++2DDC/ 150DC
62-HO-01 HONICK D2+O ++SIGMA(E) ++CALCULATION
62-LA-01 LARSSON, DAHLBORG H2+O/ D2+O ++EXPERIMENT/ LIQUID DYNAMICS ++10DC TO 95DC
63-RU-01 BUTLER D2+O ++LIQUID/ THEORY/ SIGMA (E)
63-RU-02 BUTLER D2+O ++LIQUID/ THEORY/ SCATTERING LAW
63-GI-01 GISSLER D2+O ++THEORY/ EXPERIMENT/ SIGMA(E) ++4DK/ 77DK
63-LA-01 LARSSON, DAHLBORG D2+O/ GLYCINE/ H2+O ++EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION/ TOF ++278, 295, 368,
64-DA-01 DAHLBORG, GROSSHOEG+ H2+O/ D2+O
64-HA-01 HAYWOOD D2+O ++LIQUID/ EXPERIMENT/ SCATTERING LAW
64-LA-01 LARSSON, DAHLBORG H2+O/ D2+O/ PENTANE/ GLYCINE ++EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
64-MA-03 MATEESCU, TUTSCH+ D2+O ++LIQUID/ SOLID/ EXPERIMENT/ FREQUENCY DISTRIBUTION / SIGMA (E-E-PRIME, THETA)/ DIFF
64-SP-01 SPRINGER, HOFMYER+ H2+O/ D2+O/ PHENYL/ ZR-H ++EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ++AVE-MU
64-ST-01 STFHNL, GOLDBERG+ H/ D/ H2+O/ D2+O/ HE/ Li/ BE/ GRAPHITE/ N/ O/ Ne/ NA/ MG/ Al/ Si/ Ar/ K/ COMPILATIONS ++S
64-TF-01 TUTSCH, MATEESCU+ H2+O/ D2+O ++LIQUID/ EXPERIMENT/ NEUTRON SCATTERING
65-BF-01 BEYSTER, KOPPEL D2+O/ H2+O/ POLYETHYLENE/ BE ++THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
65-RF-02 BEYSTER, YOUNG+ H2+O/ D2+O/ 7R-H ++EXPERIMENT/ DIFFUSION PARAMETER ++AVE-MU
65-KO-01 KOPPEL, YOUNG D2+O ++LIQUID/ THEORY/ SIGMA (E)/ SIGMA (THETA-E)/ SCATTERING LAW/ NEUTRON SPECTRUM
65-KO-02 KORNBLICHLER D2+O/ ZR-H ++EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER
65-YO-01 YOUNG, KOPPEL BE/ C/ H2+O/ D2+O/ C1H2/ H2/ D2 ++THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
66-AN-02 ANTUNEZ, BEYSTER+ BF+O/ H2+O/ D2+O/ ZR-H ++EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
66-RF-06 BEYSTER, NEILL+ H2+O/ D2+O/ 7R-H/ GRAPHITE/ BE+O ++NEUTRON SPECTRUM/ COMPILE/ LIQUID/ GAS
66-MC-02 McMURRAY D2+O ++THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY SPECTRUM / SIGMA(E)/ SIGMA-TRANSPORT(E)/ S
66-SU-01 SUICH D2+O ++NUFTRON SPECTRUM
66-WH-02 WHITTEMORE D2+O/ GRAPHITE ++EXPERIMENT/ SCATTERING FUNCTION ++24DC
66-WO-01 WORDEN, PURCELL+ H2+O/ D2+O/ GRAPHITE ++NEUTRON SPECTRUM/ SIGMA(E-E-PRIME)
67-MC-01 McMURRAY H2+O/ D2+O ++SIGMA(F-F-PRIME)/ COMPILE
67-WH-01 WHITTEMORE D2+O/ H/ GRAPHITE ++CROSS SECTION EVALUATION/ LIQUID/ SOLID/ EXPERIMENT/ SCATTERING FUNCTION
68-GI-01 GLAESER H2+O/ ZR-H/ GRAPHITE/ D2+O/ BE/ BE+O ++COMPILE/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
68-GL-02 GLAESER H2+O/ D2+O/ ZR-H/ GRAPHITE/ BE/ BE+O ++SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPILE
68-HA-01 HARLING D2+O ++SCATTERING FUNCTION/ LIQUID/ FREQUENCY DISTRIBUTION/ EXPERIMENT ++ROOM TEMP
68-HA-02 HARLING H2+O/ D2+O ++EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION ++EPITHERMAL NEUTRONS
68-HA-03 HARLING H2+O/ D2+O ++EXPERIMENT/ TOF/ DIFFERENTIAL CROSS SECTION/ SPECTRAL DENSITY ++299DK/ 268DK
68-HA-06 HAYWOOD, PAGE H2+O/ D2+O ++EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
68-PA-01 PAGE, HAYWOOD H2+O/ D2+O/ GRAPHITE/ BE/ BE+O ++COMPILE/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ++AT VAR
68-PA-03 PAGE H2+O/ D2+O ++EXPERIMENT/ SCATTERING FUNCTION/ COMPILE ++MIXTURE OF H2+O AND D2+O/ 0-0.13EV/
68-PA-05 PARKS, PELLARIN+ H2+O/ D2+O ++EXPERIMENT/ DIFFUSION PARAMETER
68-WH-02 WHITTEMORE D2+O ++SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ++300DK/ INCIDENT NEUTRO

4. 54 CO+(N+H3)6+12 HEXAMMINOCOBALT IODIDE
69-JA-02 JANIK, JAKOB+ CO+(N+H3)6+12/ NI+(N+H3)6+12 ++EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION

4: 55	NI+(N+H3)6+12	HFXAMMINENICKEL JODIDE
69-JA-02	JANIK, JAKOB+	CO+(N+H3)6+12/ NI+(N+H3)6+12 ++EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION
4: 56	H+BR	HYDROGEN BROMIDE
65-BR-03	BOUTIN, SAFFORD	H+F/ H+CL/ H+BR ++EXPERIMENT/ LATTICE VIBRATION/ TOF SPECTRUM
4: 57	H+CL	HYDROGEN CHLORIDE
65-BR-03	BOUTIN, SAFFORD	H+F/ H+CL/ H+BR ++EXPERIMENT/ LATTICE VIBRATION/ TOF SPECTRUM
68-AG-01	AGRAWAL, YIP	C+H4/ H+CL/ N+H3 ++GAS/ THEORY/ CORRELATION FUNCTION ++INCOHERENT/ INTERMEDIATE SCATTERING FUNCTION
68-00-01	O-RFILLY	C+CL4/ C+H+CL3/ C6+H5+CL / H+F/ H+CL/ N+H3/ H2+O ++CORRELATION FUNCTION/ MOLECULAR ROTATIONS/ LIQUID
68-SU-03	SUMMERFIELD, ZWIFFEL	H+CL / H+F ++SCATTERING THEORY
68-TR-02	TREVINO, PRASK+	H2+O/ H+CL ++THEORY/ LATTICE DYNAMICS ++HARMONIC SOLIDS
4: 58	H+F	HYDROGEN FLUORIDE
63-BR-02	ROUTIN, SAFFORD	H+F/ K+H+P2/ K+H2+F3/ NA+H2+F3 ++EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
65-BR-03	ROUTIN, SAFFORD	H+F/ H+CL/ H+BR ++EXPERIMENT/ LATTICE VIBRATION/ TOF SPECTRUM
67-KI-05	KITTELBERGER, HORNING	H+F ++EXPERIMENT/ LATTICE DYNAMICS ++INFRARED EXPERIMENT
68-00-01	O-RFILLY	C+CL4/ C+H+CL3/ C6+H5+CL / H+F/ H+CL/ N+H3/ H2+O ++CORRELATION FUNCTION/ MOLECULAR ROTATIONS/ LIQUID
68-SU-03	SUMMERFIELD, ZWIFFEL	H+CL / H+F ++SCATTERING THEORY
69-RJ-01	RJING, EGELSTAFF	H+F ++SCATTERING FUNCTION
4: 59	H2+S	HYDROGEN SULFIDE
63-JA-02	JANIK, JANIK+	C+H4/ N+H3/ H2+S/ H2+O ++SIGMA(F)/ EXPERIMENT/ LIQUID
69-RJ-01	RZANY, SCIFSINSKI	H2+S ++EXPERIMENT/ TOTAL CROSS SECTION
65-ST-05	STRONG, HARKER+	AMMONIA/ HYDROGEN SULFIDE ++EXPERIMENT/ GAS/ CROSS SECTION EVALUATION ++MTR-PHASE-CHOPPER
4: 60	H3+O+N+O3	HYDRONIUM NITRATE
68-JA-02	JANIK	C+H4/ H2+O/ N+H3/ Li2+S+O4+H2+O/ H3+O+N+O3/ C+H3+I ++EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR
4: 61	H3+O+CL+O4	HYDRONIUM PERCHLORATE
4: 62	LA+CL3	LANTHANUM CHLORIDE
65-CA-01	CASPERS, MURPHY+	LA+CL3 ++LATTICE DYNAMICS
69-SA-03	SAFFORD, LEUNG+	H2+O/ LA+CL3/ CS+I/ CS+CL/ K+I/ K+BR/ K+CL/ NA+CL ++EXPERIMENT/ TOF SPECTRA/ INTERMOLECULAR
4: 63	LA+F3	LANTHANUM TRIFLUORIDE
68-RA-05	RÄST, CASPERS+	LA+F3 ++EXPERIMENT ++4+2DK/ 77DK/ 373DK/ INFRARED REFLECTION/ KRAMERS-KRONIG METHOD
4: 64	PF+F2	LEAD FLUORIDE
70-DF-03	DENHAM, FIELD+	CA+F2/ SR+F2/ BA+F2/ CD+F2/ PB+F2 ++THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
4: 65	PR+Ti+O3	LEAD METATITANATE
66-SN-01	SOLOVEV, KUKHTO+	SR,Ti,O3/ RA,Ti,O3/ PR+Ti,O3 ++EXPERIMENT/ LATTICE VIBRATION ++POLYCRYSTAL/ ROOM TEMP/ 47
4: 66	H2+O	LIGHT WATER
40-DA-01	DARLING, DENNISON	H2+O ++THEORY/ MOLECULAR DYNAMICS
41-SA-01	SACHS, TELLER	NEUTRON-SCATTERING-IN-FLUIDS/ H2+O/ C+H4/ N+H3/ H2+O ++SCATTERING THEORY ++MOLECULAR GASES
54-FD-01	FORSLIND	H2+O ++THEORY/ SOLID/ BORN-VON KARMAN MODEL/ CENTRAL FORCE MODEL/ DISPERSION RELATION/ HARMONIC
55-JA-01	JACROT, NETTER+	GRAPHITE/ H2+O/ D2+O ++EXPERIMENT/ LIQUID/ SOLID
57-KR-01	KRIEGER, NELKIN	NEUTRON-SCATTERING-IN-FLUIDS/ C+H2/ H2+O ++SCATTERING THEORY ++MOLECULE
58-RR-02	BROCKHOUSE	H2+O/ D2+O ++EXPERIMENT
59-MC-01	MCREYNOLDS, NELKIN+	H2+O/ POLYETHYLENE/ 2R-H/ MG-H/ GRAPHITE ++EXPERIMENT/ THEORY/ LIQUID/ SOLID
59-RR-02	BROCKHOUSE	H2+O/ D2+O ++SCATTERING LAW/ EXPERIMENT ++QUASI ELASTIC SCATTERING/ ICE: 4DC, 24.5DC, 42DC, 60D
59-HU-01	HUGHES, PALFVSKY+	H2+O ++LIQUID/ EXPERIMENT ++RF-FILTER-TOF
60-CR-01	CRIBIER, JACROT	H2+O ++EXPERIMENT/ LIQUID/ DISPERSION RELATION/ DIFFUSION PARAMETER
60-HU-01	HUGHES, PALFVSKY+	H2+O ++SIGMA(F-PRIME-THETA)
60-LA-01	LÄRSSON, HOLMRYD+	H2+O/ D2+O ++EXPERIMENT/ FREQUENCY DISTRIBUTION ++LIQUID DYNAMICS
60-NF-02	NEILKIN	NEUTRON-SCATTERING-IN-FLUIDS/ H2+O ++THEORY/ MOLECULAR DYNAMICS ++DIFFERENTIAL AND TOTAL CROSS
60-SI-01	SINGWI, SJOELÄNDER	H2+O ++THEORY/ MOLECULAR DYNAMICS ++LIQUID DYNAMICS/ QUASI-CRYSTALLINE MODEL
61-RR-03	BRUGGER	7R-H/ H2+O/ BENZEN/ PARAFFINE/ ALCOHOL ++SIGMA (E,F-PRIME-THETA)/ EXPERIMENT/ LIQUIDS/ TOF
61-CR-02	CRIBIER, JACROT	H2+O ++EXPERIMENT ++QUASI ELASTIC SCATTERING/ 27DC/ 43DC
61-EG-01	EGELSTAFF, COCKING+	H2+O/ D2+O/ PB ++EXPERIMENT/ LIQUID/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
61-HF-01	HEINLOTH, SPRINGER	H2+O ++SIGMA(F)/ EXPERIMENT ++150DC++200DC
61-HF-02	HEINLOTH	H2+O/ C6+H6/ C+H2+O2 ++SIGMA(E)/ EXPERIMENT/ GAS/ LIQUID/ SOLID/ KRIEGER-NELKIN MODEL ++TRANSMISSION
61-LA-01	LÄRSSON, HOLMRYD+	H2+O/ D2+O ++EXPERIMENT
61-MI-01	MIKKE	H2+O/ D2+O ++EXPERIMENT
61-PA-01	PALEVSKY	H2+O/ PR/ SN ++EXPERIMENT/ LIQUID ++ROOM TEMP/ 45DC FOR H2+O/ 462DC FOR PB/ 350DC FOR SN/ BE-F
61-SP-01	SPRINGER	H2+O ++THEORY/ EXPERIMENT/ SOLID/ LIQUID/ GAS/ SIGMA (E)/ SIGMA (THETA)/ FREQUENCY SPECTRUM
61-SP-02	SPRINGER, WIEDMAN	H2+O ++EXPERIMENT/ SIGMA (E) ++ICE
61-ST-01	STILLER, DANNER	H2+O ++EXPERIMENT/ SIGMA(THETA-E)
61-WH-01	WHITTEMORE, MCGRATH	H2+O/ D2+O ++EXPERIMENT
61-WO-01	WOODS, BROCKHOUSE+	GRAPHITE/ H2+O/ D2+O/ 2R-H/ Li+H/ NA+H/ N+H4+CL ++EXPERIMENT/ CRYSTAL SPECTROMETER/ FREQUENCY
62-BR-02	BRUGGER	METHANE/ H2+O/ D2+O/ PROPANE ++THEORY/ EXPERIMENT/ SCATTERING FUNCTION
62-BR-04	BRUGGER	BE/ BE+O/ GRAPHITE/ H2+O/ D2+O/ METHANE/ PROPANE/ TERPHENYL/ COMPILED ++SCATTERING FUNCTION
62-FG-01	EGELSTAFF	NEUTRON-SCATTERING-IN-FLUIDS/ H2+O ++THEORY/ LIQUID DYNAMICS
62-EG-02	EGELSTAFF	GRAPHITE/ H2+O/ D2+O/ COMPILED ++SCATTERING LAW ++24DC, 380DC, 600DC FOR GRAPHITE/ 24DC FOR
62-EG-03	EGELSTAFF, SCHOFIELD	SCATTERING-THEORIES/ H2+O/ PB ++EXPERIMENT/ THEORY/ LIQUID/ DIFFUSION PARAMETER ++ROOM
62-EG-04	EGELSTAFF	H2+O/ D2+O/ GRAPHITE/ RF ++SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY ++EVALUATION
62-GO-01	GOFSSHAN	H2+O ++THEORY/ CROSS SECTION EVALUATION
62-HA-01	HAYWOOD, THORSON	D2+O/ H2+O ++EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION ++20DC/ 150DC

62-**LA-01** LARSSON, DAHLBORG H₂O/ D₂O ..EXPERIMENT/ LIQUID DYNAMICS ..10DC TO 95DC
 62-**LA-02** LARSSON, SINGWI H₂O ..LIQUID/ DIFFUSIVE MOTION/ THEORY
 62-**L1-02** LINDEMETER H₂O ..THEORY/ CROSS SECTION EVALUATION
 62-**NE-01** NEMETHY, SCHRAGA H₂O ..THEORY/ MOLECULAR DYNAMICS ..LIQUID DYNAMICS
 62-**RO-01** ROSENBAUM, WEIFEL H₂O ..THEORY ..DIFFERENTIAL SCATTERING CROSS SECTION/ 295DK
 62-**SA-01** SAKAMOTO, BROCKHOUS+ H₂O ..EXPERIMENT/ LIQUID/ SCATTERING FUNCTION ..295DC/ 75DC/ QUASI-ELASTIC SCATTERING
 62-**SC-02** SCHOFIELD H₂O/ GRAPHITE ..THEORY/ COMPILATION
 62-**RA-01** RAJORKA, GOLIKOV+ H₂O
 63-**RR-02** BROCKHOUSE, BERGSMAN SN/ H₂O/ AR/ HE ..EXPERIMENT/ LIQUID
 63-**EG-01** EGELSTAFF, HAYWOOD+ H₂O ..EXPERIMENT ..150DC, 295DK, 425DK
 63-**GO-02** GOLDMAN, FEDERIGHI H₂O/ POLYETHYLENE ..CROSS SECTION EVALUATION
 63-**JA-02** JANIK, JANIK+ C/H₄/ N/H₃/ H₂S/ H₂O ..SIGMA(E)/ EXPERIMENT/ LIQUID
 63-**KO-02** KOTTWITZ, LEONARD-IR+ H₂O ..EXPERIMENT/ LIQUIDS ..220C
 63-**KO-03** KOTTWITZ, LEONARD-JR H₂O ..EXPERIMENT/ FREQUENCY DISTRIBUTION
 63-**LA-01** LARSSON, DAHLBORG D₂O/ GLYCINE ..LIQUID/ FREQUENCY DISTRIBUTION/ TOF ..278, 295, 368
 63-**L1-01** LINDENMAYER, MATSUMOTO+ H₂O/ POLYTHYLNE/ COMPUTER-CODES ..SCATTERING THEORY/ LIQUID/ SIGMA(E-PRIME, TH)
 63-**SI-01** SINGWI, SJÖLANDER+ NEUTRON=SCATTERING-IN-FLUIDS/ H₂O/ PB ..THEORY/ LIQUID/ FREQUENCY DISTRIBUTION/ SCATT
 63-**Y1-01** YIP, OSORN H₂O ..THEORY/ MOLECULAR DYNAMICS/ SIGMA(E-PRIME, THETA)
 63-**Y1-02** YIP, OSORN H₂O ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ..SMALL ENERGY TRANSFER REGION
 64-**RO-02** BOUTIN, PRASK H₂O/ WATER-SILICA/ WATER-ALUMINA/ AL-CL₃ ..EXPERIMENT/ MOLECULAR DYNAMICS ..H₂O VAPOR ADSO
 64-**DA-01** DAHLBORG, GROSSHOEG+ H₂O/ D₂O
 64-**KO-02** KOPPEL, YOUNG H₂O ..THEORY/ MOLECULAR DYNAMICS ..SCATTERING KERNEL/ ANISOTROPIC MODEL
 64-**LA-01** LARSSON, DAHLBORG H₂O/ D₂O/ PENTANE/ GLYCINE ..EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
 64-**MC-01** MCMURRAY, GANNON COMPUTE-B-CODES/ H₂O ..THEORY/ SCATTERING LAW/ SIGMA(E)/ SIGMA(F-E-PRIME)/ SIGMA-TRANSPORT
 64-**MO-01** MOSTOVY, DIKAREV+ H₂O/ BIPHENYL ..FREQUENCY SPECTRUM/ EXPERIMENT
 64-**PA-01** PAGE, PAGE H₂O ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ..550DK/ 1200 PSI
 64-**SP-01** SPRINGER, HOFMAYER+ H₂O/ D₂O/ PHENYL/ ZR-H ..EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ..AVE-MU
 64-**ST-01** STFHNN, GOLDBERG+ H/D/ H₂O/ D₂O/ HF/ Li/ RF/ GRAPHITE/ N/ O/ NE/ NA/ MG/ AL/ Si/ AR/ K/ COMPILATIONS ..S
 64-**TF-01** TUTSCH, MATEESCU+ H₂O/ D₂O ..LIQUID/ EXPERIMENT/ NEUTRON SCATTERING
 64-**YO-03** YOUNG, HUFFMAN H₂O ..EXPERIMENT/ LIQUID/ NEUTRON SPECTRUM/ THEORY
 65-**RF-01** REYSTER, KOPPEL D₂O/ H₂O/ POLYETHYLENE/ RF ..THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
 65-**RF-02** BEYSTER, YOUNG+ H₂O/ D₂O/ ZR-H ..EXPERIMENT/ DIFFUSION PARAMETER ..AVE-MU
 65-**RO-04** BOUTIN, PRASK H₂O ..TOF
 65-**GL-03** GLAFSER, EHRET+ C₆H₆/ H₂O/ ZR-H ..SCATTERING LAW/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR
 65-**GO-01** GOLIKOV, ZHOKORSKA+ C₂H₆O/ H₂O/ C₂H₄O/ C₆H₆ ..EXPERIMENT/ LIQUID/ SOLID
 65-**JA-01** JANIK H₂O ..SOLID/ LIQUID/ FREQUENCY DISTRIBUTION/ SIGMA(F-E-PRIME, THETA)
 65-**LF-02** LEMMEL H₂O ..EXPERIMENT/ LIQUID/ DISPERSION PARAMETER/ SIGMA(THETA-E)
 65-**PA-01** PALFVSKY PB/ H₂O/ SN ..EXPERIMENT/ LIQUID
 65-**PO-01** POPF, NATION H₂O ..SCATTERING LAW/ CORRELATION FUNCTION
 65-**TU-01** TURCHIN H₂O ..LIQUID/ SOLID/ SCATTERING LAW/ FREQUENCY DISTRIBUTION NG LAW/ FREQUENCY DISTRIBUTION
 65-**YO-01** YOUNG, KOPPEL RF/ C/ H₂O/ D₂O/ C₂H₂/ H₂D ..THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
 66-**AN-02** ANTUNEZ, BEYSTER+ RF-O/ H₂O/ D₂O/ ZR-H ..EXPERIMENT/ THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
 66-**RF-05** REYSTER, CARRIVAN H₂O ..LIQUID/ THEORV/ EXPERIMENT/ SIGMA (THETA-F) ..MULTIPLE SCATTERING CORRECTION
 66-**RF-06** REYSTER, NEILL+ H₂O/ D₂O/ ZR-H ..GRAPHITE/ RF-O ..NEUTRON SPECTRUM/ COMPIILATION/ LIQUID/ GAS
 66-**HA-02** HARLING H₂O ..EXPERIMENT/ SIGMA (F-E-PRIME, THETA)/ LIQUID
 66-**HA-03** HARLING H₂O ..LIQUID/ EXPERIMENT/ SCATTERING LAW ..ROOM TEMP.
 66-**K1-01** KIROUAC, MOORE+ H₂O/ POLYTHYLENE ..EXPERIMENT/ DOUBLE DIFFERENTIAL CROSS SECTION
 66-**K1-02** KIROUAC, MOORE+ H₂O ..SCATTERING LAW/ SIGMA (F-E-PRIME, THETA)/ EXPERIMENT ..300DK
 66-**KO-01** KOPPEL POLYFTHYLNE/ ZR-H/ H₂O ..SCATTERING FUNCTION/ SCATTERING CROSS SECTION/ NEUTRON SPCTRUM
 66-**KO-04** KOPPEL H₂O/ POLYETHYLENE/ ZR-H/ H ..CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
 66-**MC-01** MCMURRAY, RUSSELL+ H₂O ..EXPERIMENT
 66-**MC-03** MCMURRAY H₂O ..THEORY/ LIQUID/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION/ SIGMA(E)/ SCATTERING LAW ..4

 66-**PR-01** PRASK, BOUTIN H₂O ..EXPERIMENT/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ..H₂O MOLECULES IN CRYSTA
 66-**SZ-01** SZKATULA, FILINSKI H₂O ..LIQUID/ MOLECULAR DYNAMICS
 66-**WO-01** WORDEN, PURCELL+ H₂O/ D₂O/ GRAPHITE ..NEUTRON SPECTRUM/ SIGMA(E-F-PRIME)
 67-**R1-01** BISCHOFF, BRYANT+ POLYFTHYLNE/ H₂O/ ZR-H/ NB-H/ U-O2 ..EXPERIMENT
 67-**GO-01** GOLAND, OTNES H₂O ..EXPERIMENT/ LIQUID ..QUASI-ELASTIC SCATTERING
 67-**HA-03** HAYWOOD H₂O ..CROSS SECTION EVALUATION/ LIQUID/ THEORY/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION/ S
 67-**IR-01** IBARRA-JR, SHFR H₂O ..EXPERIMENT/ NEUTRON SPECTRUM ..20DC
 67-**K1-01** KIROUAC H₂O ..LIQUID/ SCATTERING FUNCTION
 67-**MC-01** MCMURRAY H₂O/ D₂O ..SIGMA(F-E-PRIME)/ COMPIILATION
 67-**NA-01** NAKAHARA, KATO RF/ H₂O/ COMPUTER-CODES ..SOLID/ THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
 67-**SA-02** SAMOSVAT, SAYASOV+ H₂O ..EXPERIMENT
 67-**SK-01** SKOFELD, KARLEN+ PENTANE/ H₂O ..MOLECULAR DYNAMICS/ SOLID/ EXPERIMENT/ FREQUENCY SPECTRUM
 67-**SM-02** SMITH H₂O ..EXPERIMENT/ SCATTERING FUNCTION ..95DC/ TRIPLE AXIS SPECTROMETER
 67-**SZ-01** SZKATULA, FILINSKI H₂O ..THEORY/ LIQUID/ FREQUENCY DISTRIBUTION
 68-**AR-01** ARDFNTF, GALLS H₂O ..SIGMA (F) ..NEUTRON SPECTRUM/ THEORY ..MODIFIED NELKIN MODEL
 68-**RA-02** BAJOREK, JANIK+ H₂O ..EXPERIMENT/ MOLECULAR DYNAMICS ..WATER IN CRYSTAL
 68-**RF-02** REYSTER H₂O ..LIQUID/ EXPERIMENT
 68-**RR-02** BRUGGER H₂O ..SCATTERING FUNCTION/ EXPERIMENT/ LIQUID ..TOF/ 16DC
 68-**BR-01** BRUGGER, PLUMMER H₂O ..EXPERIMENT/ SCATTERING FUNCTION
 68-**BH-02** BURGMAN, SCIESINSKI+ H₂O ..SOLID/ LIQUID/ EXPERIMENT/ FREQUENCY DISTRIBUTION ..COLD NEUTRON TOF/ 273+4DK/
 68-**DA-03** DAUERTZ, JFX+ H₂O ..SOLID/ EXPERIMENT/ SIGMA (F)
 68-**FS-01** ESCH, MOORE+ H₂O ..LIQUID/ EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING FUNCTION
 68-**FA-01** FAURE, KAHANF H₂O ..FREQUENCY DISTRIBUTION/ DISPERSION RELATION/ LATTICE DYNAMICS/ THEORY/ SOLID
 68-**GI-01** GIRAS, LINDEMETER H₂O ..SCATTERING THEORY/ LIQUID
 68-**GL-01** GLAFSER H₂O/ ZR-H/ GRAPHITE/ D₂O/ RF/ RF-O ..COMPIILATION/ SCATTERING FUNCTION/ CROSS SECTION EVALUATI
 68-**GL-02** GLAFSER H₂O/ D₂O/ ZR-H/ GRAPHITE/ RF/ RF-O ..SCATTERING FUNCTION/ DIFFUSION PARAMETER/ COMPIILATION
 68-**HA-02** HARLING H₂O/ D₂O ..EXPERIMENT/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION ..EPITHERMAL NEUTRONS
 68-**HA-03** HARLING H₂O/ D₂O ..EXPERIMENT/ TOF/ DIFFERENTIAL CROSS SECTION/ SPECTRAL DFNSY ..299DK/ 76BDK
 68-**HA-06** HAYWOOD, PAGE H₂O/ D₂O ..EXPERIMENT/ SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION
 68-**JA-02** JANIK C/H₄/ H₂O/ N/H₃/ Li₂SiO₄/ H₂O/ H₃O-N₃O₃/ C₁H₃.1 ..EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR
 68-**JA-04** JARVIS H₂O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ THEORY
 68-**K1-01** KIROUAC, MOORE+ H₂O ..SCATTERING FUNCTION/ EXPERIMENT ..300DK
 68-**NA-01** NAKAHARA H₂O ..FREQUENCY DISTRIBUTION/ THEORY/ SOLID/ LATTICE DYNAMICS
 68-**NF-01** NEIL, RUSSEL-JR+ H₂O ..EXPERIMENT/ LIQUID/ TOTAL CROSS SECTION ..123DC/ LINAC
 68-**PA-01** PAGE, HAYWOOD H₂O/ D₂O/ GRAPHITE/ RF/ BE-O ..COMPIILATION/ LIQUID/ SOLID/ FREQUENCY DISTRIBUTION ..AT VAR
 68-**PA-03** PAGE H₂O/ D₂O ..EXPERIMENT/ SCATTERING FUNCTION/ COMPIILATION ..MIXTURE OF H₂O AND D₂O/ 0-0.13EV/
 68-**PA-05** PARKS, PELLARIN+ H₂O/ D₂O ..EXPERIMENT/ DIFFUSION PARAMETER
 68-**PR-01** PRASK, BOUTIN+ H₂O ..SOLID/ EXPERIMENT/ THEORY/ FREQUENCY DISTRIBUTION ..COLD NEUTRON TOF/ 150DK
 68-**RO-01** ROSSI, SZABO+ BFNZENF/ H₂O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR RE
 68-**SA-03** SAMOSVAT, SAYASOV+ H₂O ..EXPERIMENT/ MOLECULAR DYNAMICS/ TOF ..RESONANT-DETECTOR METHOD
 68-**SL-02** SLAGGIE H₂O/ ZR-H ..THEORY/ CROSS SECTION EVALUATION
 68-**TR-02** TREVINO, PRASK+ H₂O/ HCl ..THEORY/ LATTICE DYNAMICS ..HARMONIC SOLIDS
 68-**FI-01** FISCHER BENZENf/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H₂O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE
 68-**HA-04** HARLING H₂O ..SCATTERING LAW/ FREQUENCY DISTRIBUTION
 68-**KO-01** KOSALY, VALKO H₂O ..THEORY/ CROSS SECTION EVALUATION
 68-**RF-01** REICHELT, MAIER H₂O ..CALCULATION/ SINGLE DIFFERENTIAL CROSS SECTION
 68-**SA-02** SAFFORD, LFIUNG+ H₂O ..IN IONIC SOLUTION/ EXPERIMENT/ TOF SPCTRUM ..ION-WATER INTERACTION
 68-**SA-03** SAFFORD, LFUNG+ H₂O/ LA-CL₃/ CS₁Cl/ K⁺/ K-Br/ K-Cl/ Na-Cl ..EXPERIMENT/ TOF SPECTRA/ INTERMOLECUL
 70-**BA-03** RATES, LIPPINCOTT+ H₂O ..MOLECULAR VIBRATIONS
 70-**CL-01** CLIFFORD H₂O ..SCATTERING LAW / LIQUID

4: 67 Li-F LITHIUM FLUORIDE
68-DO-01 DOLLING, SMITH+ Li-F :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION :: 3-AXIS

4: 68 Li-H LITHIUM HYDRIDE
61-WO-01 WOODS, BROCKHOUSE+ GRAPHITE/ H₂O/ D₂O/ ZR-H/ Li-H/ Na-H/ N-H₄Cl :: EXPERIMENT/ CRYSTAL SPECTROMETER/ FREQUENCY DISTRIBUTION
65-BR-01 BRODSKY, BURSTEIN Li-H :: THEORY/ SOLID/ LATTICE DYNAMICS
65-ZF-01 ZEMLYANOV, BROVMAN+ Li-H :: THEORY/ BORN VON KARMAN MODEL/ SIGMA(E,F-PRIME,THETA)
67-VE-02 VERBLE, LI-H :: LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION :: CONST=0/ ROOM TEMP./ Li-D CRYSTAL
68-NE-03 NERALE, WARREN+ Li-H :: FREQUENCY DISTRIBUTION/ DISPERSION RELATION/ LATTICE DYNAMICS/ EXPERIMENT :: ROOM TEMP.

4: 69 Li-O-H LITHIUM HYDROXIDE
65-PF-02 PELAH, KREBS+ Ca(OH)2/ Mg(OH)2/ Li-O-H :: EXPERIMENT/ LATTICE DYNAMICS :: TOF
66-SA-02 SAFFORD, LOSACCO Li-O-H :: EXPERIMENT/ TOF SPECTRUM/ MOLECULAR DYNAMICS

4: 70 Li₂S₀4 LITHIUM SULFATE
6A-JA-02 JANIK LiH4/ H₂O/ N₂H₃/ Li₂S₀4.H₂O/ H₃O,N₂O₃/ C₂H₅I :: EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR

4: 72 Li-Y-F₄ LITHIUM YTTRIUM TETRAFLUORIDE
70-MI-01 MILLER, RAST+ Li₂Y₂F₁₀ :: EXPERIMENT :: RAMAN SCATTERING

4: 73 Mg-F₂ MAGNESIUM DIFLUORIDE
68-KA-02 KAHN, TROTIN+ Mg-F₂ :: EXPERIMENT/ 3-AXIS SPECTROMETER/ LATTICE DYNAMICS/ DISPERSION RELATION
70-KA-03 KATIYAR Mg-F₂ :: THEORY/ LATTICE DYNAMICS

4: 74 Mg-F₂ MAGNESIUM FLUORIDE
4: 75 Mg-(O-H)2 MAGNESIUM HYDROXIDE
63-SA-01 SAFFORD, BRAJOVIC+ Mg-(O-H)2/ Ca-(O-H)2 :: EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
65-PF-02 PELAH, KREBS+ Ca-(O-H)2/ Mg-(O-H)2/ Li-O-H :: EXPERIMENT/ LATTICE DYNAMICS :: TOF

4: 76 Mg-O MAGNESIUM OXIDE
65-PF-01 PECKHAM Mg-O :: LATTICE DYNAMICS
67-RII-01 RUCKLAND, SAUNDERS Mg-O :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION :: TRIPLE AXIS SPECTROMETER
67-MA-02 MARTIN Mg-O :: SOLID/ EXPERIMENT :: DEFECT SCATTERING/ SCATTERING THEORY
67-PF-01 PFCKHAM Mg-O :: LATTICE DYNAMICS/ EXPERIMENT/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION :: ROOM TEMP.
67-RI-01 RIFDER, HOFRL Mg-O :: EXPERIMENT/ SOLID/ LATTICE DYNAMICS :: SURFACE VIBRATION
68-BO-03 BORGONOVI, CARRIVEAU Mg-O :: EXPERIMENT/ ANGULAR DISTRIBUTION/ SHELL MODEL CALCULATION
68-MA-08 MARTIN Mg-O :: EXPERIMENT/ THEORY/ SOLID :: DEFECT SCATTERING
70-SA-01 SARINE, SVENSON Mg-O :: EXPERIMENT/ TOTAL SCATTERING SIGMA :: DEFECT CLUSTER SCATTERING
70-SA-03 SANGSTER, PFCKHAM Mg-O :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES :: BREATHING SHELL MODEL/ FREQUENCY

4: 77 Mg₂.Sn MAGNESIUM STANIDE
70-KF-01 KEARNEY, WORTON+ Mg₂.Sn :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES :: ROOM TEMP./ 3-AXIS SPECTROMETER
70-KF-02 KEARNEY, WORTON+ Mg₂.Sn :: THEORY/ LATTICE DYNAMICS/ GROUP THEORETICAL TECHNIQUES

4: 78 Mn-O MANGANESE MONOXIDE
69-HA-05 HAYWOOD, COLLINS Mn-O :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION :: CONST=0/ RIGID-ION AND SHELL

4: 79 K-H-F₂ POTASSIUM ACID FLUORIDE
63-BO-02 ROUTIN, SAFFORD H₂F/ K-H-F₂/ K-H₂F₃/ Na-H₂F₃ :: EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
70-CO-02 COLLINS, HAYWOOD+ K-H-F₂/ Cs-H-Cl₂/ Na-H-C-O₃/ K-C₂-Cl₃-O₂/ K-C₂-F₃-O₂ :: EXPERIMENT/ MOLECULAR DYNAMICS/ F

4: 80 K-N₃ POTASSIUM AZIDE
69-GO-01 GOVINDARAJAN, HARIDASAN K-N₃/ RB-N₃/ CS-N₃ :: THEORY/ LATTICE VIBRATION :: RIGID-ION MODEL/ BODY CENTERED CUBIC

4: 81 K-Br POTASSIUM BROMIDE
63-WO-02 WOODS, BROCKHOUSE+ K-Br/ Na-I :: EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS :: 90DK
64-RU-03 BUYERS, COWLEY K-Br/ RB-Br :: EXPERIMENT/ LATTICE DYNAMICS :: MIXED CRYSTAL
64-RU-05 BUYERS, SMITH K-Cl/ K-Br/ Na-I/ Na-Cl/ Na-Br/ Na-F :: THEORY/ DEBYE-WALLER FACTOR :: TEMPERATURE DEPENDENCE/
64-CO-10 COWLEY, BUYERS+ K-Br/ Sm-11-O₃ :: THEORY/ EXPERIMENT/ LATTICE DYNAMICS/ ELASTIC CONSTANT :: NEUTRON MEASUREMENT
64-SV-01 SVENSSON, BUYERS K-Br :: LATTICE DYNAMICS/ EXPERIMENT/ DISPERSION RELATION :: 3-AXIS-SPECTROMETER/ 95DK/ 463
70-LO-02 LOWNDES K-Br :: ANHARMONICITY :: DIELECTRIC CONSTANT

4: 82 K-Cl POTASSIUM CHLORIDE
67-IV-01 IVERNOVA, PARANGTOP+ K-Cl/ K-I :: LATTICE DYNAMICS/ DISPERSION RELATION :: X-RAY EXPERIMENT
67-ST-01 STARTSEV, BRAUD K-Cl :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION :: X-RAY EXPERIMENT
68-RF-01 BENFDEK, NARDELLI Na-Cl/ K-Cl :: DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
68-BU-05 BUYERS, SMITH K-Cl/ K-Br/ Na-I/ Na-Cl/ Na-Br/ Na-F :: THEORY/ DEBYE-WALLER FACTOR :: TEMPERATURE DEPENDENCE/
69-CO-04 COPLEY, MACPHERSON+ K-Cl :: EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRA/ DEBYE TEMP.,
70-JA-02 JAYALAKSHMI, VISWAMITRA K-Cl :: EXPERIMENT/ X-RAY SCATTERING
70-PA-02 PAHNKE, ROLANDSON Na-Cl/ K-Cl/ PbCl₂/ PbF₂ :: SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DEBYE TEMPERATURE

4. 83 K+H2+F3 POTASSIUM DIHYDROGEN FLUORIDE
63=BO-02 ROUTIN, SAFFORD H,F / K+H2,F3 / K+H2,F3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS

4. 84 K+H2+P+O4 POTASSIUM DIHYDROGEN PHOSPHATE
61=RJ-01 RUSH, TAYLOR+ K+H2+P+O4 / (N+H4)2+CR+O4 / (N+H4)2+CR2+O7 / N+H4+C,N,S / N+H4+CL+O4 ..EXPERIMENT/ MOLECULAR DYN
63=PA-01 PALFVSKY, OTNES+ K+H2,P,O4 ..EXPERIMENT/ TOF
65=TM-01 IMRY, PELAH+ K+H2,P,O4 / K2+H,P,O4 / K3,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
65=PF-03 PELAH, WIENER+ K+H2,P,O4 / K2,H,P,O4 / K3,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
67=RL-02 BLINC, DIMIC+ K+H2,P,O4 ..MOLECULAR DYNAMICS/ SOLID/ EXPERIMENT
68=RJ-04 RUIYERS, COWLEY+ K+H2,P,O4 ..EXPERIMENT/ QUASI-ELASTIC SCATTERING ..34DC ~ -49+6DC
68=SC-01 SCHENK, WIFNER+ K+H2,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..PHASE TRANSITION
68=SC-02 SCHENK, WIFNER+ K+H2,P,O4 ..EXPERIMENT/ TOF/ SINGLE CRYSTAL ..AS A FUNCTION OF TEMPERATURE/ PHASE TRANSITION
69=CO-01 COCHRAN, NEUTRON-SCATTERING-IN-SOLIDS/ RA,Ti,O3 / K+H2,P,O4 / NA,NiO2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
69=ST-01 STEINMAN, SUMMERFIELD K+H2,P,O4 ..THEORY/ INCOHERENT SCATTERING ..SINGLE CRYSTAL/ TUNNELING MOTION

4. 85 K+Fe+(C,N)6 POTASSIUM FERROCYANIDE
65=RJ-02 RUSH, TAYLOR K+Fe+(C,N)6 / (N+H4)2+Si,O4 / N+H4+H,S,O4 / (N+H4)2+BF+Fa ..EXPERIMENT/ MOLECULAR LATTICE DYNAMICS

4. 86 K,I POTASSIUM IODIDE
66=DO-01 DOLLING, COWLEY+ K,I ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS
67=IV-01 IVERONOVA, PARANGTOP+ K+Cl / K,I ..LATTICE DYNAMICS/ DISPERSION RELATION ..X-RAY EXPERIMENT
69=SA-03 SAFFORD, LFUNG+ H2,O / LA+Cl 3 / CS,1 / CS,Cl / K,I / K,BR / K+Cl / NA+Cl ..EXPERIMENT/ TOF SPECTRA/ INTERMOLECULAR

4. 87 K+Mn+Fa POTASSIUM MANGANESE TRIFLUORIDE
69=MI-02 MINKIEWICZ, SHIRANE K+Mn,F3 ..EXPERIMENT/ DISPERSION RELATION/ TEMPERATURE DEPENDENCE

4. 88 K2+H+P,O4 POTASSIUM MONOHYDROGEN PHOSPHATE
65=TM-01 IMRY, PELAH+ K+H2,P,O4 / K2+H,P,O4 / K3,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
65=PF-03 PELAH, WIENER+ K+H2,P,O4 / K2+H,P,O4 / K3,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF

4. 89 K3,P,O4 POTASSIUM PHOSPHATE
65=TM-01 IMRY, PELAH+ K+H2,P,O4 / K2+H,P,O4 / K3,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF
65=PF-03 PELAH, WIENER+ K+H2,P,O4 / K2+H,P,O4 / K3,P,O4 ..EXPERIMENT/ LATTICE DYNAMICS ..TOF

4. 90 Si+O2 QUARTZ
67=FL-01 FLCOMBE QUARTZ ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION
69=LE-01 LEADBETTER SILICA/ QUARTZ/ CRYSTOBALITE ..EXPERIMENT/ COLLECTIVE VIBRATION/ AMORPHOUS SOLID ..TOF/ SILICA/
70=AK-01 AXF, SHIRANE QUARTZ ..EXPERIMENT/ PHONON/ CRITICAL SCATTERING ..PHASE TRANSFORMATION/ ABOVE 573DC/ CONST..

4. 91 RB,N3 RUBIDIUM AZIDE
69=GD-01 GOVINDARAJAN, HARIDASAN K+N3 / RB,N3 / CS,N3 ..THEORY/ LATTICE VIBRATION ..RIGID ION MODEL/ BODY CENTERED TE

4. 92 RB,BR RUBIDIUM BROMIDE
68=BU-03 BUYERS, COWLEY K+Br / RB,BR ..EXPERIMENT/ LATTICE DYNAMICS ..MIXED CRYSTAL

4. 93 RB,CL RUBIDIUM CHLORIDE
70=RA-02 RAUNIO, ROLANDSON Na+Cl / K+Cl / RB,Cl / RB,F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DENSITY TEMPERATURE
70=RA-03 RAUNIO, ROLANDSON RB,Cl / RB,F ..EXPERIMENT/ CONST.-Q/ LATTICE DYNAMICS/ DISPERSION RELATION ..BOND/ DEFORM

4. 94 RB,F RUBIDIUM FLUORIDE
70=RA-02 RAUNIO, ROLANDSON Na+Cl / K+Cl / RB,Cl / RB,F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DENSITY TEMPERATURE
70=RA-03 RAUNIO, ROLANDSON RB,Cl / RB,F ..EXPERIMENT/ CONST.-Q/ LATTICE DYNAMICS/ DISPERSION RELATION ..BOND/ DEFORM

4. 95 RB,I RUBIDIUM IODIDE
60=SA-01 SAUNDERSON RB,I ..EXPERIMENT/ LATTICE DYNAMICS
65=HA-02 HARDY, KARO RB,I ..DISPERSION RELATION/ THEORY/ SOLID/ LATTICE DYNAMICS

4. 96 Ti,O2 RUTILE
70=KA-02 KATIYAR RUTILE ..THEORY/ LATTICE DYNAMICS ..MULTIPLIER GROUP APPROACH

4. 97 Se,Te Selenium Telluride
69=GI-03 GILLIS Se,Te ..THEORY/ SOLID

4. 98 Si+O2 SILICA
69=LF-01 LEADBETTER SILICA/ QUARTZ/ CRYSTOBALITE ..EXPERIMENT/ COLLECTIVE VIBRATION/ AMORPHOUS SOLID ..TOF/ SILICA/

4. 99 Si+C SILICON CARBIDE
69=HD-01 HODGES Si+C ..THEORY/ SOLID/ LATTICE DYNAMICS
69=VF-01 VETELINO, MITRA Si+C ..LATTICE DYNAMICS/ SOLID/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION

4.100	NA+BR	SODIUM BROMIDE
68-BU-05	BUYERS, SMITH	K+CL / K+BR / NA+I / NA+CL / NA+BR / NA+F ..THEORY/ DFRYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-MF-01	MELVIN, PIRIE+	NA+F / NA+CL / NA+BR / NA+I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
70-RF-01	RFID, SMITH+	NA+BR ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION 295DK/ RIGID SHE
4.101	NA+CL	SODIUM CHLORIDE
68-AL-01	ALMOVIST, RAUNIO+	NA+CL ..EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION 800K
68-BF-01	BENEDIKT, NARDELLI	NA+CL / K+CL ..DISPERSION RELATION/ THEORY/ LATTICE DYNAMICS
68-BU-05	BUYERS, SMITH	K+CL / K+BR / NA+I / NA+CL / NA+BR / NA+F ..THEORY/ DFRYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-MF-01	MELVIN, PIRIE+	NA+F / NA+CL / NA+BR / NA+I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
68-RA-02	RAUNIO, ALMOVIST+	NA+CL ..DISPERSION RELATION/ EXPERIMENT/ SOLID 800K/ 300DK
70-RA-02	RAUNIO, ROLANDSON	NA+CL / K+CL / RB+CL / RB+F ..SHELL MODEL FITTING/ FREQUENCY SPECTRUM/ DEBYE TEMPERATURE
70-SC-01	SCHMUNK	NA+CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ SOLID
71-NA-01	NAMJOSHI, MITRA+	THEORY-OF-SOLIDS/ NA+F / NA+CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ RIGID ION MODEL US
4.102	NA+H2+F3	SODIUM DIHYDROGEN FLUORIDE
63-RO-02	ROUTIN, SAFFORD	H+F / K+H2+F3 / NA+H2+F3 ..EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS
4.103	NA+F	SODIUM FLUORIDE
68-MF-01	MELVIN, PIRIE+	NA+F / NA+CL / NA+BR / NA+I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
69-PA-03	HARDY, KARO+	NA+F ..LATTICE DYNAMICS/ THEORY/ EXPERIMENT ..RAMAN SPECTRUM/ 300DK
69-KA-03	KARO, HARDY	NA+F ..THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY SPECTRA ..RIGID-ION MODEL/ DEF
71-NA-01	NAMJOSHI, MITRA+	THEORY-OF-SOLIDS/ NA+F / NA+CL ..LATTICE DYNAMICS/ DISPERSION RELATION/ RIGID ION MODEL US
4.104	NA+H	SODIUM HYDRIDE
4.105	NA+H+C+O3	SODIUM HYDROGEN CARBONATE
70-CO-02	COLLINS, HAYWOOD+	K+H+F2 / CS+H+CL2 / NA+H+C+O3 / K+C2+CL3+O2 / K+C2+F3+O2 ..EXPERIMENT/ MOLECULAR DYNAMICS/ F
4.106	NA+I	SODIUM IODIDE
60-WO-01	WOODS, COCHRAN+	NA+I ..EXPERIMENT/ DISPERSION RELATION
63-WO-02	WOODS, BROCKHOUSE+	K+BR / NA+I ..EXPERIMENT/ DISPERSION RELATION/ LATTICE DYNAMICS 900K
68-BU-05	BUYERS, SMITH	K+CL / K+BR / NA+I / NA+CL / NA+BR / NA+F ..THEORY/ DFRYE-WALLER FACTOR ..TEMPERATURE DEPENDENCE/
68-MF-01	MELVIN, PIRIE+	NA+F / NA+CL / NA+BR / NA+I ..THEORY/ LATTICE DYNAMICS/ DISPERSION CURVE ..SHELL MODEL/ IONIC
68-RO-01	BUITINER, VUKOVICH+	NA+I ..EXPERIMENT/ LATTICE DYNAMICS ..PRESSURE EFFECTS/ 3000 ATM
70-KU-01	KUCHER, TOMASVICH	NA+I ..THEORY/ SOLID/ FREQUENCY DISTRIBUTION
4.107	NA+N+O3	SODIUM NITRATE
70-SA-02	SAKURAI, COWLEY+	NA+N+O3 ..EXPERIMENT/ 3-AXIS SPECTROMETER/ DISPERSION RELATION
4.108	NA+N+O2	SODIUM NITRITE
69-CO-01	COCHRAN	NEUTRON-SCATTERING-IN-SOLIDS/ BA+TI+O3 / K+H2+P+O4 / NA+N+O2 ..THEORY/ DIELECTRIC/ CRITICAL SCATT
4.109	SR+F2	STRONTIUM FLUORIDE
70-DF-03	DEFNHAM, FIELD+	CA+F2 / SR+F2 / RA+F2 / CD+F2 / PR+F2 ..THEORY/ LATTICE DYNAMICS/ FREQUENCY SPECTRA/ DISPERSION
4.110	SR+Ti+O3	STRONTIUM TITANATE
62-CO-04	COWLEY	SR+Ti+O3 ..EXPERIMENT/ DISPERSION RELATION
63-CO-07	COWLEY	SR+Ti+O3 ..DISPERSION RELATION/ EXPERIMENT/ LATTICE DYNAMICS ..TEMPERATURE DEPENDENCE
64-CO-02	COWLEY	SR+Ti+O3 ..DISPERSION RELATION/ EXPERIMENT/ LATTICE DYNAMICS
66-SO-01	SOLODOV, KUKHTO+	SR+Ti+O3 / RA+Ti+O3 / PR+Ti+O3 ..EXPERIMENT/ LATTICE VIBRATION ..POLYCRYSTAL/ ROOM TEMP/ 47
68-CO-10	COWLEY, BUYERS+	K+BR / SR+Ti+O3 ..THEORY/ EXPERIMENT/ LATTICE DYNAMICS/ ELASTIC CONSTANT ..NEUTRON MEASUREM
68-FL-01	FLFLURY, SCOTT	SR+Ti+O3 ..RAMAN SPECTROSCOPY
69-MO-01	MONTGOMERY	ZN+5 / DIAMOND / SR+Ti+O3 ..GROUP THEORY/ LATTICE VIBRATION ..SYMMETRY PROPERTIES
69-SH-05	SHIRANE, YAMADA	SR+Ti+O3 ..EXPERIMENT/ LATTICE DYNAMICS/ PHASE TRANSITION ..SOFT PHONON MODE
69-YA-01	YAMADA, SHIRANE	SR+Ti+O3 ..EXPERIMENT/ CONST-0/ DISPERSION RELATION/ TEMPERATURE DEPENDENCE ..450K-300DK
4.111	TA+C	TANTALUM CARBIDE
70-SM-01	SMITH, GLAFER	TA+C / HF+C ..EXPERIMENT/ DISPERSION RELATION
4.112	TI+CL	THALLIUM CHLORIDE
69-KA-01	KAMAL, MENDIRATTA	TI+CL ..THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION/ SPECIFIC HEAT
4.113	TI+BR	THALLIUM BROMIDE
67-CO-03	COWLEY, OKAZAKI	TI+BR ..EXPERIMENT/ SOLID/ LATTICE DYNAMICS/ DISPERSION RELATION
4.114	TH+O2	THORIUM DIOXIDE
66-BF-03	BESHAI	U/ U+O2 / TH+O2 ..EXPERIMENT/ TOTAL CROSS SECTION/ TOF
4.115	SN+O2	TIN DIOXIDE
67-BR-02	BROVMAN, KAGAN	SN/ SN+O2 ..DISPERSION RELATION/ FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS/ HORN-VON

4.116	Sn-Te	Tin Telluride
69-CO-03	COWLEY, DARRY+	SN-TF ::EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION ::100DK
4.117	U-C	URANIUM CARBIDE
67-PA-03	PAN, YFATER+	ZR-H/ NB-H/ TI-H/ U-C ::EXPERIMENT/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION
68-BD-02	BORGONOVI, CARRIVEAU	U-C ::SOLID/ SIGMA (E) ::ROOM TEMPERATURE
68-LA-01	LAJUNFSSE, MOORE+	U-C ::THEORY/ EXPERIMENT/ CROSS SECTION/ FREQUENCY DISTRIBUTION
68-PU-01	PUROHIT, PAN+	U-C/ U-O2/ ZR-H/ TI-H/ NB-H/ TH-H ::SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-SL-01	SLAGGIE	U-C ::THEORY/ SOLID/ LATTICE DYNAMICS/ CENTRAL-FORCE MODELS/ BORN-VON KARMAN MODEL/ FREQUENCY D
4.118	U-O2	URANIUM DIOXIDE
63-TH-02	THORSON, HAYWOOD	U-O2 ::EXPERIMENT/ SOLID/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ TOF ::22 DC
65-DO-01	DOLLING, COWLEY+	U-O2 ::EXPERIMENT/ THEORY/ DISPERSION RELATION ::296DK/ 7-PARAMETER RIGID ION MODEL/ TRIP
65-WO-04	WOODS, DOLLING+	U-O2 ::CRYSTAL DYNAMICS/ DISPERSION RELATION/ EXPERIMENT
66-AD-01	ADKINS, PERSIANI+	U-O2 ::THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ::ROSONANCE LINE SHAPES
66-RF-03	RFSHAII	U/ U-O2/ TH-O2 ::EXPERIMENT/ TOTAL CROSS SECTION/ TOF
67-BI-01	BISCHOFF, BRYANT+	POLYETHYLENE/ H2-O/ ZR-H/ NB-H/ U-O2 ::EXPERIMENT
68-BR-03	AFYSTER, BORGONOVI+	BIPHENYL/ THR-H/ U-O2 ::LATTICE DYNAMICS/ SCATTERING FUNCTION
68-PU-01	PUROHIT, PAN+	U-C/ U-O2/ ZR-H/ TI-H/ NB-H/ TH-H ::SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT
68-TH-01	THORSON	7R-H/ U-O2 ::SCATTERING FUNCTION/ EXPERIMENT/ SOLID ::DIFFERENTIAL SCATTERING CROSS SECTION
4.119	C-O-(N-H)2	UREA
68-TR-03	TREVINO	UREA ::THEORY/ SOLID
4.120	Y-V-O4	YTTRIUM VANADATE
68-MI-03	MILLER, CASPERS+	Y-V-O4 ::EXPERIMENT/ LATTICE DYNAMICS ::INFRARED AND RAHMAN SPECTROSCOPY
4.121	Zn-O	ZINC OXIDE
70-HF-01	HEWAT	ZN-O/ BF-O ::THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES
70-WF-01	WEGFNER, HAUTECLER	7N-O ::EXPERIMENT/ TOF/ DISPERSION RELATION
4.122	Zn-S	ZINC SULFIDE
69-FE-01	FELDKAMP, VENKATARAMAN+	ZN-S ::EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVES ::CONST=0/ SIX-PARAMETER V
69-MO-01	MONTGOMERY	ZN-S/ DIAMOND/ SR-TI-O3 ::GROUP THEORY/ LATTICE VIBRATION ::SYMMETRY PROPERTIES
69-VF-02	VETELINO, MITRA+	ZN-S ::THEORY/ LATTICE DYNAMICS/ DISPERSION CURVES ::RIGID ION MODEL
5	5 ORGANIC COMPOUNDS	
5. 1	ACENAPHTHEN	C12-H10
70-LU-01	LUTY, JANIK+	ACENAPHTHEN ::EXPERIMENT/ THEORY/ FREQUENCY SPECTRUM/ LATTICE DYNAMICS
5. 2	ACETIC ACID	C2-H4-O2
65-GO-01	GOLIKOV, ZHOKORSKAJA+	C2-H6-O2/ H2-O/ C2-H4-O2/ C6-H6 ::EXPERIMENT/ LIQUID/ SOLID
67-AL-01	ALDRIDGE, EDEN+	ACETIC ACID/ ALCOHOL ::MOLECULAR DYNAMICS/ LIQUID/ EXPERIMENT
67-AL-02	ALDRIDGE, EDFN+	ACETIC ACID/ METHANOL ::EXPERIMENT/ TOF SPECTRUM/ QUASI-ELASTIC PEAK WIDTH
5. 3	ACFTONE	C3-H6-O
5. 4	ACETYLNF	C2-H2
64-VA-01	VAN-DINGENEN, NEVEDF-MEVERGNIES	ACETYLENE/ AMMONIA/ METHANE ::TOTAL CROSS SECTION/ EXPERIMENT/ SOLID ::LON
5. 5	ADAMANTANE	C10-H16
67-ST-05	STOCKMEYER, STILLER	ADAMANTANE ::EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ SOLID/ FREQUENCY DISTRI
68-CH-01	CHEN, DVORAK	HFXAMETHYLENETRIMINE/ ADAMANTANE/ N4H4CL ::THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ D
69-ST-02	STOCKMEYER, HOSSFIELD+	ADAMANTANE ::THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ::COMPUTER CALCULATION
5. 6	ALCOHOL	
61-BR-03	BRUGGER	ZR-H/ H2-O/ BNZENEF/ PARAFFINE/ ALCOHOL ::SIGMA (E-E-PRIME-THETA)/ EXPERIMENT/ LIQUIDS/ TOF
66-LA-01	LARON, BERGSTEDT	ALCOHOL/ PFNTANE ::THEORY/ LIQUID/ MOLECULAR DYNAMICS/ NEUTRON SPECTRA/ DIFFERENTIAL CROS
66-LA-02	LARSSON, AMARAI+	ALCOHOL/ PFNTANE ::EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION ::
67-AL-01	ALDRIDGE, EDFN+	ACETIC ACID/ ALCOHOL ::MOLECULAR DYNAMICS/ LIQUID/ EXPERIMENT
68-SA-04	SAMPSON, CARPENTER	ALCOHOL/ MERCAPTAN ::EXPERIMENT/ MOLECULAR DYNAMICS
5. 7	ANTHRACENF	C14-H10
70-LU-02	LUTZ, HAFLG	ANTHRACENF ::THEORY/ EXPERIMENT/ SOLID ::COHERENT INELASTIC NEUTRON SCATTERING/ PHONON DISPER
70-LU-03	LUTZ	ANTHRACENF ::EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE/ FREQUENCY SPECTRUM
5. 8	BNZENEF	C6-H6
61-BR-03	BRUGGER	ZR-H/ H2-O/ BNZENEF/ PARAFFINE/ ALCOHOL ::SIGMA (E-E-PRIME-THETA)/ EXPERIMENT/ LIQUIDS/ TOF
61-HF-02	HEINLOTH	H2-O/ C6-H6/ C-H2-O2 ::SIGMA(E) ::EXPERIMENT/ GAS/ LIQUID/ SOLID/ RIEGER-NELKIN MODEL ::TRANSI

Bibliography for Thermal Neutron Scattering

62-B0-01 BOFFI, MOLINARI+ BENZENF ..THEORY/ MOLECULAR DYNAMICS/ FREQUENCY DISTRIBUTION ..SCATTERING CROSS SECTION/
 62-RU-01 RUSH, TAYLOR+ N-H4-CL/ N-H4-I/ N-H4-F/ N-H4-Br/ BNZENE/ MFSITYLENF/ XYLENE ..EXPERIMENT/ TOTAL C
 62-ZE-01 ZEMLYANOV, CHERNOPELKOV POLYETHYLENE/ BENZENE/ BIPHENYL ..EXPERIMENT/ MOLECULAR DYNAMICS
 63-RO-01 ROFFI, MOLINARI+ C6,H6 ..SIGMA(E)/ SCATTERING LAW/ FREQUENCY DISTRIBUTION/ THEORY/ GAS/ MOLECULAR DYNAMICS
 64-GL-01 GLAFSER, BFCRURTS BNZENF/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ SOLID/ LIQUID ..2ND MOMENT OF ENERGY TRANSFER
 65-GL-02 GLAFSER BENZENE/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERIN LAW/ SIGMA (E,E-PRIME,TH
 65-GL-03 GLAFSER, EHRT+ C6,H6/ H2,O/ ZR-H ..SCATTERING LAW/ FREQUENCY DISTRIBUTION/ EXPFRIMNT/ LIQUID ..20DC FOR
 65-GO-01 GOLIKOV, ZHOKORSKJA+ C2,H6,O2/ H2,O/ C2,H4,O2/ C6,H6 ..EXPERIMENT/ LIQUID/ SOLID
 65-HO-01 HOFMEYER BENZENE/ BIPHENYL/ TERPHENYL ..EXPERIMENT ..21DC-150DC 10X,23H DATA END IN GTMIN RTN.)
 65-ZE-02 ZEMLYANOV, CHERNLEKOV+ C6,H6 ..SIGMA(E,E-PRIME,THETA)/ EXPERIMENT/ LIQUID ..290DK
 66-AN-01 ANTONINI, PAOLETTI+ BENZENF/ BIPHENYL ..EXPERIMENT/ SOLID/ LIQUID/ SIGMA(E)
 66-B0-01 BOFFI, MARCICO+ BENZENE ..SIGMA-TRANSPORT(E)/ SIGMA(E,E-PRIME,THETA)/ THEORY/ GAS/ LIQUID/ DIFFUSION PARAM
 66-SC-02 SCHMIDT, SAAD BNZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
 67-RF-03 REYSTER, BORGONOV+ C,H2/ C6,H6/ ZR-H ..EXPERIMENT
 67-GF-01 GEF, ROBINSON BENZENE ..MOLECULAR DYNAMICS ..RAMAN SPECTRUM
 67-NF-02 NEILL BENZENE ..SIGMA (F)/ EXPFRIMNT
 67-RU-01 RUSH BENZENE ..MOLECULAR DYNAMICS/ LIQUID/ SOLID/ EXPERIMENT/ NEUTRON SPECTRUM/ FREQUENCY SPECTRUM
 68-AR-02 ARDFNTF, CUNIBRTI+ BIPHENYL/ BNZENE ..CROSS SFTION EVALUATION/ MOLECULAR DYNAMICS/ GAS/ THEORY
 68-BF-04 REYSTER, BORGONOV+ C,H2/ ZR-H/ C6,H6 ..EXPERIMENT/ MOLECULAR DYNAMICS
 68-HF-01 HENRY, SIERRAND BENZENE ..FREQUENCY SPECTRUM/ THEORY/ LIQUID/ MOLECULE DYNAMICS
 68-HO-02 HOLMRYD, NELIN BNZENE/ TOLUENF ..EXPFRIMENT/ TOF ..DIFFUSIVE MOTION/ QUASI-ELASTIC
 68-MA-04 MARSDEN, McMURRY C6,H6 ..SIGMA (F)/ SIGMA (E,E-PRIME)/ SCATTERING FUNCTION/ NEUTRON SPECTRUM/ THEORY/ GAS/
 68-NA-02 NARTEN BNZENF ..LIQUID/ EXPERIMENT/ MOLECULAR DYNAMICS ..X-RAY DIFFRACTION/ 25DC
 68-RO-01 ROSS, SZABO+ BNZENF/ H2,O ..SCATTERING FUNCTION/ FREQUENCY DISTRIBUTION/ EXPERIMENT/ LIQUID ..20DC FOR BE
 68-SP-01 SPRFVAK, KOPPEL+ BNZENF ..THEORY/ MOLECULAR DYNAMICS/ FRFQUENCY DISTRIBUTION/ CROSS SECTION EVALUATION
 68-SP-02 SPRFVAK, BORGONOV+ BNZENF ..SCATTERING FUNCTION/ LIQUID/ NEUTRON SPECTRUM/ SCATTERING THEORY ..ROOM TEMP
 68-TR-01 TREPADUS, BALLY+ BENZENE ..EXPERIMENT/ MOLECULAR DYNAMICS
 69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2,O/ HEXANE/ METHANOL/ ETHANOL/ ACETIC
 69-MA-03 MARSDEN BNZENE ..THEORY/ MOLECULAR DYNAMICS/ SCATTERING LAW
 69-RF-02 REYNOLDS, WHITE BENZENE ..EXPERIMENT/ TOF SPCTRUM/ MOLECULAR DYNAMICS
 70-GU-03 GUPTA, DEPURUA BNZENF ..EXPERIMENT/ FREQUENCY SPCTRUM
 70-LO-01 LOGAN, TREVINO+ BNZENE ..EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ..77,K TO 270,K

5: 9 BIPHENYL

C12,H10

62-7F-01 ZEMLYANOV, CHERNOPLFKOV POLYETHYLENF/ BNZENF/ BIPHENYL ..EXPERIMENT/ MOLECULAR DYNAMICS
 64-GL-01 GLAFSER, BFCRURTS BNZENF/ BIPHENYL/ BIPHYLE ..EXPERIMENT/ SOLID/ LIQUID ..2ND MOMENT OF ENERGY TRANSFER
 64-MO-01 MOSTOVOV, DIKARFY+ H2,O/ BIPHENYL ..FREQUENCY SPECTRUM/ EXPERIMNT
 65-GL-02 GLAFSER BENZENE/ BIPHENYL/ BIPHYLE ..EXPFRIMENT/ MOLECULAR DYNAMICS/ SCATTERIN LAW/ SIGMA (F,E-PRIME,TH
 65-HO-01 HOFMEYER BNZENF/ BIPHENYL/ TERPHENYL ..EXPERIMENT ..21DC-150DC 10X,23H DATA END IN GTMIN RTN.)
 66-AN-01 ANTONINI, PAOLETTI+ BNZENF/ BIPHENYL ..EXPERIMENT/ SOLID/ LIQUID/ SIGMA(E)
 66-SC-02 SCHMIDT, SAAD BNZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
 67-NF-01 NEILL, ANTUNEZ+ BIPHENYL ..EXPERIMENT
 68-AR-02 ARDFNTF, CUNIBRTI+ BIPHENYL/ BNZENE ..CROSS SFTION EVALUATION/ MOLECULAR DYNAMICS/ GAS/ THEORY
 68-BF-03 REYSTER, BORGONOV+ BIPHENYL/ ZR-H/ U,O2 ..LATTICE DYNAMICS/ SCATTERING FUNCTION
 68-SP-02 SPRFVAK, KOPPEL BIPHENYL ..THEORY/ SCATTERING LAW/ SIGMA (E)/ LIQUID

5: 10 BIPHYLF

64-GL-01 GLAFSER, BFCRURTS BNZENF/ BIPHENYL/ BIPHYLF ..EXPERIMENT/ SOLID/ LIQUID ..2ND MOMENT OF ENFRGY TRANSFER
 65-GL-02 GLAFSER BENZENF/ BIPHENYL/ BIPHYLF ..EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERIN LAW/ SIGMA (E,E-PRIME,TH

5: 11 RIUTANE

C4,H10

68-HO-03 HOYLAND C4,H10 ..THEORY/ MOLECULF DYNAMICS

5: 12 CHLOROBENZENF

C6,H5,CL

68-0--01 O-RFILLY C1,CL4/ C,H,Cl 3/ C6,H5,CL/ H,F/ H,CL/ N,H3/ H2,O ..CORRELATION FUNCTIONS/ MOLECULAR ROTATIONS/ LIQU

5: 13 CHLORONAPHTHALENF

C10,H7,CL

68-FI-01 FISENTHAL, DOWLEY+ CHLORONAPHTHALENF ..EXPFRIMENT/ LIQUID ..TWO-PHONON SPECTRUM

5: 14 CYANAMIDE

C4,H2,N2

68-DH-01 DURIG, WALKER+ CYANAMIDE ..FREQUENCY DISTRIBUTION/ EXPFRIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS

5: 15 CYCLOHEXANE

C6,H12

63-RF-01 BECKA CYCLOHEXANE/ DIMETHYLUTANF/ DIAZOBICYCLOCOTANF ..EXPERIMENT/ TOF
 66-SC-02 SCHMIDT, SAAD BENZENE/ BIPHENYL/ TERPHENYL/ CYCLOHEXANE ..EXPERIMENT
 68-TA-02 TARINA CYCLOHEXANE ..EXPERIMENT/ SIGMA(F)/ DIFFERENTIAL CROSS SECTION ..SOLID-LIQUID TRANSITION/ -20DC
 69-DF-01 DE-GRAAF CYCLOHEXANE ..LIQUID/ SOLID/ EXPFRIMENT/ TIME OF FLIGHT ..HINDERED ROTATION OF RIGID MOLECULE/
 69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2,O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC
 70-PI-01 PICKETT, STRAUSS CYCLOHEXANE ..EXPERIMENT/ THEORY/ MOLECULAR VIBRATION/ INTRATOMIC FORCE CONSTANT..FG-MET

5: 16 CYCLOHEXANOL

C6,H12,O

69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2,O/ HEXANE/ METHANOL/ ETHANOL/ ACETIC
 70-DF-02 DE-MUL, BERGMAN CYCLOHEXANOL ..EXPERIMENT/ TOF/ LIQUID/ QUASI-ELASTIC PEAK ..JUMP-DIFFUSION/ INCOHERENT NE

5: 17 DIAZOBICYCLOCOTANE

63-BF-01 BECKA CYCLOHEXANE/ DIMETHYLUTANF/ DIAZOBICYCLOCOTANE ..EXPERIMENT/ TOF

5: 18 DIMETHOXYAZOXYBENZENE

5: 19 DIMETHYLACETYLENE

62-RII-02 RUSH, SAFFORD+ N-H4,P,F6/ (N-H4)2,S2,O8/ (N-H4)2,CR,O4/ N-H4,S,O3,F/ DIMETHYLACETYLENE ..EXPERIMENT/ MOLEC
 64-JA-01 JANIK, JANIK+ C,H4/ C,H3,1/ DIMETHYLACETYLENE/ N-H4,CL,O4/ N-H4,P,F6/ H3,O,CL,O4/ DIMETHOXYAZOXYBENZENE

5: 20 DIMETHYLBUTANE
 63-BF-01 BFCKA CYCLOHEXANE/ DIMETHYLBUTANE/ DIAZOBICYCLOOCTANE ++EXPERIMENT/ TOF

5: 21 DIMETHYLSULPHONE
 69-SA-01 SAFFORD+ SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ++SIGMA (E,F-PRIME,THETA)/ EXPERIMENT/ LIQUID
 69-SA-04 SAFFORD+ SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ++EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS/ SEL

5: 22 DIMETHYLSULPHOXIDE
 69-SA-01 SAFFORD+ SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ++SIGMA (E,F-PRIME,THETA)/ EXPERIMENT/ LIQUID
 69-SA-04 SAFFORD+ SCHAFFER+ DIMETHYLSULPHOXIDE/ DIMETHYLSULPHONE ++EXPERIMENT/ TOF SPECTRA/ MOLECULAR DYNAMICS/ SEL

5: 23 DODECANE C12.H26
 70-FG-01 FGELSTAFF+ HARRIS PENTANE/ HEPTANE/ DODECANE ++EXPERIMENT/ QUASI-ELASTIC/ DIFFUSION CONSTANT

5: 24 ETHANE C2.H6
 65-GA-01 GANNON, McMURRY C2.H4/ C2.H6/ COMPUTER-CODES ++THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION
 65-ST-04 STRAKER C2.H6 ++SCATTERING LAW
 66-RR-04 BRUGGER METHANE/ ETHANE/ AL/ NA/ PR/ AR ++COMPILEATION/ SCATTERING FUNCTION
 67-ST-06 STRONG, BRUGGER ETHANE ++MOLECULAR DYNAMICS/ GAS/ EXPERIMENT/ FREQUENCY DISTRIBUTION ++ROOM TEMPERATURE
 68-BU-01 BULAVIN, VORONOV+ ETHANE ++EXPERIMENT/ QUASI-ELASTIC/ LIQUID/ GAS

5: 25 ETHANOL C2.H5.O

5: 26 ETHYL CHLORIDE C2.H5.Cl
 70-ST-02 STRONG, BRUGGER+ ETHYL CHLORIDE ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ LIQUID/ SOLID

5: 27 ETHYLENE C2.H4
 65-BA-02 BALLY, TODIREANU+ ETHYLENE ++EXPERIMENT/ SCATTERING LAW ++GAS TARGET/ TRIPLE-AXIS SPECTROMETER
 67-RA-02 BALLY, TODIREANU+ METHANE/ ETHYLENE ++GAS/ EXPERIMENT

5: 28 ETHYLENE GLYCOL C2.H6.O2
 65-GO-01 GOLOKOV, ZHOKORSKJA+ C2.H6.O2/ H2.O/ C2.H4.O2/ C6.H6 ++EXPERIMENT/ LIQUID/ SOLID

5: 29 FORMIC ACID C1.H2.O2
 61-HF-02 HEINLOTH H2.O/ C6.H6/ C1.H2.O2 ++SIGMA(E)/ EXPERIMENT/ GAS/ LIQUID/ SOLID/ KRIFGER-NELKIN MODEL ++TRANSMI

5: 30 GLYCELINE C3.H8.O3
 63-LA-01 LARSSON, DAHLBORG D2.O/ GLYCLINE/ H2.O ++EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION/ TOF .,278, 295, 368,
 64-LA-01 LARSSON, DAHLBORG H2.O/ D2.O/ PENTANE/ GLYCLINE ++EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
 70-BI-01 RIRR GLYCLINE ++EXPERIMENT/ QUASI-ELASTIC SCATTERING/ DIFFUSION CONSTANT

5: 31 HEPTANE C7.H16
 70-FG-01 FGELSTAFF, HARRIS PENTANE/ HEPTANE/ DODECANE ++EXPERIMENT/ QUASI-ELASTIC/ DIFFUSION CONSTANT

5: 32 HEXAMETHYLBENZENE C12.H18
 66-RU-01 RUSH, TAYLOR HEXAMETHYLBENZENE ++EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ++LOW-FREQUENCY MOTION/ NEAR 11
 69-HA-02 HAMILTON, EDMONDSON+ HEXAMETHYLBENZENE ++EXPERIMENT/ TOF SPECTRUM/ NEUTRON DIFFRACTION

5: 33 HEXAMETHYLENETETRAMINE C6.H12.N4
 62-BF-01 BFCKA HEXAMETHYLENETETRAMINE ++EXPERIMENT/ NEUTRON SPECTROMETRY .,800K/ 300DK/
 64-CO-01 COCHRAN, PAWLICK HEXAMETHYLENETETRAMINE ++THEORY/ LATTICE DYNAMICS/ DISPERSION/ FREQUENCY DISTRIBUTION .,X-
 68-CH-01 CHEN, DVORAK HEXAMETHYLENETETRAMINE/ ADAMANTANE/ N+H4.Cl ++THEORY/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS/ D
 68-PO-02 POWELL HEXAMETHYLENETETRAMINE ++EXPERIMENT/ CONST-Q/ DISPERSION CURVES/ FREQUENCY DISTRIBUTION .,296D
 70-PO-01 POLLING, POWELL HEXAMETHYLENETETRAMINE ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION .,MODEL FITTING
 70-RA-01 RAFIZADEH, YIP HEXAMETHYLENETETRAMINE ++THEORY/ LATTICE DYNAMICS

5: 34 HEXANE C6.H12

5: 35 L-TARTARIC ACID C4.H6.O6

5: 36 MALIC ACID C4.H4.O4

5: 37 MALONIC ACID C3.H4.O4

5: 38 MERCAPTAN C2.H6.S

- 5+ 39 MESISYLEN^F C₆H₉(C₆H₃)₃
- 5+ 40 METHANE C₂H₄
- 41-SA-01 SACHS, TELIFF NEUTRON-SCATTERING-IN-FLUIDS/ H₂/ C₂H₄/ N₂H₃/ H₂O ++SCATTERING THEORY ++MOLECULAR GASES
49-MF-01 MELKONIAN C₂H₄ ++SIGMA(F) EXPERIMENT
51-ME-01 MESSIAH H/ C₂H₄ ++THEORY/ SCATTERING THORY ++ROOM TEMP.
52-PO-01 POPF C₂H₄/ C₂F₄ ++MOLECULAR DYNAMICS/ THEORY
56-ZF-02 ZEMACH, GLAUSER METHANE ++SIGMA (THETA,F)/ THEORY/ GAS
61-GR-01 GRIFFING C₂H₄ ++THEORY/ MOLECULAR DYNAMICS/ GAS/ DIFFERENTIAL CROSS SECTION
61-RA-02 RAHMAN NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ++THEORY/ SCATTERING FUNCTION
61-RA-04 RANDOLPH, BRUGGER+ METHANE ++GAS/ SCATTERING LAW/ EXPERIMENT/ TOF/ MOLECULE DYNAMICS ++ROOM TEMP.
62-BR-02 BRUGGER METHANE/ H₂O/ D₂O/ PROPANE ++THEORY/ EXPERIMENT/ SCATTERING FUNCTION
62-GR-01 GRIFFING METHANE ++GAS/ EXPERIMENT/ CALCULATION
62-MC-01 McMURRY, GANNON+ METHANE/ PROPANE ++THEORY/ GAS/ DIFFERENTIAL CROSS SECTION
62-ST-01 STILLER, HAUTECLER METHANE ++EXPERIMENT/ MOLECULAR DYNAMICS/ LIQUID
63-GR-01 GRIFFING C₂H₄ ++SIGMA(F-F-PRIME,THETA)/ SCATTERING FUNCTION/ THEORY/ GAS/ CROSS SECTION
63-HA-03 HAUTECLER, STILLER C₂H₄ ++SIGMA(F-F-PRIME,THETA)/ EXPERIMENT/ MOLECULAR DYNAMICS
63-JA-01 JANIK C₂H₄/ N₂H₃/ C₂H₄/ N₂H₄/ BR/ N₂H₄S₀3.F ++SIGMA(F)/ SIGMA(E,F-PRIME,THETA)/ EXPERIMENT/ THE
63-JA-02 JANIK, JANIK+ C₂H₄/ N₂H₃/ H₂S/ H₂O ++SIGMA(E)/ EXPERIMENT/ LIQUID
63-RO-01 ROGALSKA METHANE ++SIGMA(F)/ EXPERIMENT/ LIQUID ++1560C/ 0.0057 TO 0.101FV
63-RO-02 ROGALSKA METHANE ++EXPERIMENT/ TOTAL SCATTERING CROSS SECTION VS. NEUTRON ENERGY/ LIQUID STATE
63-ST-01 STILLER, HAUTECLER METHANE ++SOLID/ EXPERIMENT
63-WF-01 WFAR C₂H₄/ N₂H₃/ H₂ ++SIGMA(F-F-PRIME,THETA)/ EXPERIMENT/ GAS ++ROOM TEMPERATURE
64-BR-05 BRUGGER, RAINNEY+ C₂H₄ ++EXPERIMENT/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION
64-DO-02 DORNFR, STILLER METHANE ++EXPERIMENT/ SOLID/ FREQUENCY DISTRIBUTION ++6.5DK/ RE DETECTOR METHOD
64-JA-01 JANIK, JANIK+ C₂H₄/ C₂H₃1/ DIMETHYLACETYLNE/ N₂H₄CL₀4/ N₂H₄P₆/ H₃O₂CL₀4/ DIMETHOXYAZOXYBENZENE
64-OT-01 OTNS, MELLOR+ C₂H₄ ++EXPERIMENT/ LIQUID
64-VA-01 VAN-DINGENEN, NEVEDF+MEVRGNITS ACETYLENE/ AMMONIA/ METHANE ++TOTAL CROSS SECTION/ EXPERIMENT/ SOLID ++LON
64-WH-01 WHITEMORE C₂H₄/ H ++EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS ++NEUTRON SPECTRA/ TOTAL CROSS SECTION
65-DA-02 DASANNACHARYA, VENKATARAMAN+ C₂H₄ ++SIGMA(F-E,-PRIME,THETA)/ EXPERIMENT/ LIQUID ++E=4.87 MILLI-V/ 97.5DK
65-DO-05 DORNFR, STILLER C₂H₄ ++SIGMA(E,F-PRIME,THETA)/ EXPERIMENT/ SOLID/ MOLECULAR DYNAMICS
65-GA-01 GANNON, McMURRY C₂H₄/ C₂H₆ ++COMPUTER-CODES ++THEORY/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION
65-GR-01 GRIFFING C₂H₄ ++THEORY/ LIQUID ++LANGMUIR EQUATION/ COMPARED WITH EXPERIMENT
65-HA-03 HARKER, BRUGGER METHANE ++SOLID/ LIQUID/ GAS/ SCATTERING LAW/ EXPERIMENT/ TOF/ MOLECULAR DYNAMICS ++125DK/
65-RO-01 ROGALSKA METHANE ++EXPERIMENT/ SOLID/ LIQUID/ TOTAL CROSS SECTION ++105DK/ 80DK/ 1.5MFV=4.5MEV
65-WH-01 WHITMORE POLYFTHIENE/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERI
66-BR-04 BRUGGER METHANE/ ETHANE/ AL/ NA/ PR/ AR ++COMPILEATION/ SCATTERING FUNCTION
66-DO-03 DORNFR, STILLER C₂H₄ ++EXPERIMENT/ FREQUENCY DISTRIBUTION/ SOLID ++6.5DK/ 2.7DK/ INVERSE-FILTER-METHOD
66-HA-01 HARKER METHANE ++SIGMA(F-F-PRIME,THETA)/ EXPERIMENT/ SOLID ++5DK, 9DK, 1ADK, 22DK/ F=34.7MV, THETA=48.
66-KO-05 KOSALY, SOLT C₂H₄/ N₂H₃.1 ++THEORY/ DIFFERENTIAL CROSS SECTION ++86DK FOR C₂H₄/ ROOM TEMP. FOR N₂H₃.1
66-ST-03 SINHA, VENKATARAMAN NEUTRON-SCATTERING-IN-FLUIDS/ METHANE ++MOLECULAR DYNAMICS ++DIFFERENTIAL CROSS SECTION
66-VF-01 VENKATARAMAN, DASANNACHARYA+ METHANE ++LIQUID/ EXPERIMENT/ MOLECULAR DYNAMICS/ TOF ++COHERENT
66-WF-01 WFAR, BRUGGER+ METHANE ++SCATTERING LAW/ EXPERIMENT/ THEORY/ GAS ++306DK/ C₂D₄
66-WF-02 WEST, BRUGGER+ C₂H₄ ++EXPERIMENT/ SCATTERING FUNCTION/ GAS/ MOLECULAR DYNAMICS ++306DK/ TOF
67-AG-01 AGRAWAL, YIP C₂H₄ ++THEORY/ LIQUID/ CROSS SECTION EVALUATION
67-BA-01 BAJOREK, NATKANIC+ METHANE ++EXPERIMENT/ GAS/ SOLID/ CRYSTAL SPECTROMETER
- 67-BA-02 BALIY, IODIRFANI+ METHANE/ ETHYLENE ++GAS/ EXPERIMENT
67-DA-01 DASANNACHARYA, VENKATARAMAN C₂H₄ ++CROSS SECTION EVALUATION/ LIQUID/ EXPERIMENT/ DIFFUSION PARAMETER/ FREQUENCY
67-HA-01 HARKER, BRUGGER METHANE ++EXPERIMENT/ SOLID/ TOF/ MOLECULAR DYNAMICS/ SCATTERING FUNCTION ++5DK/ 9.1DK/ 18
67-RA-04 RAO, VENKATARAMAN+ C₂H₄ ++THEORY/ LIQUID ++COMPARED WITH EXPERIMENT
67-SE-01 SEARS METHANE ++THEORY/ LIQUID ++COMPARED WITH EXPERIMENT
67-SO-01 SOLT METHANE ++MOLECULAR DYNAMICS/ SCATTERING FUNCTION/ SOLID
67-VF-01 VENKATARAMAN, DASANNACHARYA+ METHANE ++LIQUID/ EXPERIMENT/ THEORY ++COHERENT EFFECT
67-WF-01 WFAR METHANE/ AMMONIA ++GAS/ EXPERIMENT/ NEUTRON SPECTRUM ++20DK
68-AG-01 AGRAWAL, YIP C₂H₄/ H₂CL/ N₂H₃ ++GAS/ THEORY/ CORRELATION FUNCTION ++INCOHERENT/ INTERMEDIATE SCATTERING FUNCTION
68-AG-02 AGRAWAL, DFSAI+ NEUTRON-SCATTERING-IN-FLUIDS/ AR/ NA/ PB/ METHANE ++THEORY ++MODEL CALCULATION
68-BA-01 BAJOREK, NATKANIC+ C₂H₄ ++EXPERIMENT/ GAS/ SOLID/ MOLECULAR DYNAMICS ++TOF METHOD/ IBR PULSED REACTOR+ DU
68-CA-03 CARPENTER, LURIE C₂F₆/ C₂H₄ ++EXPERIMENT/ GAS/ SCATTERING FUNCTION
68-ED-01 FDFR, FGFLSTAFF METHANE ++EXPERIMENT/ SOLID/ LIQUID/ THEORY/ MOLECULAR DYNAMICS ++METHANE IN ARGON
68-JA-02 JANIK C₂H₄/ H₂O/ N₂H₃/ Li₂SiO₄H₂O/ H₃O₂N₂O₃/ C₂H₃.1 ++EXPERIMENT/ GAS/ LIQUID/ SOLID/ MOLECULAR
68-SK-01 SKOFLD METHANE ++SCATTERING FUNCTION/ SOLID/ MOLECULAR DYNAMICS/ THEORY ++22.1DK/ ORIENTATIONAL JUMPS
69-FU-01 FULINSKI, JANIK+ METHANE ++THEORY/ MOLECULAR INTERACTION
69-JA-03 JANIK, OTNES+ METHANE ++EXPERIMENT/ SPECTRUM AGAINST WAVELENGTH/ SOLID
70-BA-01 BANSAL, KOTHARI+ METHANE ++THEORY/ SOLID/ LATTICE VIBRATION/ FREQUENCY DISTRIBUTION
70-KA-01 KAPIULLA, GLAESER C₂H₄ ++EXPERIMENT
- 5+ 41 METHANOL C₂H₄O
- 67-AL-02 ALDRED, EDFN+ ACETIC ACID/ METHANOL ++EXPERIMENT/ TOF SPECTRUM/ QUASI-ELASTIC PEAK WIDTH
- 5+ 42 METHYL IODIDE C₂H₃I
- 64-JA-01 JANIK, JANIK+ C₂H₄/ C₂H₃I/ DIMETHYLACETYLNE/ N₂H₄CL₀4/ N₂H₄P₆/ H₃O₂CL₀4/ DIMETHOXYAZOXYBENZENE
66-BA-01 BAJOREK, JANIK+ METHYL IODIDE ++MOLECULAR DYNAMICS/ EXPERIMENT
- 5+ 43 METHYLENE C₂H₂
- 57-KR-01 KRIFGER, NFLKIN NEUTRON-SCATTERING-IN-FLUIDS/ C₂H₂/ H₂O ++SCATTERING THEORY ++MOLECULE
65-YO-01 YOUNG, KOPPFL RF/ C/ H₂O/ D₂O/ C₂H₂/ H₂/ D₂ ++THEORY/ SCATTERING FUNCTION/ CROSS SECTION EVALUATION
67-RE-03 REYSTER, BORGONOV+ C₂H₂/ C₆H₆/ ZR-H ++EXPERIMENT
68-RE-04 REYSTER, BORGONOV+ C₂H₂/ ZR-H/ C₆H₆ ++EXPERIMENT/ MOLECULAR DYNAMICS
68-HF-02 HERDADE METHYLENE ++EXPERIMENT/ SIGMA(E) ++METHYL GROUPS IN ORGANIC COMPOUNDS
- 5+ 44 MONOCHLOROACETIC ACID C₂CL₀4H₃O₂
- 5+ 45 NAPHTHALENE C₁₀H₈
- 70-PA-02 PAWLEY, CYVIN NAPHTHALENE ++THEORY/ DISPERSION RELATION/ MOLECULAR DYNAMICS/ SOLID
- 5+ 46 NYLON

65-SA-01 SAFFORD, LOSACCO NYLON 4, EXPERIMENT/ TOF SPECTRA/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS

5. 47 OXALIC ACID

C2.H2.O4

5. 48 PARAFFIN

49-MC-01 MCCALL, DOUGLASS+ PARAFFIN ., DIFFUSION PARAMETER/ EXPERIMENT/ LIQUID
 61-BR-03 BRUGGER, ZR-H/ H2.O/ BENZENE/ PARAFFIN/ ALCOHOL ., SIGMA (E-E-PRIME, THETA)/ EXPERIMENT/ LIQUIDS/ TOF
 64-DA-02 DANNER, SAFFORD+ POLYETHYLENF/ PARAFFIN ., FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID/ MOLECULAR DYNAMICS
 65-BO-02 BOUTIN, PRASK+ POLYETHYLENF/ PARAFFIN ., FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
 68-BA-03 BANK, KRIMM POLYETHYLENF/ PARAFFIN ., FREQUENCY DISTRIBUTION/ SOLID/ EXPERIMENT ., INFRARED ABSORPTION SPEC

5. 49 PENTAFLUOROPROPIC ACID

C3.F5.H.O2

5. 50 PENTANE

C5.H12

64-LA-01 LARSSON, DAHLBORG H2.O/ D2.O/ PENTANE/ GLYCINE ., EXPERIMENT/ LIQUID/ FREQUENCY DISTRIBUTION
 66-LA-01 LARON, BERGSTEDT ALCOHOL/ PENTANE ., THEORY/ LIQUID/ MOLECULAR DYNAMICS/ NEUTRON SPECTRUM/ DIFFERENTIAL CROSS SECTION .+1
 66-LA-02 LARSSON, AMARAL+ ALCOHOL/ PENTANE ., EXPERIMENT/ LIQUID/ MOLECULAR DYNAMICS/ DIFFERENTIAL CROSS SECTION .+1
 67-SK-01 SKOFELD, KARLFN+ PENTANE/ H2.O ., MOLECULAR DYNAMICS/ SOLID/ EXPERIMENT/ FREQUENCY SPECTRUM
 68-DA-01 DAHLBORG, FRIBERG+ PENTANE/ PENTANOL ., EXPERIMENT ., QUASI-ELASTIC/ TEMPERATURE EFFECT
 70-DF-01 DE-GRAAF, SCIESINSKI PENTANE ., EXPERIMENT/ QUASI-ELASTIC PEAK ., ROTATIONAL-DIFFUSION/ REORIENTATIONAL JUMP
 70-FG-01 FGFESTAFF, HARRIS PENTANE/ HEPTANE/ DODECANE ., EXPERIMENT/ QUASI-ELASTIC/ DIFFUSION CONSTANT

5. 51 PENTANOL

C5.H12.O

67-RA-03 RAPPANU, ILFSU PENTANOL ., EXPERIMENT/ MOLECULAR DYNAMICS ., ROOM TEMP/ 3-AXIS SPECTROMETER
 68-DA-01 DAHLBORG, FRIBERG+ PENTANE/ PENTANOL ., EXPERIMENT ., QUASI-ELASTIC/ TEMPERATURE EFFECT

5. 52 PHENYL

64-SP-01 SPRINGER, HOFMYER+ H2.O/ D2.O/ PHENYL/ ZR-H ., EXPERIMENT/ LIQUID/ DIFFUSION PARAMETER ., AVE-MU

5. 53 P-AZOXYANISOLE

70-BI-01 BLINC, DIMIC P-AZOXYANISOLE ., EXPERIMENT/ TOF ., DIFFUSION CONSTANT/ LIQUID CRYSTAL

5. 54 POLYACETALDEHYDE

68-LO-02 LONGSTER, WHITE POLYACETALDEHYDE/ POLYTRIFLUOROACETALDEHYDE ., EXPERIMENT/ TOF/ NEUTRON SPECTRUM ., ROOM TEM

5. 55 POLYACRYLONITRILE

67-TR-01 TREVINO, BOUTIN POLYETHYLENF/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENF ., REVIEW/ TOF SPECTRA

5. 56 POLYDIMETHYLSILOXANE

69-HF-01 HENRY, SAFFORD POLYDIMETHYLSILOXANE ., EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS ., 25DC/ -123DC

5. 57 POLYETHYLENF

58-MC-01 MCFRNOL, NELKIN+ H2.O/ POLYETHYLENF/ ZR-H/ MG-H/ GRAPHITE ., EXPERIMENT/ THEORY/ LIQUID/ SOLID
 62-GO-02 GOLDMAN, FEDERIGHI POLYETHYLENF ., SCATTERING THEORY/ NEUTRON SPECTRUM/ FREQUENCY DISTRIBUTION
 62-L1-01 LIN, KOENIG, POIYETHYLENF ., THEORY/ SOLID/ MOLECULAR DYNAMICS
 62-TA-01 TASUMI, SHIMANOUCHI+ POLYETHYLENF ., THEORY/ SOLID/ MOLECULAR DYNAMICS
 62-ZF-01 ZEMLYANOV, CHERNOPLEKOV POLYETHYLENE/ BENZENE/ BIPHENYL ., EXPERIMENT/ MOLECULAR DYNAMICS
 63-GO-01 GOLDMAN, FREDERIGHI POLYETHYLENF ., LIQUID/ THEORY/ SIGMA (E-E-PRIME, THETA)/ NEUTRON SPECTRUM
 63-GO-02 GOLDMAN, FEDERIGHI H2.O/ POLYETHYLENE ., CROSS SECTION EVALUATION
 63-L1-01 LINDENMFIER, MATSUMOTO+ H2.O/ POLYETHYLENF/ COMPUTER-CODES ., SCATTERING THEORY/ LIQUID/ SIGMA(E-E-PRIME, THETA)
 64-DA-02 DANNER, SAFFORD+ POLYETHYLENF/ PARAFFIN ., FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID/ MOLECULAR DYNAMICS
 64-DA-03 DANNER, BOUTIN+ POLYETHYLENF ., EXPERIMENT/ FREQUENCY DISTRIBUTION ., TOF/ 125, 178 AND 293DK
 65-AR-01 ARMSTRONG, KOPPEL D2.O/ H2.O/ POLYETHYLENF/ BE ., THEORY/ EXPERIMENT/ LIQUID/ SOLID/ CROSS SECTION EVALUATION
 65-BF-01 REYSTER, KOPPEL POLYETHYLENF ., FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
 65-Ro-02 BOUTIN, PRASK+ POLYETHYLENF/ PARAFFIN ., FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
 65-K1-01 KITAGAWA, MIYAZAWA POLYETHYLENF ., THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS/ MOLECULAR DYNAMICS ., S
 65-MY-01 MYERS, DONOVAN+ POLYETHYLENF ., SIGMA(E-E-PRIME, THETA)/ FREQUENCY SPECTRUM/ EXPERIMENT/ SOLID
 65-SII-01 SUMMERFIELD, POIYETHYLENF ., THEORY/ SCATTERING CROSS SECTION FOR POLYETHYLENF
 65-TA-01 TASUMI, SHIMANOUCHI POLYETHYLENE ., THEORY/ MOLECULAR DYNAMICS/ DISPERSION RELATION
 65-WH-01 WHITEMORE, POLYETHYLENF/ GRAPHITE/ METHANE/ ZR-H/ Y-H/ LA-H ., EXPERIMENT/ FREQUENCY DISTRIBUTION/ SCATTERING
 66-K1-01 KIROUAC, MOORE+ H2.O/ POLYETHYLENE ., EXPERIMENT/ DOUBLE DIFFERENTIAL CROSS SECTION
 66-K1-03 KIROUAC, MOORE+ POLYETHYLENE ., EXPERIMENT/ SCATTERING FUNCTION ., 290C
 66-KO-01 KOPPEL POLYETHYLENF/ ZR-H/ H2.O ., SCATTERING FUNCTION/ SCATTERING CROSS SECTION/ NEUTRON SPECTRUM
 66-KO-04 KOPPEL H2.O/ POLYETHYLENF/ ZR-H/ H ., CROSS SECTION EVALUATION/ SCATTERING FUNCTION/ THEORY/ LIQUID/ SO
 66-MY-01 MYERS, SUMMRFIELD+ POLYETHYLENE ., MOLECULAR DYNAMICS/ EXPERIMENT/ SIGMA (F)/ FREQUENCY SPECTRUM
 66-SA-01 SAFFORD, HAUMANN+ POLYETHYLENF ., FREQUENCY SPECTRUM/ NEUTRON SPECTRUM/ EXPERIMENT/ LIQUID ., NEUTRON SCATTERING
 66-TR-01 TREVINO, POLYETHYLENE ., EXPERIMENT/ NEUTRON SPECTROSCOPY ., TOF/ ORIENTED SAMPLE
 66-WH-01 WHITEMORE, POLYETHYLENF ., EXPERIMENT
 67-BI-01 RISCHOFF, BRYANT+ POLYETHYLENF/ H2.O/ ZR-H/ NB-H/ U-O2 ., EXPERIMENT
 67-K1-02 KITAGAWA, MIYAZAWA POLYETHYLENF ., THEORY/ FREQUENCY DISTRIBUTION/ SIGMA (E-E-PRIME, THETA)
 67-K1-D3 KITAGAWA, MIYAZAWA POLYETHYLENF ., THEORY/ LATTICE DYNAMICS/ FREQUENCY DISTRIBUTION ., DIFFERENTIAL CROSS SECTION
 67-MO-01 MOORE, KIRNIAC+ POLYETHYLENF ., EXPERIMENT/ MOLECULAR DYNAMICS/ LATTICE DYNAMICS ., 300DK
 67-SC-01 SCHAUFLIE, SHIMANOUCHI POLYETHYLENF ., LATTICE DYNAMICS/ MOLECULAR DYNAMICS/ THEORY ., OPTICAL EXPERIMENT
 67-TA-01 TASUMI, KIRIMM POLYETHYLENF ., MOLECULAR DYNAMICS/ THEORY/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
 67-TR-01 TREVINO, BOUTIN POLYETHYLENF/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENF ., REVIEW/ TOF SPECTRA
 67-TU-01 TUCKER, REFFE POLYETHYLENF ., EXPERIMENT
 68-RA-03 RANKI, KRIMM POLYETHYLENF/ PARAFFIN ., FREQUENCY DISTRIBUTION/ SOLID/ EXPERIMENT ., INFRARED ABSORPTION SPECTRUM
 68-FF-01 FELDKAMP, VENKATARAMAN+ POLYETHYLENE ., EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION RELATION/ CONST.=0
 68-K1-02 KITAGAWA, MIYAZAWA POLYETHYLENF ., THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRIBUTION
 68-K1-03 KITAGAWA, MIYAZAWA POLYETHYLENF ., THEORY/ FREQUENCY DISTRIBUTION ., ONE, TWO, THREE-PHONON SCATTERING/ 100D
 68-LY-01 LYNCH-JR, SUMMERFIELD+ POLYETHYLENE ., SOLID/ EXPERIMENT/ THEORY/ FREQUENCY DISTRIBUTION/ LATTICE DYNAMICS
 68-MY-01 MYERS, RANDOLPH POLYETHYLENF ., EXPERIMENT/ LATTICE DYNAMICS ., DIFFERENTIAL CROSS SECTION/ 300DK/ 77DK/ 412

5. 58 POLYETHYLENEOXIDE
 67-TR-01 TREVINO+ BOUTIN POLYETHYLENE/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENE ,+REVIEW/ TOF SPECTRA
5. 59 POLYGLUTAMIC ACID
 66-RO-03 BOUTIN+ WHITEMORE POLYGLUTAMIC ACID ,+EXPERIMENT/ FREQUENCY SPECTRUM/ MOLECULAR DYNAMICS
 68-WH-03 WHITEMORE POLYPEPTIDE/ POLYGLUTAMIC ACID ,+EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
5. 60 POLYGLYCINE
 63-FU-01 FUKUSHIMA+ IDEGUCHI+ POLYGLYCINE ,+THEORY/ NORMAL VIBRATION
 68-GU-01 GUPTA+ TREVINS+ POLYGLYCINE ,+FREQUENCY DISTRIBUTION/ THEORY/ LATTICE DYNAMICS
5. 61 POLYOXYMETHYLENE
 66-KI-04 KITAGAWA+ MIYAZAWA POLYOXYMETHYLENE ,+THEORY/ FREQUENCY DISTRIBUTION/ SOLID ,+SPECIFIC HEAT
 66-TR-02 TREVINO+ BOUTIN POLYOXYMETHYLENE ,+EXPERIMENT/ FREQUENCY SPECTRA/ LATTICE DYNAMICS
 67-TR-01 TREVINO+ BOUTIN POLYETHYLENE/ POLYETHYLENEOXIDE/ POLYACRYLONITRILE/ POLYOXYMETHYLENE ,+REVIEW/ TOF SPECTRA
5. 62 POLYPEPTIDE
 68-WH-03 WHITEMORE POLYPEPTIDE/ POLYGLUTAMIC ACID ,+EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
5. 63 POLYPROPYLENE
 63-MI-03 MIYAZAWA+ FUKUSHIMA+ POLYPROPYLENE ,+EXPERIMENT/ FAR-INFRARED SPECTROMETRY
 63-MI-04 MIYAZAWA+ IDEGUCHI+ POLYPROPYLENE ,+THEORY/ INFRARED SPECTRA/ INFINITE HELICAL CHAIN POLYMER/ NORMAL MODE
 64-SA-01 SAFFORD+ DANNER+ POLYPROPYLENE ,+EXPERIMENT/ TOF SPECTRA/ FREQUENCY SPECTRA/ LATTICE DYNAMICS
 68-ZF-02 ZERRI+ PISFRI POLYPROPYLENE ,+FREQUENCY DISTRIBUTION/ DIFFERENTIAL CROSS SECTION/ CRYSTAL/ THEORY ,+F,G,MET
5. 64 POLYTRIFLUOROACETALDEHYDE
 68-LO-02 LONGSTER+ WHITE POLYACETALDEHYDE/ POLYTRIFLUOROACETALDEHYDE ,+EXPERIMENT/ TOF/ NEUTRON SPECTRUM ,+ROOM TEM
5. 65 POLYVINYL CHLORIDE
 68-LY-02 LYNCH-JR+ SUMMERSFIELD POLYVINYL CHLORIDE ,+THEORY/ LATTICE DYNAMICS/ DISPERSION RELATION/ FREQUENCY DISTRI
5. 66 POTASSIUM TRICHLOROACETATE
 70-CO-02 COLLINS+ HAYWOOD+ K+C2+Cl 3+O2
 70-CO-02 COLLINS+ HAYWOOD+ K+H+F2/ CS+H+Cl 2/ NA+H+C+O3/ K+C2+Cl 3+O2/ K+C2+F3+O2 ,+EXPERIMENT/ MOLECULAR DYNAMICS/ F
5. 67 POTASSIUM TRIFLUOROACETATE
 70-CO-02 COLLINS+ HAYWOOD+ K+H+F2/ CS+H+Cl 2/ NA+H+C+O3/ K+C2+Cl 3+O2/ K+C2+F3+O2 ,+EXPERIMENT/ MOLECULAR DYNAMICS/ F
5. 68 PROPANE
 C3+H8
 62-BR-02 BRUGGER METHANE/ H2+O/ D2+O/ PROPANE ,+THEORY/ EXPERIMENT/ SCATTERING FUNCTION
 62-MC-01 McMURRY+ GANNON+ METHANE/ PROPANE ,+THEORY/ GAS/ DIFFERENTIAL CROSS SECTION
 62-ST-02 STRONG+ MARSHALL+ PROPANE
 70-GR-01 GRANT+ PUGMIRE+ PROPANE ,+EXPERIMENT/ MOLECULAR DYNAMICS/ TOF
5. 69 PROPIONIC ACID
 C3+H6+O2
5. 70 PYRAZINE
 C4+H4+N2
 68-GF-01 GERBAUX+ HADNI PYRAZINE ,+FREQUENCY DISTRIBUTION/ EXPERIMENT/ SOLID
5. 71 PYRIDINE
 PYRIDINE
 69-FI-01 FISCHER BENZENE/ CYCLOHEXANE/ CYCLOHEXANOL/ PYRIDINE/ H2+O/ HEXANE/ METHANOL/ ETHANOL/ ACETONE/ ACETIC
5. 72 RESIN
 66-GR-01 GRAFFSTROM+ RZFSSOT+ RESIN ,+EXPERIMENT ,+NUTRON DIFFUSION PARAMETER
5. 73 RUBBER
 68-TU-02 TUNKELO+ BAJOREK+ RUBBER ,+EXPERIMENT/ TOF/ FREQUENCY DISTRIBUTION
5. 74 SUCCINIC ACID
 C4+H6+O4
5. 75 TEFLON

69-LA-02 LAGARDÉ, PRASK+ TEFION ++EXPERIMENT/ LATTICE DYNAMICS/ DISPERSION CURVE

50-76 TERPHENYL	C18.H14
62-BR-03 BRUGGER	TERPHENYL ++SCATTERING LAW/ EXPERIMENT/ SOLID/ LIQUID ++23DC/ 207DC
65-HO-01 HOFMEYER	BENZENE/ BIPHENYL/ TERPHENYL ++EXPERIMENT ++21DC-150DC 10X23H DATA END IN GTMIN RTN+)
66-SC-02 SCHMIDT, SAAD	BENZENE/ BIPHENYL/ TERPHENYL/ CYCLOPHENYL ++EXPERIMENT
50-77 TOLUENE	C7.H8
68-HO-02 HOLMRYD, NELIN	BENZENE/ TOLUENE ++EXPERIMENT/ TOF ++DIFFUSIVE MOTIONS/ QUASI-ELASTIC
50-78 TRICHLOROACETIC ACID	C2.CL3.H.O2
50-79 TRICHLOROMETHANE	C.H.CL3
68-DO-01 O'RFLILY	C.CL4/ C.H.CI3/ C6.H5.CL/ H.F/ H.CL/ N.H3/ H2.O ++CORRELATION FUNCTION/ MOLECULAR ROTATIONS/ LIQU
50-80 TRIFLUOROACETIC ACID	C2.F3.H.O2
50-81 XYLENE	C6.H4.(C.H3)2

6 ADSORPTIONS AND SOLUTIONS

60-1 ALCOHOL-WATER	
70-FR-02 FRANKS, RAVNHILL+	ALCOHOL-WATER ++EXPERIMENT/ NEUTRON SPECTROSCOPY ++DIFFUSION OF WATER IN AQUEOUS SOLUTI
60-2 AMMONIA-ZEOLITE	
66-DO-04 DOWNES, WHITE+	METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ++EXP
60-3 AMMONIUM FLUORIDE-WATER	N.H4.F-H2.O
65-ST-03 STILLER	H.F-H2.O/ N.H4.F-H2.O ++EXPERIMENT/ SOLUTION/ BE-FILTER DETECTOR SPECTRUM
60-4 HYDROGEN FLUORIDE-WATER	H.F-H2.O
65-ST-03 STILLER	H.F-H2.O/ N.H4.F-H2.O ++EXPERIMENT/ SOLUTION/ BE-FILTER DETECTOR SPECTRUM
60-5 METHANE-QUINOL	C.H4-C6.H4.(O.H)2
66-DO-04 DOWNES, WHITE+	METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ++EXP
60-6 METHANOL-QUINOL	C.H4.O-C6.H4.(O.H)2
66-DO-04 DOWNES, WHITE+	METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ++EXP
60-7 METHYL CYANIDE-QUINOL	C.H3.C.N-C6.H4.(O.H)
66-DO-04 DOWNES, WHITE+	METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ++EXP
60-8 WATER-ALUMINA	H2.O-AL2.O3
64-RO-02 BOUTIN, PRASK	H2.O/ WATER-SILICA/ WATER-ALUMINA/ AL.CL3 ++EXPERIMENT/ MOLECULAR DYNAMICS ++H2.O VAPOR ADSO
60-9 WATER-BERYL	H2.O-BF3.AL2.Si6.O18
65-RO-05 BOUTIN, PRASK+	WATER-BERYL ++EXPERIMENT/ TOF SPECTRA/ ABSORBED WATER
60-10 WATER-QUINOL	H2.O-C6.H4.(O.H)2
66-DO-04 DOWNES, WHITE+	METHANE-QUINOL/ METHYL CYANIDE-QUINOL/ METHANOL-QUINOL/ WATER-QUINOL/ AMMONIA-ZEOLITE ++EXP
60-11 WATER-SILICA	H2.O-Si.O2
64-RO-02 BOUTIN, PRASK	H2.O/ WATER-SILICA/ WATER-ALUMINA/ AL.CL3 ++EXPERIMENT/ MOLECULAR DYNAMICS ++H2.O VAPOR ADSO

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- 40-DA-01 DARLING, R.T./ DENNISON, D.M.
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- 41-SA-01 SACHS, R.G./ TELLER, E.
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- 44-WF-01 WINSTOCK, R.
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- 47-HA-01 HAMMERMEYER, M./ SCHWINGER, J.
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- 49-MF-01 MELKONIAN, E.
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H₂O AND SEVEN HYDROCARBONS
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- 50-FR-01 FROEMAN, P.O.
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N.H₄.Cl / N.H₄.I / N.H₄.F / N.H₄.Br / BENZENE / TOLUENE / MES
ITYLENE / XYLENE .+EXPERIMENT/ TOTAL CROSS SECTION VS. N
EUTRON WAVELENGTH
- 62-RU-02 RUSH, J.J./ SAFFORD, G.J./ TAYLOR, T.I./ HAVENS-JR
W.W.
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H.
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- SN / H₂O / Ar / He .+EXPERIMENT/ LIQUID
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-Zr ALLOY
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Ti-Zr .+FREQUENCY DISTRIBUTION/ EXPERIMENT .+ALLOY
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Na .+THEORY/ SOLID/ DISPERSION RELATION
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STALS
INELASTIC SCATTERING OF NEUTRONS IN SOLIDS AND LIQUIDS

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BR ++SCATTERING LAW/ EXPERIMENT/ LIQUID
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- 63-GR-01 GRIFFING, G.W.
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V ++SCATTERING LAW/ FREQUENCY DISTRIBUTION
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- C.H₄/ N.H₄.I/ N.H₄.CL/ N.H₄.BR/ N.H₄.S.(+)F ++SIGMA(E)/ SIGMA(F-E'-PRIME(THETA))// EXPERIMENT/ THEORY/ GAS/ LIQUID
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(4π/θ) (dσ/dθ)
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