

Feature articles - already published

Volume 1

Physics around SIS/ESR
S-DALINAC
EUROGAM
Heavy-ion physics in Italy
RIBs
RF superconductivity
ESF
Nuclear physics at Gran Sasso
The neutron halo
Physics with cooled ion beams at TSR
Colour transparency
Double beta decay
Radiotherapy projects at PSI
Hot nuclei
Model nuclei in form of metal clusters

W. Henning
A. Richter
J. Sharpey-Schafer
E. Migneco et al.
J. Vervier, D. Warner
B. Aune, P. Leconte
M. Mahnig
E. Bellotti
P.G. Hansen
D. Habs
B. Pire, J. Ralston
E. Fiorini
H. Blattmann
D. Guerreau
S. Björnholm et al.

Volume 2

Neural networks
The nuclear whirligig
Ultra-relativistic heavy-ion collisions
Spin structure
Inertial confinement fusion
Dynamic symmetries
Hadron spectroscopy with antiprotons

C. Peterson
W. Gelletly
J. Schukraft
P. de Witt Huberts
J. Meyer-ter-Vehn
F. Iachello
C. Amsler

Volume 3

Accelerator mass spectrometry
Delta isobars in nuclei
Multifragmentation
Multifragmentation
Evidence for resonance matter at SIS

W. Kutschera
C. Gaarde
G. Auger et al.
D. Gross
U. Mosel, V. Metag

Volume 4

Medea experiments
Nuclear Astrophysics
Chaos in nuclei
Energy production and waste management
Nuclear resonance fluorescence
Polarized pure HD target
ELFE

E. Migneco
C. Rolfs
H. Weidenmüller
H. Nifenecker
U. Kneissl
J.P. Didelez
P. de Witt Huberts

Volume 5

Neutrino mass measurements
Statistical multistep reactions
Multiphonon states in nuclei
FEL on ELFE
The neutron
Images

E. Otten
H. Feshbach
N. Frascaria
E. Klein
D. Dubbers
E. Cohen

Volume 6

Nuclei and clusters
Chronology with PIXE
Radioactive beams
Superheavy elements

S. Frauendorf
P. Mandò
B. Sherrill
S. Hoffmann

Volume 7

Low energy antiprotons
Proton rich nuclei

E. Lodi Rizzini
E. Roeckl

Volume 8

Reflections on Pierre Curie
From nuclear fission to SHE
Nuclear physics and cosmology
Nuclear impact on medicine
CoulEx of RIB
ECT*

V. Telegdi
G. Herrmann
J. Audouze
G. Kraft
F. Azaiez
D. Brink

Volume 9

Pion shadowing
Proton-neutron pairing
Decay beyond Proton-Dripline
Testing the Statistical Model

A. Palmeri
S. Pittel
P. Woods
M. Guutormsen

Volume 10

Supersymmetry in Nuclei
The INT at Age Ten
Doppler Shift based Lifetime ..
Shell Model Applications
Antiproton - A probe ..

F. Iachello
W. Haxton
H.G. Börner, R. Krücken
K. Langanke, A. Poves
J. Jastrzebski

Volume 11

Magic and Doubly Magic Nuclei
GT Giant Resonance
Polarisation Experiments in Storage Ring
Gamma-ray Astronomy
Parity Violation
Pattern out of Randomness

B. Blank
H. Sakai, T. Suzuki
H.-O. Meyer
V. Schönfelder
W. van Oers
R. Bijker, A. Frank

Volume 12

Search for Antimatter in Space
Non-Accelerator Nuclear Physics
Gamma-Ray Tracking
Nuclear Structure Near Drip-Lines
Critical Point Symmetries
Free Muons and Muonium
Exotic Clustering in Nuclei
Density Functional Theory

F. Pauss et al.
J. Deutsch, C. Briancon
K. Vetter
I. Hammamoto, H. Sugawa
F. Iachello
K. Jungmann
B. Buck et al.
D. Brink

Volume 13

Ab Initio Calculations of Light Nuclei
Helium Nanodroplets
New Magnetic Dipole Phenomena
Gravitation at a Micron and Mixing of Quarks
Nuclear Exchange Currents
Radioactive Nuclei and Exploding Stars
Quantised Wobbling in Nuclei
Using a Square Well to Introduce Nuclear Physics

S. Pieper et al.
J. Navarro et al.
N. Pietralla et al.
H. Abele
D.O. Riska
M. Aliotta
G. Hagemann et al.
J.L. Sida et al.

Volume 14

Trapping of radioactive Isotopes
Static Moments of Exotic Nuclear Structures
Physics of ITER
Laser-Based Ionization Techniques...
Discovery of Superheavy Elements
Chemistry of SHE
Spectroscopy of SHE

J. Kluge
G. Neyens
L. Horton
K. Wendt
S. Hofmann et al.
A. Türler et al.
P. Butler et al.

Volume 15

Neutrino Physics
Structural Evolution in Nuclei : Simple Hamiltonian
QCD in Nuclei
Frontiers of Nuclear Structure: Exotic Nuclei
Challenges in Nuclear Astrophysics
A Relativistic Symmetry in Nuclei
Exploding Stars, Neutrinos, Nucleosynthesis
Structure / Reactions halo Nuclei
Nucleosynthesis in Classical Nova Explosions

L. Oberauer et al.
J. Jolie et al.
H. Lenske
B. Sherrill/R. Casten
W. Hillebrandt/K. Langanke
J. Ginocchio
G. McLaughlin
D. Baye, Y. Suzuki
J. Jose, A. Coc

Volume 16

NuSTAR
PANDA
CBM
Atomic and Fundamental Physics
High Energy Density Matter Research
FAIR Experiments in Biophysics and Materials
Electron Screening in Metals
Laboratory Studies of Stardust
Lattice QCD
Hypernuclear Physics at KEK
Superaligned Nuclear Beta-Decay
Double Beta-Decay
Rationale for Nuclear Energy

B. Rubio et al.
K. Brinkmann et al.
C. Höhne et al.
E. Widmann et al.
N. Tahir et al.
C. Trautmann et al.
C. Rolfs
E. Zinner
Z. Fodor, S. Katz
T. Nagae
J. Hardy, I Towner
P. Vogl
J. McKee

Volume 17

Trapped Radioactive Isotopes
Quantum Interferometry
Nuclear Isomers
Kaonic Nuclear Clusters
Shell Evolution and Correlations
Three-Nucleon System
Alpha Particle Condensation
Mass Chain Evaluations etc.
Neutron Stars and Nuclei

H. Wilschut, K. Jungmann
B. Jacobsson, B. Ghetti
P. Walker, J. Carroll
T. Bressani
A. Poves
N. Kalantar et al.
P. Schuck et al.
F.G. Kondev et al.
E. Khan et al.

Volume 18

Giant Resonance Overtones
Shapes of the Proton
Baryon-Baryon Interactions
Geoneutrinos
Underground Laboratories

M. Harakeh et al.
G. Miller
Y. Fujiwara et al.
N. Tolich
N. Spooner

Volume 19

Shape Phase Transitions
RISING
Stellar Reaction Rates
Antiprotonic Helium Atoms
Two-Proton Radioactivity
Hadron Experimental Hall
Strangeness Nuclear Physics at J-PARC
Fundamental Physics at Hadron Experimental Hall
The T2K Experiment
Japan Spallation Neutron Source at J-PARC
Muon Science and MUSE
Fundamental Science for Neutrons
Nuclear Transmutation as a Phase 2 Project

D. Bonatsos, E. McCutchan
F. Camera, J. Gerl
N. Timofeyuk
R. Hayano
B. Blank
K. Tanaka
T. Nagae
N. Saito
D. Ward
M. Arai, F. Maekawa
Y. Miyake
H. Shimizu
H. Oigawa

Volume 20

Knock-out Reactions
N=28: Shell and Shapes
Annihilation, Strangeness and QGP
3-D Structure of the Nucleon
Time-Variation of Fundamental Constants
Weak Decay of Hypernuclei
Charmonium Spectroscopy

A. Gade, J. Tostevin
S. Grevy, L. Gaudefroy
G. Bendiscioli
M. Anselmino
V. Flambaum
E. Botta, S. Bufalino
U. Wiedner

Volume 21

Long Range Structure of the Nucleon
Ab initio No Core Shell Model
The Heaviest Nuclei ...
Microscopic Evolution of Nuclear Equilibrium Shapes
Regular and Chaotic Collective Modes in Nuclei

M. Vanderhaeghen, T. Walcher
B. Barrett et al.
R. Clark
D. Vretenar et al.
P. Cejnar et al.

Volume 22

Reflections along the N=Z line
Nuclear astrophysics
Neutron-rich hypernuclei
Discovery of the nuclides
Shell Evolution

M. Bentley
M. Aliotta
T. Bressani et al.
M. Thoenessen
T. Otsuka, A. Schwenk

Volume 23

Antimatter in HI Collisions
Heaviest Nuclei
Spin Programme at COSY-ANKE
Precision Mass Measurements
Double beta decay
Shell evolution

Y. Ma
Yu. Oganessian
C. Wilkin et al.
S. Kreim et al.
A. Barabash, F. Piquemal
A. Gade

Volume 24

Beta-delayed fission
Pairing interaction ..
Beyond the n dripline
Cosmological Constatnt Puzzle
25 Years of NuPECC
Nuclear Lattice Simulations
Light Nuclei near Threshold

A. Andreev et al.
F. Barranco et al.
T. Aumann and H. Simon
S. Bass
AB, GEK, ex-chairs
U. Meißner
C. Hoffman, B. Kay

Volume 25

Pear-Shaped Nuclei
Shear Viscosity of QGP
Neutron-antineutron oscillations at ESS
On-Line Laser Spectroscopy

P. Butler, L. Willmann
C. Shen, U. Heinz
C. Theroine
I. Moore et al.

Volume 26

COMPASS
ee'p reactions
Origin of stable p-rich isotopes

A. Bressan
O. Benhar
R. Refarth, M. Wiescher

Volume 27

Baryon-baryon interaction from lattice QCD
Chemical Properties of SHE
Strangeness nuclear physics at J-PARC
Nuclear Data
Deuteron EDM @ COSY
 $0\nu\beta\beta$ Decay ^{136}Xe
Nuclear Symmetry Energy
Ion and neutron beams for history

T. Doi, T. Inoue
Ch. Düllmann
K. Tanaka, H. Tamura
E. MacCutchan
P. Lenisa
T. Brunner
B.-A. Li
A. Mackova

Volume 28

Fission and Quasifission in SHE

D. Hinde