

**The list of external reports
published by Reactor
Centrum Nederland with
subject and author index**
Period 1960 - 1976

B. van der Schaaf

Petten, 10 August 2005

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author : B. van der Schaaf

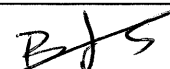


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approved : B. van der Schaaf



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1 Introduction

The Reactor Centrum Nederland, RCN, published 249 external reports in the period from 1960 to 1976, when the series terminated. In the latter year RCN changed course from a mainly nuclear oriented research and development organization into the Energieonderzoek Centrum Nederland, ECN, covering energy in general.

This series of 249 reports, of which 3 cannot be retrieved, is only a fraction of the publications RCN generated. The annual reports over that 16 years period include lists of many more publications in the open domain. In addition the organization produced a wealth of reports for customers, partners, beneficiaries and internal use. The latter category of reports had mostly a restricted or confidential character, and consequently has only been circulated internally.

The external RCN report series served several purposes. The analyses and experimental methods often required more detailed descriptions than usually possible in papers in journals and for symposia. Software frequently needed more detailed description than space allowed in the open publication domain. Several databases, compiled on the bases of experimental and analytical efforts, had to be opened for the public domain. Studies covering large projects such as the design and building of ship propulsion and development of fusion power plant concepts are also part of the series goals. These reports provide the space to present the meaningful detail of such large-scale undertakings.

The progress reporting of international projects such as the fast breeder development community and international materials development projects used the external RCN reports to reach the partners in the co-operations.

The series served these purposes well. The reports were quoted frequently in restricted and in open literature as well to underpin the conclusions drawn in the limited paper space of the other media for the communication of science and technology developments.

At present there is a renewed interest in the research and development results produced in the 60ties and 70ties. The Generation-4, GEN-4, 21st century efforts to develop a new generation of nuclear fission reactors needs a sound basis for focusing and the selections to be made. In the period of concern RCN was highly active in the research and development of high temperature reactors, HTR, and liquid metal fast breeder reactors, LMFBR. In the GEN-4 road map these reactor types are prominently present. RCN has produced analyses and experimental results in the range from basic materials properties to in-pile fuel pin behavior under accident condition.

In the definition phase of the 7th framework program of the EU the RCN experience can become a most useful tool for creating attractive proposals for the development path of the new generation fission power reactors.

This list of external reports and the subject and author index have been produced to provide those active in the definition phase of the 7th framework program with a, somewhat biased, overview of the work completed in RCN. It is based on the documents presently stockpiled in Petten. The list of the external reports (225 in total) produced by ECN, in the period 1976 to 1989, has appeared in parallel to this report (document number 68478). Together they will complete an overview of a period of 30 years: the first generation of energy research and development personnel employed in

the dunes. In the 50-year anniversary of the energy research in The Netherlands this is a small salute to those who started the celebrating organizations. It is good to observe that the pioneer work is still valuable after half a century of energy research and development in the dunes of Petten.

2 All RCN external report titles with authors and year of issue

RCN-001

1960 RCN The Hague

J.M.P.J. Verstegen

The mechanism of sulfuric acid and uranium extraction by tertiary amines

RCN-002

1960 RCN The Hague

B. Verkerk, G.H. Brouwer

A stabilized Uranium oxide for sintering purposes

RCN-003

1961 RCN The Hague

J. Bergsma, J.A. Goedkoop

Inelastic neutron scattering experiments on a few metal hydrides

RCN-004

1961 RCN The Hague

E.H.P. Cordfunke

Alpha-UO₃; its preparation and thermal stability

RCN-005

1961 RCN The Hague

J. Bergsma, J.A. Goedkoop, J.H.N. van Vucht

Neutron diffraction investigation of solid solutions Al₁Th₂DN

RCN-006

1961 RCN The Hague

J.M.P.J. Verstegen, J.A.A. Ketelaar

Distribution of sulphuric acid between water and benzene solutions of tri-N-octyl and tri-N-hexyl amine

RCN-007

1962 RCN The Hague

J. Bergsma, B.O. Loopstra

The crystal structure of calcium hydride

RCN-008

1962 RCN The Hague

J.A. Goedkoop

Neutron diffraction

RCN-009

1962 RCN The Hague

J.M.P.J. Verstegen, J.A.A. Ketelaar

The distribution of sulfuric acid between water and kerosene solutions of tri-N-octylamine and tri-N-hexylamine

RCN-010

1962 RCN The Hague

J. Kooi, U. Hollstein

An improved method for the determination of trace quantities of plutonium in aqueous media

RCN-011

1962 RCN The Hague

J.A. Goedkoop

Review of the neutron-diffraction investigations performed at the Kjeller research establishment

RCN-012

1962 RCN The Hague

E.H.P. Cordfunke

On the uranates of ammonium - I

The ternary system $\text{NH}_3\text{-UO}_3\text{-H}_2\text{O}$

RCN-013

1962 RCN The Hague

E.H.P. Cordfunke

Volatile oxides of some important materials used in nuclear technology

RCN-014

1962 RCN The Hague

J.J.M. Snepvangers, B. Verkerk, J. Beijer

Corrosion study of HFR alclad heat exchanger tubing in brackish secondary coolant

RCN-015

1962 RCN The Hague

J.A. Goedkoop, J. Pelsler

Use of the 10 kW Argonaut-type research reactor at Petten, The Netherlands

RCN-016

1963 RCN The Hague

B.H. Boonstra, F.W. Hoff, H.P. Struch

STRZ a 7090 FORTRAN program for the steady state temperature distribution in R-Z geometry with temperature and direction dependent heat conduction coefficients and radiation in narrow gaps

RCN-017

1963 RCN The Hague

E.H.P. Cordfunke, P. Aling

Thermal decomposition of hydrated Uranium peroxides

RCN-018

1963 RCN The Hague

K. Abrahams

Proposal for an improved method to determine the spin of low energy neutron resonances

- RCN-019
1963 RCN The Hague
E.H.P. Cordfunke, A.A. van Giessen
Pseudomorphic decomposition of Uranium peroxide into UO₃
- RCN-020
1963 RCN The Hague
P.C. Debets
X-ray diffraction data on hydrated uranium peroxide
- RCN-21
1963 RCN The Hague
W.L. Zijp
On the use of titanium as a threshold detector for fast-neutron flux measurements
- RCN-022
1963 RCN The Hague
P.C. Debets, B.O. Loopstra
X-ray investigation of the compounds in the system NH₃-UO₃-H₂O
- RCN-023
1963 RCN The Hague
P. B. Braun, J.A. Goedkoop
An X-ray and neutron diffraction investigation of the magnetic phase Al_{0.89}Mn_{0.11}
- RCN-024
1963 RCN The Hague
M. Bustraan, J. Pelsler
Selection of a site for a nuclear research centre in The Netherlands
- RCN-025
1963 RCN The Hague
M. Schlechter
The preparation of UO₂ by electrolysis of UO₂Cl₂ in molten NaCl-KCl-MgCl₂ eutectic
- RCN-026
1964 RCN The Hague
H. Skreppen, T. Bohler, A. Hanevik, E. Lijbrink
The Norwegian-Dutch steel irradiation programme
- RCN-027
1964 RCN The Hague
B.O. Loopstra
Neutron diffraction investigation of U₃O₈
- RCN-028
1964 RCN The Hague
P.C. Debets
Interpretation of the X-ray powder pattern of beta-UO₃

RCN-029
1964 RCN The Hague
E.H.P Cordfunke, P.C. Debets
Preparation and properties of a new monohydrate of uranium trioxide E-UO₃.H₂O

RCN-030
1964 RCN The Hague
B. van Laar
The magnetic structure of Copt ?? copper ??

RCN-031
1965 RCN The Hague
E.H.P Cordfunke, P. Aling
System UO₃ + U₃O₈: dissociation pressure of gamma-UO₃

RCN-032
1965 RCN The Hague
E.H.P Cordfunke
Heats of formation of some hexavalent uranium compounds

RCN-033
1965 RCN The Hague
J.A. Goedkoop
Elastic scattering of neutrons in a crystal

RCN-034
1965 RCN The Hague
J. Bergsma, C. van Dijk
Focusing of a triple -axis neutron spectrometer with the aid of a graphical method

RCN-035
1965 RCN The Hague
H.J. Bakkenes, J.B. Dragt, H.P. Struch
General ALGOL procedures for the solution of least squares problems

RCN-036
1965 RCN The Hague
W.L. Zijp
Compilation of neutron flux density data in the HFR, Petten

RCN-037
1965 RCN The Hague
W.L. Zijp
Review of activation methods for the determination of fast neutron spectra

RCN-038
1965 RCN The Hague
B. van Laar
Multi-spin-axis structure for COO

- RCN-039
1965 RCN The Hague
B. van Laar
A new interpretation of magnetic anisotropy measurement on COO single crystals
- RCN-040
1965 RCN The Hague
W.L. Zijp
Review of activation methods for the determination of intermediate neutron spectra
- RCN-041
1965 RCN The Hague
A. van der Linde
Calculation of the safe life time expectancy of zirconium alloy canning in the fuel-elements of the NERO reactor
- RCN-042
1965 RCN The Hague
J.A. Goedkoop, B.O. Loopstra
Neutron beam utilization at the Petten HFR
- RCN-043
1965 RCN The Hague
K. Maartmann-Moe
The crystal and molecular structure of Phloroglucinol
- RCN-044
1965 RCN The Hague
T. Murata, R.A. Wolschrijn
A preliminary experiment on radial distribution of ^{137}Cs , $^{89-90}\text{Sr}$ and ^{95}Zr in sintered Uranium dioxide pellet
- RCN-045
1965 RCN The Hague
E.H.P. Cordfunke, A.A. van Giessen
Texture and reactivity of Uranium oxides
- RCN-046
1966 RCN The Hague
W. Kraak, G.D. Wals
Electrophoretic separation of some actinide and lanthanide elements
- RCN-047
1966 RCN The Hague
W. Kraak, W.A. van Heijden
Anion exchange separation between Americium and Curium and between several lanthanide elements

RCN-048

1966 RCN The Hague

J.E. Ordelman, H.A. Smit, A. Tolk

A general method for quantitative spectrochemical analysis with the DC arc performed with solid sample in briquetted form

RCN-049

1966 RCN The Hague

B. van Laar, J. Schweizer, R. Lemaire

Neutron-diffraction investigation of COO single crystals

RCN-050

1966 RCN The Hague

E.H.P. Cordfunke

Thermodynamic properties of hexavalent Uranium compounds

RCN-051

1966 RCN The Hague

B.O. Loopstra, E.H.P. Cordfunke

On the structure of alpha-UO₃

RCN-052

1966 RCN The Hague

H.M. Rietveld

The crystal structure of some alkaline earth metal urannate of the type M₃UO₆

RCN-53

VOID

RCN-054

1966 RCN The Hague

C. le Pair, B. van Laar, B.O. Loopstra

Determination of the composition of a ³He-⁴He mixture from the transmission of thermal neutrons

RCN-055

1966 RCN The Hague

J.B. Dragt

Accurate reactor noise measurements in a low power critic reactor

RCN-056

1966 RCN The Hague

J.B. Dragt

Reactor noise analysis by means of polarity correlation

RCN-057

1966 RCN The Hague

A. Hanevik, T. Larsen

Low temperature irradiation of steels for reactor pressure vessels

RCN-058
1966 RCN The Hague
B.O. Loopstra, P. Boldrini
Neutron diffraction investigation of WO₃

RCN-059
1966 RCN The Hague
L. Smeets, B. Verkerk
Low-level waste treatment at Reactor Centrum Nederland

RCN-060
VOID

RCN-061
1966 RCN The Hague
P.C. Debets
The structure of beta-UO₃

RCN-062
1967 RCN The Hague
R.J.J. Stammler, A. Tas
Theoretical and experimental determination of thermal-neutron group constants in regular lattices and a programme description of the code SATAN

RCN-063
1967 RCN The Hague
G.C. van Dam, J.A.G. Davids
Radioactive waste disposal and investigations on turbulent diffusion in The Netherlands coastal areas

RCN-064
1967 RCN The Hague
J.B. Dragt
Bias due to finite measuring timer in nuclear reactor noise analysis

RCN-065
1967 RCN The Hague
E. Turkan
Digital reactivity measurements by a rod drive method

RCN-066
1967 RCN The Hague
B.O. Loopstra
Neutron diffractometry using wavelength of 2.6 Å

RCN-067
1967 RCN The Hague
H.M. Rietveld
An ALGOL procedure for the solution of least squares problems with constraints

RCN-068

1967 RCN The Hague

E. Frikkee

Inelastic scattering of neutrons by spin waves in FCC Cobalt

RCN-069

1967 RCN The Hague

K. Abrahams, W. Ratynski, F. Stecher-Rasmussen, E. Warming

On a system of magnetized Cobalt mirrors used to produce an intense beam of polarized thermal neutrons

RCN-070

1967 RCN The Hague

H.M. Rietveld

Line profiles of neutron powder-diffraction peaks for structure refinement

RCN-071

1967 RCN The Hague

E.H.P. Cordfunke, B.O. Loopstra

Preparation and properties of the uranated of Calcium and Strontium

RCN-072

1967 RCN The Hague

E.H.P. Cordfunke, W. Ouweltjes

Heats of formation of Ag_3PO_4 and Ag_3SO_4

RCN-073

1967 RCN The Hague

C. Colominas

Neutron-diffraction investigation of CuCr_2Se_4 and CuCr_2Te_4

RCN-074

1967 RCN The Hague

J. Bergsma, C. van Dijk, D. Tocchetti

Normal vibrations in alpha-iron

RCN-075

1967 RCN The Hague

E. Turkcan, J.B. Dragt

Experimental study of different techniques of analysis reactor noise measured by neutron counter

RCN-076

1967 RCN The Hague

W. Hofman

The Dutch nuclear propulsion ship reactor

RCN-077

1967 RCN The Hague

J.D. Elen

Dislocation loops in neutron irradiated Molybdenum

RCN-078
1967 RCN The Hague
P. Boldrini, B.O. Loopstra
Neutron diffraction investigation of orthorhombic Lea fluoride

RCN-079
1967 RCN The Hague
J.B. Dragt
Threefold correlations and third order moments in real noise

RCN-080
1967 RCN The Hague
J. Bergsma, C. van Dijk
Pyrolytic graphite as a second order neutron filter

RCN-081
1967 RCN The Hague
R.J.J. Stammler, A. Tas
Calculation of thermal group constants in three region lattices

RCN-082
1967 RCN The Hague
B. van Laar
Ferrimagnetic and antiferromagnetic structures of Cr_5S_3

RCN-083
1967 RCN The Hague
J.B. Dragt, E. Turkcan
Some remarks on the practical use of the P-Method in reactor noise analysis

RCN-084
1967 RCN The Hague
J.B. Dragt
On the accuracy of cross and auto reactor noise spectra

RCN-085
1967 RCN The Hague
B. van Laar
The magnetic structure of trigonal Cr_2S_3

RCN-086
1967 RCN The Hague
J. van Ooyen
Quarternary ammonium nitrates as extractants for trivalent actinides

RCN-087
VOID

RCN-088

1967 RCN The Hague

J.J. Kalker, C. Kalker-Kalkman

Time dependent coolant temperature after a step increase in power

RCN-089

1967 RCN The Hague

P.E. Mijnders

Determination of anisotropic momentum distributions in positron annihilation

RCN-090

1967 RCN The Hague

S. Borresen

Analysis of critical experiments with B₄C cluster control elements

RCN-091

1967 RCN The Hague

A. van der Linde

Sulfide, intergranular, stress corrosion cracking of K-monel studs that failed during service in high temperature, high pressure autoclaves and in a pressurized water pump

RCN-092

1968 RCN The Hague

B. van Laar

Determination of magnetic structures a neutron diffraction investigation of CoO, Cr₅S₆ and trigonal Cr₂S₃

RCN-093

1968 RCN The Hague

E.H.P. Cordfunke, A.A. van Giessen

Particle properties and sintering behaviour of Uranium dioxide

RCN-094

1968 RCN The Hague

A. Tas, D. van Ligten, A.W. den Houting

MICROFLUX-2 a program for the calculation of thermal group constants by solving the energy and space dependent integral transport equation for slabs, cylindrical cells and for hexagonal and square lattices

RCN-095

1968 RCN The Hague

A. Tas, A.W. den Houting

SATAN-2 a program for the calculation of thermal group constants means of converting the energy and space dependent integral transport equation into an energy dependent one

RCN-096

1967 RCN The Hague

J.D. Elen

Direct observation of damage in neutron irradiated vanadium

RCN-097

1969 RCN The Hague

EURATOM-RCN

Final report on the NERO development program.

Volume I: Description

Volume II: Symbols and drawings

Volume III: Metallurgy and irradiation experiments

Volume IV: Review of research and development work development components

RCN-098

1968 RCN The Hague

RCN

Statistical methods in experimental reactor kinetics, and related techniques

Proceedings of a Symposium held in Petten, December 12-19 in 1967

RCN-099

1968 RCN The Hague

J.J.M. Snepvangers

Incident following failure of a fuel irradiation capsule in the HFR

May 7, 1968

RCN-100

1968 RCN The Hague

A. van der Linde

Corrosion of zirconium alloy samples in 340 degr C circulating water before and after the performance of a decontamination treatment

RCN-101

1968 RCN The Hague

J.B. Dragt

Reactor noise a study of neutronic fluctuations in low-power nuclear reactors with special emphasis on accurate time-domain analysis

RCN-102

1968 RCN The Hague

J. Smit, J.C. Bruggink

Critical experiments for the GKN Dodewaard nuclear power station performed in the KRITO facility of RCN at Petten

RCN-103

1969 RCN The Hague

H.A. Das, J.G. van Raaphorst, H.J.L.M. Umans

Routine determination of Al, K, Cr, and Sn in geochemistry by neutron activation analysis

RCN-104

1969 RCN The Hague

H.M. Rietveld

An ALGOL program for the refinement of nuclear and magnetic structures by the profile method

- RCN-105
1969 RCN The Hague
K. Abrahams
Experiments with polarized thermal neutrons
- RCN-106
1969 RCN The Hague
H.A. Das, D. Hoede, J. Zonderhuis
The determination of Bromine in wheat, flour and bread by neutron activation analysis
- RCN-107
1969 RCN The Hague
H.P. Struch
STRZ-2 an ALGOL program for the calculation of the steady state temperature distribution in R-Z geometry with temperature dependent heat conduction coefficients and radiation in narrow gaps
- RCN-108
1969 RCN The Hague
P.E. Mijharends
Positron annihilation in metals a contribution to the analysis of angular correlation measurements with application to copper
- RCN-109
1969 RCN The Hague
P.J. van Tilborg, A. van der Linde
Corrosion of Inconel-625, Hastelloy-X280 and Incoloy-800 in 550-750 degr C superheated steam
- RCN-110
1969 RCN The Hague
A. Dalfes, E. Turkcan
Stochastic determination of neutronic couplings in reactors by correlation and probability techniques
- RCN-111
1969 RCN The Hague
E.K. Hoekstra
Fast reactor programme; First quarter 1969 progress report
- RCN-112
1969 RCN The Hague
A. van den Honert
Pressurized dynamics - response to load transients
- RCN-113
1970 RCN The Hague
J. van Ooyen
The properties of trilaurylmethylammonium nitrate as an extractant for trivalent actinides
- RCN-114
1970 RCN The Hague

E.K. Hoekstra
Fast reactor programme; Second quarter 1969 progress report

RCN-115
1970 RCN The Hague
E.B.M. Majoor
Preparation of tungsten coated dysprosia and its incorporation in uranium dioxide

RCN-116
1970 RCN The Hague
H.P. Struch
ANDANTE an ALGOL program for decomposition of gamma-ray spectra and processing of foil counting data

RCN-117
1970 RCN The Hague
E.K. Hoekstra
Fast reactor programme; Third quarter 1969 progress report

RCN-118
1970 RCN The Hague
J. Coehoorn, H.T.Klippel, F.M.de Meulemeester, J. Smit, J.W.N. Tuyn, E.Turkcan, J.J. Veenema, C.A. Verspuy
Measurements and calculations on thermal, argonaut type cores in the STEK-facility at Petten

RCN-119
1970 RCN The Hague
W.L. Zijp, H. van der Werve
Neutron dosimetry in the HFR flux density information for the 45 MW core configuration

RCN-120
1970 RCN The Hague
E.K. Hoekstra
Fast reactor programme; Fourth quarter 1969 progress report

RCN-121
1970 RCN The Hague
J. Bergsma
Lattice dynamics of magnesium stannide and zinc blende
an experimental study by means of inelastic neutron scattering

RCN-122
1970 RCN The Hague
M. Bustraan J. Coehoorn J.B. Dragt R.J. Heijboer J. Montizaan A.P.J. Mos T.D. Oei J.W.N. Tuyn J.J. Veenema
STEK the fast thermal coupled facility of RCN at Petten

RCN-123
1970 RCN The Hague
V. Vonka

CACES - an ALGOL program for solving diffusion type elliptic differential equations in a plane involving arbitrary boundary conditions and shape

RCN-124

1970 RCN The Hague

J.J. Kroon, H.A. Das

Routine determination of arsenic in biological materials

RCN-125

1970 RCN The Hague

A. van der Linde

Post-failure examination of the in-pile section of the pressurized water loop in the HFR at Petten

RCN-126

1970 RCN The Hague

A. Tolck, W.A. Lingerak, Verheul-Klopemaker

Accurate and precise titrimetric analysis of uranium in nuclear fuels

RCN-127

1970 RCN The Hague

A. Tolck, W.A. Lingerak

Determination of oxygen - to - uranium ratio in hyperstoichiometric uranium dioxide

RCN-128

1970 RCN The Hague

A. Tolck, W.A. Lingerak, D. Borger

Determination of oxygen - to - uranium ratio in hyperstoichiometric uranium dioxide

RCN-129

1970 RCN The Hague

C. van Dijk

Investigation of the lattice dynamics of alpha-Fe and Fe₃Al

RCN-130

1970 RCN The Hague

E.K. Hoekstra

Fast reactor programme; First quarter 1970 progress report

RCN-131

1970 RCN The Hague

H.A. Das, D. Hoede, C.A. van Stigt, J. Zonderhuis

Separation of gram-amounts of lanthanides by cation exchange using aqueous solution of alpha-hydroxyisobutyric acid as eluant

RCN-132

1970 RCN The Hague

A. Dalfes, E. Turkcan, J.B. Dragt

Theoretical and experimental study of a fast-thermal coupled reactor by correlation techniques

RCN-133

1970 RCN The Hague

A. van der Linde, H. Kwast

In and out of pile experiments related to the safety of fast reactor fuel pins

RCN-134

1971 RCN The Hague

H.H. Woldringh

An extension of the derivation of the diffusion length for neutrons in a medium with small absorption

RCN-135

1971 RCN The Hague

P.J. de Munk, H.P. Leeftang

An apparatus for neutron radiography

RCN-136

1971 RCN The Hague

H.A. Das, H.H. de Vries

Trace-determination of cadmium by neutron activation application to air-borne particulates, hair and foodstuff

RCN-137

1971 RCN The Hague

E. K. Hoekstra

Fast reactor programme; Second quarter 1970 progress report

RCN-138

1971 RCN The Hague

P.J. de Munk

Neutron radiography a summary of principles and possibilities

RCN-139

1971 RCN The Hague

J.W.H. van Bergh, T.J.J. Bodewes, W.G. Bonsel, A. Dassen, W.A. Feliks, J.A. Heil, W.F. Heshuijsen, R.B. Mark, F.J. Mink, M. Muysken, D. Nolson, A. Rijlaarsdam, A. Wondergem, 120.000 SHP nuclear ship propulsion study RCN/RDM

RCN-140

1971 RCN The Hague

E. Frikkee

Interaction between electrons, magnons and phonons in Nickel

RCN-141

1971 RCN The Hague

A. van Dalen

Solvent extraction and inclusion compound formation with dinonyl naphthalene sulphonic acid

RCN-142

1971 RCN The Hague

R. Kuiken
Fission of oriented nuclei by low energy neutrons

RCN-143
1971 RCN The Hague
E. K. Hoekstra
Fast reactor programme; Third quarter 1970 progress report

RCN-144
1971 RCN The Hague
H. Kwast
Post irradiation examination of fuel pins R62-A01 and -A02 irradiated in a sodium environment up to 19 MWD/kg UO₂

RCN-145
1971 RCN The Hague
N. van der Kleij, J. Molenaar, A.W. van Houting
The pressurized water loop in the high flux reactor at Petten

RCN-146
1971 RCN The Hague
K.A. Verschuur, J. Molenaar, A.W. van Houten
RAGA a Monte Carlo program for calculation of gamma-ray transport in a reactor shield for multi-region slab geometry using exponential transformation

RCN-147
1971 RCN The Hague
K.A. Verschuur, W.H.J. Quaadvliet
Experimental study of the neutron attenuation in concrete shields for fast and thermal reactors with the aid of simulated concrete configurations

RCN-148
1971 RCN The Hague
P.F. Sens
Progress report of the materials department, first quarter 1971

RCN-149
1971 RCN The Hague
E. Spreeuw
FIESTA finite element stress and temperature analysis a description of the theory used for this code with some other finite element applications

RCN-150
1971 RCN The Hague
M. Bustraan
Determination of effective cross sections of fission products for fast breeders in the fast-thermal coupled critical reactor STEK

RCN-151
1971 RCN The Hague
A. van der Linde
Post-irradiation examination and mode of failure of the Dutch fuel assembly IFA-103 irradiated in the Halden boiling water reactor

RCN-152
1971 RCN The Hague
F. Stecher-Rasmussen
Circular polarization of gamma rays from capture of polarized thermal neutrons

RCN-153
1971 RCN The Hague
K.A. Verschuur
DINE a one-dimensional neutron shielding program with physically determined space mesh distances and linear anisotropic scattering

RCN-154
1971 RCN The Hague
E.K. Hoekstra
Fast reactor programme; Fourth quarter 1970 progress report

RCN-155
1971 RCN The Hague
H.A. Das, D. Hoede, J.J. Kroon, J. Zonderhuis
The determination of manganese, copper and iron in human blood by neutron activation analysis

RCN-156
1971 RCN The Hague
E.K. Hoekstra
Fast reactor programme; First quarter 1971 progress report

RCN-157
1970 RCN The Hague
K. Joon, R. den Boef, J. Haaland, D.E. Stijfhoorn, R. de Wit
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