

Table 16.12 from (1993TI07): ^{16}O – General

Reference	Description
Shell Model	
Review:	
1987KI1C	Microscopic studies of electric dipole resonances in 1p shell nuclei
Other Articles:	
1986DE1E	Gamow-Teller strength from spin-isospin saturated nuclei (A)
1986FU1B	Relativistic shell model calculations
1986HA26	Shell model analysis of Σ -hypernuclear spectra for $A = 12$ & 16
1986KL06	Interplay between giant res. & background - investigated with continuum shell model
1986LE1A	Extended basis shell-model calculations for three-nucleon transfer (A)
1986YE1A	Hartree-Fock calculations with extended Skyrme forces for ^{16}O and ^{40}Ca
1987AV08	Neutron and proton hole states in double magic nuclei
1987MA30	Contrib. of particle-particle, hole-hole & particle-hole ring diagrams to binding energies
1987SU12	Nuclear ground-state properties & nuclear forces in unitary-model-operator approach
1987YA1B	Effective shell-model matrix elements calculated for the sd-shell
1988BL02	Quantized TDHF for giant monopole vibrations in ^{16}O , ^{40}Ca & ^{110}Zr
1988BL1I	Relativistic Hartree-Fock calculations for nuclear matter & closed-shell nuclei
1988BO10	Temperature-dependent shell effects in ^{16}O & ^{40}Ca with realistic effective Hamiltonian
1988BO40	Nuclear charge form factor in the topological soliton model
1988FI01	Effective interactions from sd-shell-model calculations
1988GU13	Correlated basis functions computation of spectra of light nuclei
1988HO10	Shell-model calculation with Hartree-Fock condition
1988MI1J	Shell model transition densities for electron & pion scattering
1988WO04	Expansion of the shell-model space for light nuclei
1989GU06	Hartree-Fock & shell-model charge densities of $^{16,18}\text{O}$, $^{32,34}\text{S}$; & $^{40,48}\text{Ca}$
1990HA35	Weak-interaction rates in ^{16}O ; nonspurious $4\hbar\omega$ shell model calculation
1990WO09	p-shell nuclei in a $(0 + 2)\hbar\omega$ model space, Part 1: Method
1990WO10	1990WO09 continued, Part 2: Results
1991BO02	Meson exchange effects on magnetic dipole moments of p-shell nuclei
1991GM02	Relativistic mean-field fit to microscopic results in nuclear matter
1991GO12	Method of multiple interactions - realistic NN potential (A)
1991KA09	Non-orthogonality problem in continuum RPA studied by orthogonality condition
1991KN04	RPA calculations of nuclear response in the continuum using a finite-range interaction
1991MA33	Super-RPA ground-state correlations
1991MU04	Effects of correlations on calc. of binding energy & radii of nuclei
1991YA08	$\alpha + ^{16}\text{O}$ studied with complex effective interact. & antisymmetrized many-body theory
1991ZH16	Retardation effect in finite nuclei in relativistic mean field theory
1992MI01	Comments on 1990WO09 & 1990WO10; inconsistency problems
1992WA25	Large-basis shell-model treatment of $A=16$ nuclei

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Collective, Deformed and Rotational Models	
Review:	
1987TA1C	Microscopic cluster theory in nuclear physics
Other articles:	
1986GO16	Deformed excited 0^+ states of ^{16}O & ^{40}Ca studied with the Hartree-Fock method
1986LE16	Relativistic Hartree calculations for axially deformed nuclei
1987DE21	Microscopic description of the ^{16}O spectrum in a multiconfiguration cluster model
1987PR03	Self-consistent Hartree descrip. of deformed nuclei in a relativistic quantum field theory
1987RO06	Coupling of valence shell and particle-hole degrees of freedom in a partial RPA
1988ZH07	Many-particle-many-hole deformed state energies from HF with Skyrme interactions
1989BU15	Configurational quasidegeneracy and the liquid drop model
1991AB1C	Perturbative calculation of periodic solutions
1991BA1M	Symmetry & surface energy coefficients with an effective interaction (A)
1991DE11	Generalization of Frenkel-Dirac variational principle for systs. outside thermal equilib.
1991KA12	Single-particle states with an excited core in ^{13}N & ^{16}O
1991KN04	RPA calculations of nuclear response in the continuum using a finite-range interaction
1991KO18	Relativistic investigation of the spin-orbit field in superdeformed nuclei
1991SH31	Systematics of superdeformation for $8 > A > 248$
1991ZH05	Relativistic model incorporating vacuum polarization
Cluster and α -particle models	
1986CO15	DWBA analysis for (^7Li , t) reactions producing α -cluster states in ^{16}O & ^{20}Ne
1986OR1C	Faddeev-Yakubovsky calc. of 4α particle system with realistic alpha-alpha interactions
1986SU13	Unitary-model-operators & calculation of energies of grnd. & one-body states
1986SU16	(1986SU13 cont.) Three-body-cluster effects on properties of ^{16}O
1987DE21	Microscopic description of the ^{16}O spectrum in a multiconfiguration cluster model
1987OS03	Four-body problem for four bound α particles in ^{16}O
1987SU12	Nucl. ground-state properties & nucl. forces in unitary-model-operator approach to ^{16}O
1987ZE05	Microscopic evaluation of clustering in ^4He , ^{12}C and ^{16}O
1988CS01	Core-plus-alpha-particle states of ^{20}Ne and ^{16}O in terms of vibron models
1988KA1Z	Systematic construction method of multi-cluster Pauli-allowed states
1988TA1P	Measurement of a fragmentation event of a relativistic O nucleus (A)
1989FU1N	Three- α potential in 3α and 4α orthogonality condition models
1989KU31	Effective numbers of d-, t-, ^3He - and α -clusters and their distributions (in Russian)
1989SU01	Isoscalar E0 & E2 strength of ^{16}O in an $\alpha + ^{12}\text{C}$ cluster & symplectic mixed basis
1991BAZW	4α breakup of ^{16}O ; comparisons with prompt & sequential mechanisms (A)

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Cluster and α -particle models – continued	
1991CS01	Cluster spectroscopic factor in the vibron model
1991KA12	Single-particle states with an excited core in the nuclei ^{13}N and ^{16}O
1991OR02	4α model calculation for the ^{16}O nucleus by the four-body integral equation

Special States

Reviews:

- 1985AD1A Parity violation in the nucleon-nucleon interaction
- 1986HA1E Breaking of isospin symmetry in compound-nucleus reactions
- 1986VO07 0^+ states and E0 transitions in even-even nuclides
- 1987CA1E New spin excitation modes in nuclei
- 1989SP01 Reduced electric-octupole transition probabilities for even-even nuclides

Other Articles:

- 1986AN07 Predicted masses and excitation energies in higher isospin multiplets for $9 \leq A \leq 60$
- 1986AN08 Nucleon momentum & density distributions in the generator co-ordinate method
- 1986AY01 Effect of higher states on the ground & low-lying excited 0^+ states of ^{16}O & ^{40}Ca
- 1986BE1F Inelastic scattering to unnatural parity states in light nuclei using elementary probes
- 1986GO16 Deformed excited 0^+ states of ^{16}O & ^{40}Ca studied with the Hartree-Fock method
- 1986EK1A Highly excited & high-spin states in ^{16}O populated by (^{12}C , $^8\text{Be}_{\text{g.s.}}$) reaction
- 1986KL06 Interplay between giant res. & background — investigated with continuum shell model
- 1986OR1C Faddeev-Yakubovshy calculation of 4α particle system with realistic α - α interactions
- 1986RO26 Self-organization in nuclei
- 1986TOZQ Axial charge transitions in relativistic nucl. models & nonrelativ. meson exch. currents
- 1987AV08 Neutron & proton hole states in doubly magic nuclei
- 1987BL18 Excited states of light $N = Z$ nuclei with a specific spin-isospin order
- 1987CO31 Simple parametrization for low energy octupole modes of s-d shell nuclei
- 1987DE21 Microscopic description of the ^{16}O spectrum in a multiconfiguration cluster model
- 1987KI1C Microscopic studies of electric dipole resonances in 1p shell nuclei
- 1987PR03 Self-consistent Hartree descrip. of deformed nuclei in a relativistic quantum field theory
- 1987SK02 TDH solution of the Suzuki model of nuclear monopole oscillation
- 1988AM03 Study of the isoscalar dipole excitation (7.12 MeV) in ^{16}O
- 1988BL10 RPA for light nuclei based on fully relativistic Hartree-Fock calculations
- 1988BL11 Relativistic Hartree-Fock calculations for nuclear matter & closed shell nuclei
- 1988DE22 Search for elusive neutral particles in the $0^+ \rightarrow 0^+$ transition at 6.05 MeV in ^{16}O
- 1988GU13 Correlated basis functions calculation of spectra of light nuclei
- 1988KU18 Nuclear structure of ^{16}O in a mean-field boson approach

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Special States – continued	
1988MI1J	Shell model transition densities for electron & pion scattering
1988MU20	Reduction of stretched-magnetic-transition strengths by core polarization
1988PR05	Nuclear linear response to electroweak interactions in a relativistic theory for ^{16}O
1988RO09	Order out of chaos in atomic nuclei; microscopic calcs. of nucleon-induced rxns.
1989BI1A	Search for the emission of a neutral particle in the decay of the first excited state in ^{16}O
1989DE22	Addendum to 1988DE22
1989FO1D	Cold fusion results still unexplained
1989SU01	Isoscalar E0 & E2 strength of ^{16}O in an $\alpha + ^{12}\text{C}$ cluster & symplectic mixed basis
1991AB1C	Perturbative calculation of periodic solutions of the time-dependent mean-field eqs.
1991DE11	Generalization of Frenkel-Dirac variational principle for systs. outside thermal equilib.
1991KA09	Non-orthogonality problem in continuum RPA studied by orthogonality condition

Electromagnetic Transitions

1984VA06	Shell model treatment of $(0 + 1)\hbar\omega$ states in $A = 4-16$ nuclei
1986HI07	Neutron-proton correlation in energy systematics of E1 & M2 states
1986TK01	Microscopic calculation of properties of the low-lying M1 resonances in ^{16}O
1986VO07	0^+ states and E0 transitions in even-even nuclides (reviews various models)
1987CA1E	New spin excitation modes in nuclei
1987DE21	Microscopic description of the ^{16}O spectrum in a multiconfiguration cluster model
1987RA01	Transition probability from ground to first-excited 2^+ state of even-even nuclides
1987TO1B	Quenching of spin matrix elements in nuclei
1988AD08	Sum rules in extended RPA theories
1988MU20	Reduction of stretched-magnetic-transition strengths by core polarization
1989HAZY	Two-photon decay of the $0^+(6.05 \text{ MeV})$ state in ^{16}O (A)
1989KA28	Microscopic model incorporating 2p-2h configs. in magic nucl.; calc. of M1 excitations
1989LI1G	Sum rules & giant resonances in nuclei
1989RA16	Predictions of $B(E2; 0_1^+ - 2_1^+)$ values for even-even nuclei
1989SU01	Isoscalar E0 and E2 strength of ^{16}O in an $\alpha + ^{12}\text{C}$ cluster and symplectic mixed basis
1991LE14	Theoretical evaluation of the Coulomb sum rule in nuclei
1991LI29	Sum rules for nuclear excitations with the Skyrme-Landau interaction

Giant Resonances

1986HI07	Neutron-proton correlation in energy systematics of E1 & M2 states
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Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Giant Resonances – continued	
1986KL06	Interplay between giant res. & background - investigated with continuum shell model
1987BU06	Alpha decay of giant electric quadrupole resonances
1987KIIC	Microscopic studies of electric dipole resonances in 1p shell nuclei
1987QU02	Giant dipole transitions in the nuclear WSp(6, R) Model
1987TH03	Exotic isoscalar dipole resonances in the Walecka model
1988BE24	Simple microscopic approach to the nuclear giant monopole & quadrupole resonances
1988BL02	Quantized TDHF for giant monopole vibrations
1988CA07	Charge transition densities for excitation & nucleon decay of the ^{16}O GDR
1988CO1G	Charge response in ^{12}C & ^{40}Ca ; also includes RPA calc. for ^{16}O
1988DI07	Scaling- & antisca.-type oscillations in isoscalar & isovector nucl. monopole vibrations
1988DR02	Quantized TDHF for isoscalar giant quadrupole resonances in spherical nuclei
1988HO10	Shell-model + Hartree-Fock condition calc. of excitation energies of giant resnecs. in ^{16}O
1988LI13	Surface & temperature effects in isovector giant resonances
1988PA05	Time-depend. Hartree-Fock calc. of escape width of giant monopole resonance in ^{16}O
1989LH02	Isoscalar giant resonances in a relativistic model of doubly-closed-shell nuclei
1989LIIG	Sum rules & giant resonances in nuclei
1991BO39	Compressibility of nuclei in relativistic mean field theory
1991LI28	Self-consistent RPA calc. of giant multipole resnecs. using Skyrme-Landau interaction

Astrophysics

Reviews:

- 1986WO1A The physics of supernova explosions
- 1990RO1C Radiative capture reactions in nuclear astrophysics

Other Articles:

- 1986BA50 Coulomb dissociation as a source of information on radiative capture processes
- 1986LA1C The chemical composition of 30 cool Carbon stars in the galactic disk
- 1986MA1E Effects of the new $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ rate on chemical evolution of the solar neighborhood
- 1986SM1A Chemical composition of red giants: He burning and the *s*-process in the MS & S stars
- 1986TR1C Frequency of occurrence of O-Ne-Mg white dwarfs in classical nova systems
- 1987AD1A Direct meas. of the charge state of the anomalous O component of cosmic rays (A)
- 1987AL1B Carbon, nitrogen and oxygen abundances in Procyon, Sun and Arcturus
- 1987BE1H $^{12}\text{C}/^{13}\text{C}$ & $^{16}\text{O}/^{18}\text{O}$ ratios in Venus' atmosphere from high-res. 10-mm spectroscopy
- 1987CU1A Interstellar medium composition der. from anomalous cosmic ray component meas. (A)
- 1987DO1A $^{12}\text{C}/^{13}\text{C}$ & $^{16}\text{O}/^{17}\text{O}$ isotopic ratios in seven evolved stars (types MS, S & SC)
- 1987DW1A Cosmic-ray elemental abundances from 1 to 10 GeV/amu for Boron through Nickel

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Astrophysics – continued	
1987FA1C	^{16}O excess in hibonites discredits late supernova injection origin of isotopic anomalies
1987HA1C	$^{12}\text{C}/^{13}\text{C}$ and $^{16}\text{O}/^{18}\text{O}$ ratios in the solar photosphere
1987HA1D	Oxygen isotopic abundances in 26 evolved Carbon stars
1987HA1E	Search for $^{14}\text{C}^{16}\text{O}$ in the atmospheres of evolved stars - none found
1987LA1C	Line shapes and linear polarizations of certain γ -rays emitted from solar flares (A)
1987MC1A	Oxygen isotopes in refractory stratospheric dust: proof of extraterrestrial origin
1987ME1B	Solar coronal isotopic abundances derived from solar energetic particle meas. (A)
1987PL03	Scattering of α particles from ^{12}C and the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ stellar reaction rate
1987PR1A	Neutron capture nucleosynthesis during core Helium burning in massive stars
1987RA1D	Nuclear processes and accelerated particles in solar flares
1987SA1D	Linear polarization of $^{12}\text{C}^*$ & $^{16}\text{O}^*$ γ -rays as particle direction indicators in solar flares
1988AN1D	Evolution of Fe, r, and s-elements in our galaxy
1988CL1C	Isotopic anomalies: Chemical memory of galactic evolution
1988CUZX	Elemental composition of anomalous cosmic-ray component (A)
1988DU1B	Spectrophotometry & chemical composition of the O-poor bipolar nebula NGC 6164-5
1988DU1G	Abundances of Carbon & Nitrogen in I Zw 18 (an Oxygen-poor galaxy)
1988FO1E	Nuclear line spectroscopy of solar flares; deduced elemental abundances
1988KA1G	Steady state models of white dwarfs accreting Helium or Carbon/Oxygen-rich matter
1988RE1E	Bimodal abundances in the energetic particles of solar and interplanetary origin
1989AB1J	Oxygen abundances in unevolved metal-poor stars: interpretation & consequences
1989BE2H	Effect of enhanced α -elements in Helium-burning population II stars
1989CH1X	Stability analysis of C-N-O nuclear reaction inside stars
1989CU1E	Observed radial & latitudinal gradients of anomalous cosmic ray Oxygen (A)
1989FU02	Reaction cross section for “solar flare neutrinos” with ^{37}Cl and ^{16}O targets
1989GU06	Hartree-Fock & shell-model charge densities of $^{16,18}\text{O}$, $^{32,34}\text{S}$ and $^{40,48}\text{Ca}$
1989GU28	Thermonuclear breakup reactions of light nuclei. I. Processes & effects
1989GU1J	(cont. from 1989GU28) Part II. Gamma-ray line production & other applications
1989GU1Q	Abundances of light nuclei at the cosmic-ray source from fragmentation cross sections
1989JI1A	Nucleosynthesis inside thick accretion disks around massive black holes
1989LI1I	Anthropic significance of the existence of an excited state of ^{12}C
1989ME1C	Isotope abundances of solar coronal material derived from solar energetic particle meas.
1989SP1G	Oxygen and Carbon abundances in a few F supergiants of the small Magellanic cloud
1989TA26	Microscopic calc. of rates of electron capture which induce collapse of O+Ne+Mg cores
1990AB1E	Early nucleosynthesis of O and Fe
1991AL02	N- \bar{N} oscillation times estimated from Paris NN \bar{N} potential
1991AN1E	^{26}Al and ^{16}O in the early solar system: clues from meteoritic Al_2O_3
1991BE05	Direct projectile break-up & its relation to the astrophysically relevant fusion reactions

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Astrophysics – continued	
1991PA1C	Extremum problem treatment of C, N & O abundances in late-type star atmospheres (A)
1991RA1C	Carbon burning and galactic enrichment in massive stars
Applications	
1986MU1A	Analysis of Oxygen on & in Beryllium using 2 MeV Helium ions (A)
1986ZA1A	Passage of Nitrogen and Oxygen ions through Carbon and celluloid films
1987BO16	Analytical possibilities of $3 < E < 12$ MeV Tritium beams & appl. to analysis of O in InP
1987NA1D	Sputtering of Carbon by Oxygen and Neon
1987ZU1A	Oxygen isotope effect in high-temperature Oxide superconductors
1988AL1K	Analysis of “Desert Rose” (geological sample) using RBS and PIXE techniques
1988BL1H	Surface analysis of high Z oxides using 3.05 MeV ^4He - ^{16}O backscattering resonance
1988GOZR	Non-Rutherford elastic backscattering for light element cross section enhancement (A)
1988ILZZ	Light element materials study by Rutherford backscattering spectroscopy (A)
1988RO1L	Ion implantation in targets for nuclear physics studies (A)
Complex Reactions	
Reviews:	
1987MC1B	Introduction to quark-gluon plasma and high energy heavy ion collisions (A)
1989GRZQ	Cluster radioactivities
Other Articles:	
1986AB06	Calculation of mass yields for proton-nucleus spallation reactions
1986AL25	Incomplete & complete fusion in intermediate energy heavy ion reactions
1986AV1A	Search for anomalous & fragments with fractional charge in ^{16}O fragmentation
1986BA1E	Multistep fragmentation of heavy ions in peripheral collisions at relativistic energies
1986BO1B	Observation of fission of relativistic ^{24}Mg & ^{28}Si into two fragments of \sim equal charge
1986HA1B	Microscopic model of nucleus-nucleus collisions
1986KI1C	Apparent anomalously short mean free paths observed in relativistic heavy-ion collis.
1986MA13	Experimental search for nonfusion yield in the heavy residues emitted from $^{11}\text{B} + ^{12}\text{C}$
1986ME06	Quasi-elastic, deep-inelastic, quasi-compound nucleus mechanisms from $^{89}\text{Y} + ^{19}\text{F}$
1986NA1B	Correlation of linear momentum & angular momentum transfer in $^{154}\text{Sm} + ^{16}\text{O}$
1986PL02	Element distributions after binary fission of ^{44}Ti
1986PO06	Calc. half-lives & kinetic energies for spontaneous emission of heavy ions from nuclei
1986SA30	Nucleus-nucleus scattering and interaction radii of stable & unstable nuclei

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Complex Reactions – continued	
1986SC29	Partition of excitation energy in peripheral heavy-ion reactions
1986SHZY	Equilibration in orbiting reactions; ^{12}C & ^{16}O yields from $^{14}\text{N} + ^{28}\text{Si}$ (A)
1986SH1F	Measurements of projectile-like fragments produced by $^{27}\text{Al} + ^{16}\text{O}$
1986SH25	Equilibration in orbiting reactions; ^{12}C & ^{16}O yields from $^{14}\text{N} + ^{28}\text{Si}$
1986SO10	Particle-bound excited state yields produced in the reaction of 181 MeV $^{19}\text{F} + ^{159}\text{Tb}$
1986ST13	Microscop. calc. of ener. & transitional densities of giant monopole resonances in nucl.
1986VA18	Excitation-energy sharing in ^{20}Ne induced reactions
1986VA23	Peripheral reactions induced by ^{20}Ne at 11 and 15 MeV/nucleon
1987AN1C	Fast frags. of target in interactions of relativistic nuclei with nuclei of nucl. emulsion
1987BA02	Energy spectra of fragments calculated using statistical multifragmentation model
1987BA1T	Spin-isospin excitations in nuclei with relativistic heavy ions
1987BA31	Isotope distribution in nuclear multifragmentation
1987BA38	Systematics of the $^{14}\text{N} + ^{159}\text{Tb}$ reaction between 6 and 33 MeV/u Part I. Inclusive Data
1987BE58	Target fragmentation at ultrarelativistic energies using oxygen beams
1987BO1K	Collectivity in composite fragment emission from relativistic heavy ion collisions
1987BO23	Intermediate-mass fragments from nonbinary processes in $^{14}\text{N} + \text{Ag}$ at $E/A = 35$ MeV
1987BU07	Projectile-like fragments from $^{20}\text{Ne} + ^{197}\text{Au}$ — counting simultaneously emitted neutrons
1987DEZV	^{16}O breakup in the $^{27}\text{Al} + ^{16}\text{O}$ interaction at 96 MeV (A)
1987FA09	Source properties of intermediate-mass frags. emitted in $^{14}\text{N} + ^{232}\text{Th}$ at $E/A = 35$ MeV
1987FE1A	Study of deep inelastic collisions in $^{12}\text{C} + ^{27}\text{Al}$ at 61.8 MeV
1987GE1A	Charges & angular distributions of fast fragments produced in 3.2-TeV $^{16}\text{O} + \text{Pb}$
1987GO1E	Photon and charged particle spectra in $^{16}\text{O} + \text{W}$ at 200 GeV/nucleon (A)
1987JA1B	Model of transverse energy production in high energy nucleus-nucleus collisions
1987KO15	Intermediate mass fragments in $^6\text{Li} + ^{46}\text{Ti}$ at $E/A = 26$ MeV
1987LI04	Multistep effects in $^{17}\text{O} + ^{208}\text{Pb}$ near the Coulomb barrier
1987LY04	Fragmentation & the emission of particle stable and unstable complex nuclei
1987MA1B	Peripheral like interaction model of spectator residue with central fireball
1987MI1B	Projectile fragmentation of ^{16}O at medium energies (A)
1987MU03	Study of the emission of clusters by excited compound nuclei
1987NA01	Linear momentum & angular momentum transfer in $^{154}\text{Sm} + ^{16}\text{O}$
1987PA01	Complete & incomplete fusion in $^{20}\text{Ne} + ^{93}\text{Nb}$
1987PA1D	Recoil accelerator mass spectrometry of nuclear reaction products
1987RI03	Isotopic distributions of fragments from $^{40}\text{Ar} + ^{68}\text{Zn}$ at $E = 27.6$ MeV/u
1987RO10	Projectile fragmentation in heavy-ion reactions at intermediate energies
1987SH23	Dissipative phenomena and α -particle emission in $^{16}\text{O} + ^{27}\text{Al}$ between 46 and 85 MeV
1987SU07	Correlated fluctuations in the $^{89}\text{Y}(^{19}\text{F}, x)\text{y}$ excitation functions
1987VI14	Mechanisms of momentum & energy transfer in intermediate-energy collisions

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Complex Reactions – continued	
1988AN1C	Multiple angular scattering of $^{16,17}\text{O}$, ^{40}Ar , ^{86}Kr and ^{100}Mo at 20–90 MeV/u
1988AR1D	Interactions of 60 & 200 A GeV ^{16}O ions in nuclear emulsion
1988AY03	Transport description for capture processes in nuclear collisions
1988BO13	Deeply inelastic collisions as a source of intermediate mass fragments at $E/A = 27$ MeV
1988BR1N	Fragmentation cross sections of ^{16}O at 60 & 200 GeV/nucleon
1988CA27	Experimental indications of selective excitations in dissipative heavy ion collisions
1988FE1A	Meas. C, O, & Fe charge changing σ in He & H at high E ; appl. to cosmic-ray propag.
1988GA11	Neutron pickup & 4-body processes in reactions of $^{16}\text{O} + ^{197}\text{Au}$ at 26.5 & 32.5 MeV/u
1988GA12	Stripping- & pickup-induced breakup in 11- & 17-MeV/u $^{20}\text{Ne} + ^{197}\text{Au}$ reactions
1988GO11	Emissions of complex frags. & effective temps. for collisions of $^{58}\text{Ni} + ^{58}\text{Ni}$ at 11 MeV
1988HA03	Spin dependence of neutron transfer in heavy ion reactions
1988KH1B	Excit.-decay vs. fragment production for $^{12}\text{C}(^{16}\text{O}, ^{15}\text{N} + \text{p})$; $E = 1.05$ & 2.1 A GeV (A)
1988MI28	Multifragmentation as a possible signature of liquid-gas phase transitions
1988MO05	Dynamical model for projectile break-up & incomplete fusion in $^{20}\text{Ne} + ^{197}\text{Au}$
1988POZZ	Multifragmentation of the projectiles ^{16}O , ^{14}N , and ^{12}C at 32.5 MeV/A (A)
1988SH03	$^{28}\text{Si} + ^{14}\text{N}$ orbiting interaction (experimental data) & importance of phase space
1988SH1H	Coincidence meas. between α -particles & projectile-like frags. in 82.7 MeV $^{16}\text{O} + ^{27}\text{Al}$
1988SI01	Fragmentation of ^{16}O projectiles at 100 MeV/nucleon
1988TE03	Incomplete deep-inelastic scattering in $^{20}\text{Ne} + ^{197}\text{Au}$ collisions at 20 MeV/nucleon
1988UT02	Quasi-free stripping mechanism of Serber model extended to complex projectiles
1988WI1F	Electromagnetic spallation of 3.2 TeV ^{16}O nuclei (A)
1989AD1B	Production of He projectile fragments in ^{16}O -emulsion interactions at $E/A = 2$ –200 GeV
1989BR14	Dynam. anal. of deep inelas. interac. in $^{19}\text{F} + ^{24}\text{Mg}$ at 1.3 MeV/u above Coulomb barrier
1989CA15	Fusion & binary reactions in the collision of ^{32}S on ^{26}Mg at $E_{\text{lab}} = 163.5$ MeV
1989FI05	Non-eq. vs. equilibrium complex. frag. emiss.; $^{14}\text{N} + \text{Ag}$ & $^{14}\text{N} + \text{Au}$ at $E/A = 20$ –50 MeV
1989GE11	Complex fragments emitted in excited states
1989GR13	Compound nucleus emission of intermediate mass fragments in $^6\text{Li} + \text{Ag}$ at 156 MeV
1989MA45	Target excitation & angular momentum transfer in $^{28}\text{Si} + ^{181}\text{Ta}$ from multiplicity meas.
1989PO06	Approach to criticality in the fragmentation of Xe by 1–19 GeV protons
1989PO07	Excitation & multiple dissociation of ^{16}O , ^{14}N , and ^{12}C projectiles at 32.5 MeV/u
1989RE08	Large transient magnetic fields for single electron O ions on a 10 fs time scale (O + Gd)
1989SA10	Total cross sections of reactions induced by neutron-rich light nuclei
1989TE02	Dissipative mechanisms in the 120 MeV $^{19}\text{F} + ^{64}\text{Ni}$ reaction
1989YO02	Quasi-elastic & deep inelastic transfer in $^{16}\text{O} + ^{197}\text{Au}$ for $E < 10$ MeV/u
1989YO09	Energy damping feature in light heavy-ion reactions (including 118 MeV $^{16}\text{O} + ^{48}\text{Ti}$)
1989ZHZY	Mass measurement of $Z = 7$ –19 neutron-rich nuclei using the TOFI spectrometer (A)
1990BO01	Critical excitation energy in fusion-evaporation reactions

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Reference	Description
Complex Reactions – continued	
1990SE18	Total reaction cross section for the interaction of light nuclei in Glauber-Sitenko theory
1990YE02	Intermediate mass fragment emission in the $p + \text{Ag}$ reaction at 161 MeV

Muon and Neutrino capture and reactions

Reviews:

- 1985GR1A Induced weak currents in nuclei
- 1986TO1D Meson-exchange currents in time-like axial-charge transitions

Other Articles:

- 1986DO06 Experimental results on radiative muon capture in complex nuclei
- 1986GM02 Continuity-equation constraint for electron scattering & radiative muon capture
- 1986LI13 Signature for the existence of η -mesic nucleus
- 1986MA16 Emission of nucleons & nucleon pairs following muon capture in ^{12}C , ^{16}O & ^{27}Al
- 1986NA14 Sum rule approach to total muon capture rates
- 1986TO1A Weak interaction probes of light nuclei
- 1987GM01 Radiative capture of polarized muons on ^{16}O & ^{40}Ca
- 1987OH1B Energetic neutrons after muon capture modeled using realistic nuclear Fermi motion
- 1988DO05 Radiative muon capture in ^{12}C , ^{16}O , ^{27}Al , ^{40}Ca , $^{\text{nat}}\text{Fe}$, ^{165}Ho & ^{209}Bi
- 1988FR19 Radiative muon absorption in ^{16}O
- 1988HA22 Neutrino reactions on oxygen & a proposed measurement of the Weinberg angle
- 1988PR05 Nuclear linear response to electroweak interactions in a relativistic theory for ^{16}O
- 1989FU02 Reaction cross section for “solar flare neutrinos” with ^{37}Cl & ^{16}O targets
- 1989KA35 Second class meson exchange currents & neutrino mass in μ^- -capture by light nuclei
- 1989NA01 Some relations for radiative-pion-capture & muon-capture rates

Pion, Kaons & Other Mesons

Reviews:

- 1986BA1C Pion-nucleus double charge exchange: the modern era
- 1986DO1B Strange probes of the nucleus
- 1986PE1E Scattering of electrons, nucleons, and pions as probes of nuclear structure
- 1987FA1A Conclusions & outlook (from Proc. of the Int. Conf. on a European Hadron Facility)
- 1987GI1C Pion-nucleus interactions
- 1988FA1B Strange particles: a probe for new physics in particles and nuclei
- 1988JO1E Pions & the nuclear spin-isospin response

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Pion, Kaons & Other Mesons – continued	
1988KR1E	Meson exchange models of the nuclear response function
1988KY1A	Studies of pion absorption at SIN; includes quasi-deuteron absorption in ^{16}O
1988PE1F	The (π, η) and (π^+, K^+) reactions in nuclei
1988RO1M	Nuclear scattering & reactions with low-energy pions
1988WA1B	Production of hypernuclei in the (K, π) reaction
1989CH32	Recent experiments in novel nuclear excitations at the BNL AGS
1989JO07	Phenomenological optical-model anal. of pion elastic & charge-exchange scat.
1989KH08	Problems of pion-nucleus interaction
1989RI1E	Exchange currents
Other Articles:	
1986BE22	Stability of the ground state of finite nuclei against neutral pion condensation
1986BE42	$(K^+, K^+\pi)$ in light nuclear-emulsion nuclei with small momentum transfer to nucleus
1986BL04	Pion condensates in excited states of finite nuclei & nuclear matter
1986CE04	Inclusive n, p & d energy spectra from stopped π -absorption in ^6Li , ^9Be , ^{16}O , & ^{27}Al
1986CH39	Compar. of $\pi\Delta$ interact. mechan. & dbl. chrg. exch. (exp. data on self-conjugate nucl.)
1986CO1B	$(e, e'K^+)$ & low-lying hypernuclear states using relativistic field theory (A)
1986DI07	Analytic distorted wave approx. for electro- & photopion produc. on ^{12}C near threshold
1986FI1A	Conversion width of the Σ^- & Ξ^- -hyperons in nuclei & one-meson exchange
1986FR20	Kemmer-Duffin-Petiau eq. for pionic atoms & anomalous strong interaction effects
1986GI13	Nuclear-structure aspects of nonanalog pion double charge exchange
1986HA26	Shell model analysis of Σ -hypernuclear spectra for $A = 12$ & 16
1986HA39	Strangeness exchange reactions with the recoil corrected continuum shell model
1986KI1D	Quasifree process in hypernuclear formation
1986LE22	Test of effective cluster interactions by pion scattering
1986LI1B	Evidence & search for the eta-mesic nucleus
1986LI1C	Extraction of particle-hole strengths for $1\hbar\omega$ stretched states
1986MEZX	Total reaction cross sections of 50 & 65 MeV pions on nuclei (A)
1986OS03	Theoretical study of inclusive $(\pi, 2\pi)$ reactions in nuclei
1986SCZX	$^{16,18}\text{O}(\pi^+, 2p)^{14,16}\text{N}$ reactions at $T = 116$ MeV with energy resolution < 2 MeV (A)
1986SI11	Effects of nuclear correlations on low-energy pion charge-exchange scattering
1986TO1A	Weak interaction probes of light nuclei
1986WH03	Energy dependence of the low energy pion-nucleus optical potential
1987AM1A	Spectroscopic aspects of the reaction $^{16}\text{O}(\pi^+, 2p)^{14}\text{N}$ at $T = 116$ MeV (A)
1987BU20	p & d production in nucl. (in inclusive reactions) induced by 1.5 GeV/c π^+ & π^- mesons
1987CH10	Continuum effects & the interpretation of Σ hypernuclei
1987CH1D	Search for the bound states of an η -meson in the nuclear potential (A)
1987CO09	$(e, e'K^+)$ & low hypnucl. excits. using relativistic transit. operator & nucl. struc. model

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Pion, Kaons & Other Mesons – continued	
1987CO1G	Studies of the nuclear $(e, e'K^+)$ reaction in a relativistic model (A)
1987CO25	The $(\vec{p}, n\pi)$ ground state reaction in a relativistic framework
1987GI01	The isoscalar pion-nucleus interaction from pionic atoms
1987GM02	Momentum-space second-order optical potential for pion-nucleus elastic scattering
1987GM04	Pion-nucleus scattering at low & resonance energies
1987GO05	$^{16}\text{O}(\pi^+, pp)^{14}\text{N}$ at 60 MeV — testing the quasi-deuteron mechanism
1987HA40	Coupled channel calculation of Σ -hypernuclear spectra from ^{12}C , ^{16}O , & ^6Li
1987JE02	Photoproduction of charge pions on ^{16}O to bound states of the nuclei ^{16}N and ^{16}F
1987KA39	Delta-hole approach to pion double charge exchange
1987KH1B	New approach to the description of pion-nucleus scattering at low energies
1987KO1F	Σ -hypernuclear spectra from (K^-, π) inclusive reactions (A)
1987KO30	Σ -hypernuclear spectra from (K^-, π) inclusive reactions
1987LE1B	Strong interaction studies via meson-nucleus reactions
1987MA1I	Inclusive pion double charge exchange in light nuclei (A)
1987MA1M	E & θ dependence of non-analog pion double charge exchange reaction (A)
1987NA04	Sum rule approach to radiative pion capture: full hamiltonian calc. for 1p shell nuclei
1987PI1B	Studies of hypernuclei by associated production (A)
1987TE01	Inclusive π^+ & π^- prod. in nucleon-nucleus & ^4He -nucleus collisions in the GeV region
1988CH49	Search for bound states of the η meson in light nuclei
1988DH1A	Delta-hole model in the local density approximation (see 1988ER04)
1988DO05	Radiative muon capture in nuclei; also measured pion capture
1988EL06	s-wave repulsion of pion-nucl. interaction, data contradicts relativistic mean-field calc.
1988ER04	Delta-hole model in the local-density approximation
1988FR02	Strong-interaction finite-range effects in light pionic atoms
1988GR1E	Systematics of inclusive double charge exchange
1988HA12	Charge exchange reactions used to study giant resonances: (π^\pm, γ) , (π^\pm, π^0)
1988HA44	Phenomenological analysis of Σ -hypernuclear spectra from (K^-, π^+) reactions
1988HYZY	Coincidence measurements of the reaction $^{16}\text{O}(\pi^+, 2p)^{14}\text{N}$ at 165 MeV (A)
1988HYZZ	Measurement of the reactions $^{16}\text{O}(\pi^+, p)$ & $^{16}\text{O}(\pi^+, 2p)^{14}\text{N}$ at 165 MeV (A)
1988IT02	Pi-mesonic decay of hypernuclei & pion wave function
1988JO1F	The $(\pi, 2\pi)$ reaction; experimental data compared to calc. of 1986OS03
1988KH01	Pion-nucleus dynamics at low energies
1988KR09	RPA correlation effects in radiative pion capture
1988KR1E	Meson exchange models of the nuclear response function
1988LI1P	Large-angle elastic scattering of π^+ & π^- from ^{16}O at 114 MeV (A)
1988MA09	Study of hypernucleus production by K^- capture at rest
1988MA27	Non-analog double charge exchange transition: $^{16}\text{O}(\pi^+, \pi^-)^{16}\text{Ne}(\text{g.s.})$

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Pion, Kaons & Other Mesons – continued	
1988MA37	Observation of pionic atom anomaly in low-energy pion scattering
1988MAZM	Dominance of the two-nucleon mechanism in $^{16}\text{O}(\pi^+, 2p)$ at 115 MeV (A)
1988MI1N	Λ -nucleus single-particle potential obtained from analysis of Λ -hypernuclei spectra data
1988MO1B	The (π^+, K^+) reaction to probe Λ and Σ states in hypernuclei
1988MO23	Hypernuclear production by the (π^+, K^+) reaction
1988OS1C	Meson exchange currents in p decay in nuclei
1988PE1H	Associated production of hypernuclei with (π^+, K^+) reaction
1988PI1E	Search for bound states of the η -meson in light nuclei
1988SA24	Computer simulation of inclusive pion nuclear reactions
1988SC14	Exclusive quasi-deuteron absorption of pions in ^{16}O & ^{18}O at 116 MeV
1988TA21	One-nucleon knockout by pions and deltas
1988WI1B	Large angle pion-nucleus scattering from ^{12}C & ^{16}O (A)
1988WI1I	Pion double charge exchange above the $\Delta(3, 3)$ resonance (A)
1989BA06	Polarization of hypernuclei in the (π^+, K^+) reaction
1989BA63	Slow π^- meson capture by C, N, & O in nucl. emulsion with prod. of 3 charged particles
1989BA92	Strangeness production by heavy ions
1989BE02	Kaon photoproduction from nuclei in a relativistic nuclear model
1989BE11	Electromagnetic production of Σ hypernuclei
1989CA04	Quantized meson-exchange picture of the nuclear interactions
1989CH04	J dependence in the reaction $^{16}\text{O}(\pi^+, 2p)^{14}\text{N}$ at 116 MeV
1989CH31	Photoproduction of pions off nucleons & nuclei
1989FE07	Skyrme-Hartree-Fock calculation of Λ -hypernuclear states from (π^+, K^+) reactions
1989GA09	Pionic distortion factors for radiative pion capture studies
1989HA07	Shell model calculation of Λ -hypernuclear spectra from (π^+, K^+) reactions (talk)
1989HA29	Shell model calculation of Λ -hypernuclear spectra from (π^+, K^+) reactions
1989HY1B	Inclusive & exclusive measurements of $^{16}\text{O}(\pi^+, p)$ & $^{16}\text{O}(\pi^+, 2p)^{14}\text{N}$ at 165 MeV (A)
1989KA37	Finite-range effects in pionic atoms
1989KH01	On the reactive content of the pion-nucleus optical potential at low-energies
1989LI1H	Proton-induced production of η on nuclei
1989MO17	(π, K^+) hypernucl. production & struc.; DWIA calc. based on Kapur-Peierls framework
1989NA01	Some relations for radiative-pion-capture & muon-capture rates
1989PI11	Study of hypernuclei from $^9_\Lambda\text{Be}$ to $^{89}_\Lambda\text{Y}$ using the (π^+, K^+) reaction
1989SI09	Mechanism of (K^+, K^+p) on light nuclei at kaon energies 130 & 283 MeV
1989TA04	Absorptive effects in $K^+\Lambda$ photoproduction on nucleons & nuclei
1989TA16	Formation of $^4_\Lambda\text{H}$ hypernuclei from K^- absorption at rest on light nuclei
1989TA17	Compound-hypernucl. interpretation on $^4_\Lambda\text{H}$ formation probab. in stopped- K^- absorption
1989TA19	$^4_\Lambda\text{H}$ formation from K^- absorption at rest on ^4He , ^7Li , ^9Be , ^{12}C , ^{16}O , & ^{40}Ca

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Pion, Kaons & Other Mesons – continued	
1989TO11	Structure & formation of deeply-bound pionic atoms
1989VI01	Inclusive pion-nucleus double charge exchange
1989WI20	Pion double charge exchange in the D33 resonance region
1990MO36	Meson exchange current corrections to magnetic moments in quantum hadro-dynamics
1991CI08	Momentum-space method for pionic atoms
1991LE13	Cross sections for production of eta nuclei by photons
1991PI07	Study of hypernuclei by associated production through the (π^+, K^+) reaction
Hypernuclei	
Reviews:	
1986CH11	Summary — hypernuclear sessions of “Interactions Between Particle & Nuclear Physics”
1986CO1B	(e, e'K ⁺) & low-lying hypernuclear states using relativistic field theory (A)
1986GA1H	Hypernuclear interactions
1988CH48	Studies of hypernuclei by associated production
1988GA1A	Recent developments in hypernuclear spectroscopy
1988GA1I	Issues in hypernuclear physics
1988HA41	Nuclear physics with strange probes
1988PO1H	Flavour and the structure of hadrons and nuclei
1988WA1B	Production of hypernuclei in the (K, p) reaction
1989CH32	Recent experiments in novel nuclear excitations at the BNL AGS
1989DO1I	On the production & spectroscopy of hypernuclei
1989RE1C	Relativistic mean-field description of nuclei and nuclear dynamics
1989ZO03	Hypernuclear physics
Other articles:	
1986BA1H	Pionic decay of hypernuclei
1986GA14	Calc. of (K ⁻ , π) hypernuclear yields for stopped kaons in ^{12}C & $1p_\Lambda$ states in $^{16}_\Lambda\text{O}$
1986HA26	Shell model analysis of Σ -hypernuclear spectra for $A = 12$ & 16
1986HA39	Strangeness exchange reactions with the recoil corrected continuum shell model
1986MA1C	Decay properties of hypernuclear resonances
1986MO1A	The ΛN interaction & structures of the $^{16-18}\text{O}$ hypernuclei
1987CO09	(e, e'K ⁺) & low hypnucl. excits. using relativistic transit. operator & nucl. struc. model
1987MI38	Semiphenomenological studies of the ground state binding energies of hypernuclei
1987PI1C	Hypernuclei studied with the (π^+, K^+) reaction (A)
1987RU1A	Single-particle spectra of Λ hypnucl. & enhanced interact. radii of multi-strange objects
1987WU05	Resonant and quasi-free mechanisms of Σ -production on nuclei

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Hypernuclei – continued	
1987YA1C	Density-dependent effective ΛN & ΛNN interaction applied to light hypernuclei
1988HA44	Phenomenological analysis of Σ -hypernuclear spectra from (K^-, π^+) reactions
1988MA09	Study of hypernucleus production by K^- capture at rest
1988MA1G	Non-mesonic hypernuclear weak decays — systematic testing in the shell model
1988MI1N	Λ -nucleus single-particle potential from analysis of Λ -hypernuclei spectra data
1988MO1B	(π^+, K^+) reaction used to probe Λ and Σ states in hypernuclei
1988MO23	Hypernuclear production by the (π^+, K^+) reaction
1988PE1H	Associated production of hypernuclei with (π^+, K^+) reaction
1989BA06	Polarization of hypernuclei in the (π^+, K^+) reaction
1989BA92	Strangeness production by heavy ions
1989BA93	Production of hypernuclei in relativistic ion beams
1989FE07	Skyrme-Hartree-Fock calculation of Λ -hypernuclear states from (π^+, K^+) reactions
1989HA29	Shell model calculation of Λ -hypernuclear spectra from (π^+, K^+) reactions
1989HA32	Σ -hypernuclear production in flight
1989KO37	Relativistic motion of the Λ in hypernuclei using Woods-Saxon & Gaussian potentials
1989LA1I	Indirect methods of study of decays of excited hypernuclei — hypernuclear spectroscopy
1989MA30	On Λ -hyperon(s) in the nuclear medium; relativistic mean field theory analysis
1989MO17	(π, K^+) hypernucl. production & struc.; DWIA calc. based on Kapur-Peierls framework
1989PI11	Study of hypernuclei from ${}^9_{\Lambda}\text{Be}$ to ${}^{89}_{\Lambda}\text{Y}$ using the (π^+, K^+) reaction
1989TA16	Formation of ${}^4_{\Lambda}\text{H}$ hypernuclei from K^- absorption at rest on light nuclei
1989TA17	Compound-hypernucl. interpretation on ${}^4_{\Lambda}\text{H}$ formation probab. in stopped- K^- absorption
1989TA19	${}^4_{\Lambda}\text{H}$ formation from K^- absorption at rest on ${}^4\text{He}$, ${}^7\text{Li}$, ${}^9\text{Be}$, ${}^{12}\text{C}$, ${}^{16}\text{O}$, & ${}^{40}\text{Ca}$
1989TA32	Schmidt diagrams & configuration mixing effects on hypernuclear magnetic moments
1991BE01	Electromagnetic production of polarization in hypernuclei
1991FE06	Effective ΛN -interaction & spectroscopy of low-lying states of 1p-shell hypernuclei
1991PI07	Study of hypernuclei by associated production through the (π^+, K^+) reaction

Antinucleon Interactions

Reviews:

- 1987GR1I Low energy antiproton physics in the early LEAR era
 1987YA1E Why study (\bar{p}, \bar{n}) on nuclei?

Other Articles:

- 1986DU10 Microscopic calculation of antiproton atomic-like bound states in light nuclei
 1986FR10 Fourier-Bessel potential description of antiproton-nucleus elastic scattering data
 1986KO1E Search for \bar{p} -atomic X-rays; observed spin-dependence of \bar{p} -nucleus interaction

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Antinucleon Interactions – continued	
1986MA46	Relativistic impulse approx. analysis of elastic \bar{p} scattering at intermediate energies
1986RO23	Measurement of the $4f$ strong interaction level width in light antiprotonic atoms
1986ZA06	Sensitivity of σ_R & forward scattering amp. to form of nucl. optical pot. for N & \bar{N}
1987AD04	Microscopic analysis of antiproton-nucleus elastic scattering
1987BA18	Optical model analysis of antiprotonic Oxygen atom data
1987BA21	Neutron-antineutron oscillations in ^{16}O
1987BE26	\bar{p} -neutron scattering amplitude from \bar{p} -nucleus elastic scattering data; Glauber model
1987CU1B	Nucleus excitation and deexcitation following \bar{p} -annihilation at rest
1987DA1D	Glauber-Sitenko description of low-energy antiproton-nucleus interactions
1987GR20	Widths of $4f$ antiprotonic levels in the Oxygen region
1987MA04	Spin effects in elastic \bar{p} -nucleus scattering; Glauber analysis
1987SP05	Spin and isospin effects in a relativistic treatment of \bar{p} -atom shifts and widths
1987ZA08	Strong absorption and noneikonal effects in antiproton-nucleus scattering
1988JA09	Residual mass distribution following \bar{p} -nucleus annihilation
1988LI10	Optical potential analysis of antiproton-nucleus elastic scattering (A)
1989CH13	Phenomenological model analysis of elastic & inelastic scat. of 180 MeV \bar{p} from nuclei
1989HE21	Microscopic calculation of antiproton elastic scattering on even-even nuclei
1989TA24	Spin & \bar{N} annihilation effects in elastic antiproton-nucleus scattering (Glauber theory)
1990TA31	Elastic scattering & spin effects of antiprotons from nuclei
1991AL02	N- \bar{N} oscillation times estimated from Paris NN potential
1991BA44	Finite-range effects in kaonic and antiprotonic atoms
1991LA02	Geometries of the antiproton-nucleus optical potentials at 180 MeV

Other Topics

Review:

1988HE1G A summary of theoretical discussion regarding hadronic parity violation

Other Articles:

- 1986BE23 Realistic many-body wave functions & nucleon momentum distributions in finite nuclei
- 1986DE11 Nuclear spin-isospin polarizability & the spatial non-locality of the mean field
- 1986IS04 Anomalous absorption of proton partial waves by the optical potential
- 1986KU11 The dynamical origin of nuclear mass number dependence in EMC-effect
- 1986PA23 Methods of in-beam internal-pair spectroscopy applied to nucl. structure investigations
- 1986RO26 Self-organization in nuclei
- 1987AB21 Evid. of subshell closures from binding-ener. systematics & ener. lvls. of dbl. even nucl.
- 1987CH11 Lifetimes of monopole resonances in time-dependent Hartree-Fock theory

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Other Topics – continued	
1987FUZZ	Relativistic RPA calculations of finite nuclei including negative-energy states (A)
1987KR1F	Local scale transform. meth. with > 1 scalar func. for descr. of monopole excits. in nucl.
1988KO23	Information on three-body interactions from inversion of the energy equations
1988TO09	Damping of quadrupole motion in time-dependent density-matrix theory
1988TO1C	Quenching of Gamow-Teller strength
1988ZH1G	Self-consistent calculation of relativistic microscopic optical potential (in Chinese) (A)
1989CEZZ	Composite particle production in intermediate energy nuclear reactions (A)
1989PO05	Isobaric multiplets reconstructed from equidistance rule for separation & decay energies
1989SH13	Continuum RPA with exchange term & appls. to spin-isosp. & longitudinal resp. funcs.
1990BL16	Microscopic approach to the calculation of the vertex constants of neutron cleavage
1990HO24	Relativistic RPA for finite nuclei with Skyrme type interaction
1990ZHZV	Effects of central, spin-orbit & tensor interactions in nuclei (A)
1991UM01	Nuclear Hartree-Fock calculations with splines

Ground State Properties

Review:

1988MA1X Relativistic theory of nuclear matter and finite nuclei

Other Articles:

- 1985SH1A Unified microscopic description of elastic & inel. cross sections of heavy-ion reactions.
- 1986AN08 Nucleon momentum & density distributions in the generator co-ordinate method
- 1986ANZM A multi harmonic oscillator calculation of binding energies & charge radii
- 1986AY01 Effect of higher states on the ground & low-lying excited 0^+ states of ^4He & ^{16}O
- 1986DE33 Correlations in the Sp(1, R) model for the monopole oscillations
- 1986FU1B Relativistic shell model calculations
- 1986GL1A Effects of particle-hole excitations in light nuclei
- 1986HE26 Nuclear single-particle energies as functions of the binding energies for $4 \leq A \leq 90$
- 1986MAZE Form & relative importance of first-order contributions to density distribution of ^{16}O
- 1986PE22 Effects of the Dirac sea on finite nuclei
- 1986QU1A Relativistic self-consistent field calculations for closed-shell nuclei
- 1986SU13 Unitary-model-operators & the ground-state & one-body energies of ^{16}O
- 1986SU16 (1986SU13 cont.) Three-body-cluster effects on properties of ^{16}O
- 1986TO16 Hartree-Fock calculations of nuclear matter saturation density
- 1986YE1A Hartree-Fock calculations with extended Skyrme forces for ^{16}O and ^{40}Ca
- 1987AB03 Measurement & folding-potential analysis of the elastic α -scattering on light nuclei

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Ground State Properties – continued	
1987BL18	Calc. ground & excited states of light $N = Z$ nuclei; also spin-isospin order for excited
1987BL20	Relativistic Hartree-Fock calculations for ^{16}O and ^{40}Ca
1987BO11	Relativistic description of nuclear systems in the Hartree-Fock approximation
1987BO42	Monte Carlo test of the convergence of cluster expansions in Jastrow correlated nuclei
1987CA27	Mean field approach to the momentum distribution
1987ES06	Consistent description of effect of long-range residual interaction on the RMS radius
1987HA37	Excitation of $\Delta(3, 3)$ resonance in compressed finite nuclei (early version of 1987HA42)
1987HA42	Exc. of $\Delta(3, 3)$ resonance in compressed finite nucl. from constrained mean-field method
1987KR1B	Microscopic calc. of model for ^{16}O : 16 nucleons interacting via Malfliet-Tjon potential
1987MA30	Contrib. of particle-particle, hole-hole & particle-hole ring diagrams to binding energies
1987PR03	Self-consistent Hartree descrip. of deformed nuclei in a relativistic quantum field theory
1987SU08	Effects of self-consistent single-particle potential on nuclear effective interaction
1987SU12	Nuclear ground-state properties & nuclear forces in unitary-model-operator approach
1987TZ1A	Particle-particle ring diagrams in ^{16}O & Skyrme effective interactions (A)
1987ZE05	Microscopic estimation of clustering in ^4He , ^{12}C and ^{16}O
1988AL1N	Scaling in electron scattering from a relativistic Fermi gas
1988AN18	Generator coordinate calcs. of nucleon momentum & density dists. in ^4He , ^{16}O & ^{40}Ca
1988BO04	Correlated basis functions theory of light nuclei: general description & ground states
1988DE09	^{15}N ground state studied with elastic electron scattering; also calc. ^{16}O charge density
1988GU03	Charge-density distribution of 1s-1p & 1d-2s shell nuclei & filling numbers of the states
1988HO10	Shell-model with Hartree-Fock condition calc. of giant resnces. & spectroscopic factors
1988KU18	Nuclear structure of ^{16}O in a mean-field boson approach
1988LU1A	Relativistic Hartree calculations of ^{16}O & ^{40}Ca using effective interactions
1988ME09	Three-dimensional, spherically symmetric, saturating model of an N -boson condensate
1988MU04	Dirac-Brueckner-Hartree-Fock approach to finite nuclei
1988RA1G	Clustering phenomena and shell effects in nuclear structure & reactions
1988RU04	Optimal parametrization for the relativistic mean-field model of the nucleus
1988SA03	Thermodynamic coefficients of hot nuclei
1988SO03	Model ground state calculations with two-variable integro-differential equations for ^{16}O
1988VA03	Static moments from a phenomenological interaction
1988WO04	An expansion of the shell-model space for light nuclei
1988YE1A	Calc. charge density distribs. & radii from Hartree-Fock method with Skyrme forces
1989AN10	1- & 2-nucleon momentum distributions in nuclei in coherent density fluctuation model
1989CA04	Quantized meson-exchange picture of nuclear interactions; application to ^{16}O & ^{40}Ca
1989DO04	Kuchta mean-field boson approach used to describe structure of ^{16}O
1989DO05	Relativistic Coulomb sum rules — expansions in moments of nucl. momentum density
1989FI04	Systematic study of potential energy surfaces of light nuclei in relativistic Hartree calcs.

Table 16.12 from (1993TI07): ^{16}O – General (continued)

Reference	Description
Ground State Properties – continued	
1989LE24	Nuclei with diffuse surfaces for future Boltzmann-Uehling-Uhlenbeck calculations
1989LI01	Self-consistent semiclassical calculation of rms radii of spherical nuclei
1989MA41	Descr. of nucleon high-momentum components due to short-range correlations in nuclei
1989MC05	Finite nucleus Dirac mean field theory & RPA using finite B splines for ^{16}O & ^{40}Ca
1989PI1F	Ground state of closed-shell nuclei (A)
1990MU15	Dirac-Brueckner-Hartree-Fock calculation of the ground state properties of ^{16}O
1991BO02	Meson exchange effects on magnetic dipole moments of p-shell nuclei
1991CR1A	Finite velocity meson exchange in nuclei
1991GM02	Relativistic mean-field fit to microscopic results in nuclear matter
1991KO23	Scalar coupling in relativistic mean field theory & properties of nuclei & nuclear matter
1991MA33	Super-RPA ground-state correlations
1991MU04	Effects of correlations on calc. of binding energy & radii of nuclei
1991RA14	Thermal properties of finite nuclei based on a realistic interaction
1991SC26	Meson exchange potentials & the problem of saturation in finite nuclei
1991TO03	Properties of nuclei far from stability & spherical nuclei in relativistic Hartree theory

(A) denotes that only an abstract was available for this reference.