

C O N T E N T S

<p>N. CINDRO, G. VOURVOPOULOS, X. ASLANOGLU, G. ANTRITSOPOULOS, P. ASSIMAKOPOULOS and P. BAKOYORGOS</p> <p>The spin and parity of the 10.9 MeV resonance in $^{16}\text{O}+^{12}\text{C}$</p>	1
<p>D. POČANIĆ and N. CINDRO</p> <p>A semiempirical prediction of the occurrence of resonances in heavy ion reactions</p>	3
<p>D. EVERS, W. ASSMANN, J. EHRENBERG, P. KONRAD and K.E.G. LOBNER</p> <p>Evidence for a non-statistical population of high spin states in ^{24}Mg via the $^{12}\text{C}(^{13}\text{C},n)$ reaction</p>	5
<p>TSAN UNG CHAN, M. AGARD, J.F. BRUANDET, A. DAUCHY, A. GIORNI, F. GLASSER, J.E. KOOPS and C. MORAND</p> <p>High-spin states in ^{60}Cu and a simple shell-model description of the $J^\pi=6^-$ and 9^+ states in the odd-odd Cu isotopes</p>	7
<p>F. GLATZ, P. BETZ and H. ROPKE</p> <p>High-spin states in ^{48}Ti</p>	9
<p>P. BAUMANN, A.M. BERGDOLT, G. BERGDOLT, R.M. FREEMAN, F. HAAS, B. HEUSCH, A. HUCK and G. WALTER</p> <p>Study of high spin states in ^{30}P and ^{32}P</p>	11
<p>H.P. HELLMEISTER, J. KEINONEN, K.P. LIEB, R. RASCHER, R. BALLINI, J. DELAUNAY and H. DUMONT</p> <p>Band structure of ^{78}Kr</p>	13
<p>W. CHUNG, J. VAN HIENEN, B.H. WILDENTHAL and C.L. BENNETT</p> <p>Ground-state alpha-cluster correlation in sd- shell nuclei</p>	15

A. HUCK, G. KLOTZ, A. KNIPPER, C. MIEHÉ, G. WALTER, C. RICHARD-SERRE and the ISOLDE COLLABORATION Beta decay of ^{44}Ar and weak coupling predictions for neutron rich argon and potassium nuclei	17
C. DETRAZ β -delayed particle emission from very neutron- rich light nuclei	19
P. BAUMANN, A.M. BERGDOLT, G. BERGDOLT, A. HUCK and G. WALTER Lifetime measurements of negative parity states in ^{34}Cl	21
P.A. MANDÒ, P. SONA, N. TACCETTI and G. LIBERATI The B(E2) value of the $3/2 \rightarrow 7/2$ 1381 keV transition in ^{49}Ti	23
D.H. KOANG, A. DAUCHY, A. GIORNI, A.J. COLE, J.P. LONGEQUEUE and J. MENET Particle- γ coincidences in $^{16}\text{O}+^{48}\text{Ti}$ reaction at 120 MeV	25
P.M. CORRÊA and J.M.G. CARAÇA A D.S.A. study of ^{28}Si lifetimes in some selected materials	27
T. PARADELLIS and G. VOURVOPOULOS Angular distributions of gamma rays from the (p, γ) reaction on semithick $^{66,68}\text{Zn}$ targets	29
F. CVELBAR, A. LIKAR, R. MARTINČIČ and F. SEVER Recent studies of the radiative nucleon capture in the region of GDR	31
R. JAHN, D.P. STAHEL, G.J. WOZNIAK, R.J. de MEIJER and J. CERNY Survey of the (α , ^2He) reaction on lp- and 2s1d-shell nuclei	33

M.G. BETIGERI, W. CHUNG, A. DJALOEIS, C. MAYER-BÖRICKÉ, W. OELERT and P. TUREK Energy dependence in $^{16}\text{O}(d, ^6\text{Li})^{12}\text{C}$ reaction	35
J.B. SEABORN and M.S. WEISS Particle transfer width in 3D TDHF for $\text{Ca}^{40}+\text{Ca}^{40}$	37
K. HALKIA, J.P. ELLIOTT and E.A. SANDERSON Hartree-Fock calculations in ^{16}O using a Cartesian basis	39
P.-G. REINHARD and K. GOEKE Adiabatic TDHF as a consistent theory for an- harmonic collective motion	41
S. STRINGARI, E. LIPPARINI, G. ORLANDINI, M. TRAINI and R. LEONARDI Dynamic polarizability: TDHF theory and RPA sum rules	43
W. EYRICH, A. HOFMANN, U. SCHEIB, S. SCHNEIDER and F. VOGLER The deformation of ^{26}Mg from particle-gamma angular correlations	45
G.P. FLESSAS An analytical method for the investigation of triaxial shapes in nuclei	47
I. BORBÉLY Spectroscopy by continuation of polarization observables into the nonphysical region	49
G. TUNGATE, J.A.R. GRIFFITH, O. KARBAN and A.K. BASAK Elastic scattering of 12.4 MeV tensor polarized deuterons	51

H. SAKAGUCHI, M. NAKAMURA, K. HATANAKA, A. GOTO, T. NORO, F. OHTANI, S. KOBAYASHI, K. HOSONO and M. KONDO	
Exploration of nuclear matter distribution of the s-d shell nuclei with the elastic and in- elastic scattering of 65 MeV polarized protons	53
 N. MANKOČ-BORŠTNIK	
A study of the electromagnetic moments of the nuclei ^{19}F , ^{19}Ne , ^{21}Ne , ^{21}Na , ^{23}Na and ^{23}Mg with the generator coordinate method	55
 P.W.M. GLAUDEMANS, R.J.G. GOOSSENS, A.G.M. van HEES, B.C. METSCH and R. VENNINK	
Effects of ^{56}Ni core excitations	57
 G.S. ANAGNOSTATOS	
The isomorphous model as applied to lighter nuclei	59
 F. FERNANDEZ and J.C. NALDA	
On the isobaric analogue between lighter nuclei	61
 M.V. MIHAILOVIĆ and M. POLJŠAK	
A description of ^7Li in a model for coupling two-cluster structures	63
 V. STANČIĆ	
One model of three-particle nuclei	65
 R. ČAPLAR, D. FICK, H. GEMMEKE and L. LASSEN	
High-excited $\alpha\alpha^*$ -states in ^8Be	67
 AUTHOR INDEX	69