

Table 17.9 from (1993TI07): ^{17}O – General

Reference	Description
Shell model	
1986BO1C	Argument for modification of the accepted values for single-particle energies in ^{17}O
1986ED03	Particle-hole description of dipole states in ^{17}O
1986YA1B	Effective shell-model operators; calculated D-shell splitting
1987BR30	Empirically optimum M1 operator for sd-shell nuclei
1987LI1F	Double delta & surface delta interactions & spectra of O isotopes in the (s-d) shell (A)
1988BR11	Semi-empirical effective interactions for the 1s-0d shell
1988MI1J	Shell model transition densities for electron & pion scattering
1989OR02	Empirical isospin-nonconserving hamiltonians for shell-model calculations
1989WU1C	Contribution of the 2p-1h multiple scattering correlation to spectra of ^{17}O & ^{15}O (A)
1990LI1Q	Contrib. of 2h-1p multiple scat. correl. & self-screening effect to spectra of ^{17}O & ^{15}O
1991SK02	Effective transition operators in the sd shell
1992JA13	Kinetic-energy operator in the effective shell-model interaction applied to ^{16}O & ^{17}O
1992KW01	Clustering of 1p-shell nuclei in the framework of the shell model
1992WA22	Effective interactions for the 0p1s0d nuclear shell-model space
1992ZH07	Magnetic moments & form factors of ^{17}O and ^{41}Ca
Collective and cluster models	
1991LI41	Equilibrium deformation & pairing force calculated for $A = 17 - 29$ nuclei (Nilsson levels)
1992BA50	Vertex constants & the nucleon-nucleon potential in the generator coordinate method
1992JA13	Kinetic-energy operator in the effective shell-model interaction applied to ^{16}O & ^{17}O
1992KW01	Clustering of 1p-shell nuclei in the framework of the shell model
1992NA04	Shell-model operator for K(j)-band splitting in odd- A nuclei
Special states	
1986AN07	Predicted masses and excitation energies in higher isospin multiplets for $9 \leq A \leq 60$
1986BO1C	Argument for modification of the accepted values for single-particle energies in ^{17}O
1986CA27	Quadrupole moments of sd-shell nuclei
1986ED03	Particle-hole description of dipole states in ^{17}O
1987LI1F	Double delta & surface delta interactions & spectra of O isotopes in the (s-d) shell (A)
1988MI1J	Shell model transition densities for electron & pion scattering
1989BA60	Investigation of E1 strength in Coulomb excitation of light nuclei

Table 17.9 from (1993TI07): ^{17}O – General (continued)

Reference	Description
Special states – continued	
1989JI1D	Strength of tensor force and s-d-shell effective interactions
1989OR02	Empirical isospin nonconserving hamiltonians for shell-model calculations
1989WU1C	Contribution of the 2p-1h multiple scattering correlation to the spectra of ^{17}O & ^{15}O (A)
Electromagnetic transitions and giant resonances	
1986CA27	Quadrupole moments of sd-shell nuclei
1986ED03	Particle-hole description of dipole states in ^{17}O
1986TO13	Isvector magnetic quadrupole strengths in ^{17}O ; microscopic 2p-1h model
1987BR30	Empirically optimum M1 operator for sd-shell nuclei
1989BA60	Investigation of E1 strength in Coulomb excitation of light nuclei
1991SK02	Effective transition operators in the sd shell
1992ZU01	Giant dipole resonance in ^{17}O observed with the (γ, p) reaction
Astrophysical questions	
1986LA1C	Chemical composition (including O) of 30 cool carbon stars in the galactic disk
1987DO1A	$^{12}\text{C}/^{13}\text{C}$ & $^{16}\text{O}/^{17}\text{O}$ isotopic ratios in seven evolved stars (types MS, S & SC)
1987HA1D	Oxygen isotopic abundances in 26 evolved Carbon stars
1987MC1A	Oxygen isotopes in refractory stratospheric dust particles: proof of extraterrestrial origin
1987WA1F	Abundances in red giant stars: C & O isotopes in C-rich molecular envelopes
1988DU1B	Spectrophotometry & chemical composition of the O-poor bipolar nebula NGC 6164-5
1989BO01	Accurate energy deter. of 5673-keV state in ^{18}F & implications in ^{17}O nucleosynthesis
1989JI1A	Nucleosynthesis inside thick accretion disks around massive black holes
1989LA19	$^{17}\text{O}(^3\text{He}, d)^{18}\text{F}$ reaction & its implication in ^{17}O destruction in the CNO cycle in stars
1989ME1C	Isotope abundances of solar coronal material derived from solar energetic particle meas.
1990LA1J	Revised reaction rates for H-burning of ^{17}O & oxygen isotopic abundances in red giants
1991PA1C	Extremum problem treatment of C, N & O abundances in late-type star atmospheres (A)
1991SA1F	Extragalactic $^{18}\text{O}/^{17}\text{O}$ ratios imply high-mass stars preferred in starburst systems
Applications	
1989TA1Y	Separation of nitrogen & oxygen isotopes by liquid chromatography

Table 17.9 from (1993TI07): ^{17}O – General (continued)

Reference	Description
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Applications – continued

1992LA08 Ion beam analysis of laser-irradiated borosilicate glass

Complex reactions involving ^{17}O

Review:

1988BE14 Heavy ion excitation of giant resonances

Other Articles:

1986BA13 Electromagnetic decay of giant quadrupole resonances of ^{208}Pb via inelastic ^{17}O scat.

1986MA10 Study of breakup for light neutron rich projectiles (A)

1986ME06 Quasi-elastic, deep-inelastic, quasi-compound nucleus mechanisms from $^{89}\text{Y} + ^{19}\text{F}$

1986SC29 Partition of excitation energy in peripheral heavy-ion reactions

1987BE02 Excitation of the high energy nuclear continuum in ^{208}Pb by 22 MeV/u ^{17}O & ^{32}S

1987LI04 Multistep effects in $^{17}\text{O} + ^{208}\text{Pb}$ near the Coulomb barrier

1987NA01 Linear momentum & angular momentum transfer in $^{154}\text{Sm} + ^{16}\text{O}$

1987RI03 Isotopic distributions of fragments from $^{40}\text{Ar} + ^{68}\text{Ar}$ at $E = 27.6$ MeV/u

1988AN1C Multiple angular scattering of $^{16,17}\text{O}$, ^{40}Ar , ^{86}Kr & ^{100}Mo at 20 – 90 MeV/u

1988BA39 Coulomb excitation of giant resonances in ^{208}Pb by $E = 84$ MeV/u ^{17}O projectiles

1988BE15 γ -decay of isoscalar & isovector giant resonances following heavy ion inelastic scat.

1988BE56 Formation of light nuclei in ^{11}B & ^{20}Ne induced reactions at energies of 18 – 20 MeV/u

1988GA11 Neutron pickup & 4-body processes in reactions of $^{16}\text{O} + ^{197}\text{Au}$ at 26.5 & 32.5 MeV/u

1988HO04 Characterization of GQR in ^{208}Pb as reported from π^-/π^+ vs. $^{16}\text{O}/^{17}\text{O}$ scat.

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

Hypernuclei

1986MO1A The ΛN interaction & structures of the $^{16,17,18}\text{O}$ hypernuclei

1987CO1E Hypernuclear currents in a relativistic mean-field theory

1988IT02 Pi-mesonic decay of hypernuclei & pion wavefunction

1988MA58 Pions in nuclear interior: sensitive test by hypernuclear decay

1989BA93 Production of hypernuclei in relativistic ion beams

1989BA92 Strangeness production by heavy ions

Table 17.9 from (1993TI07): ^{17}O – General (continued)

Reference	Description
Hypernuclei – continued	
1989MA30	Λ -hyperon(s) in the nuclear medium; relativistic mean field theory analysis
1991KO1C	Calculation of low-excited states of $^{13}_{\Lambda}\text{C}$ & $^{17}_{\Lambda}\text{O}$ lambda hypernuclei
Antiproton interactions	
Reviews:	
1987GR1I	Low energy antiproton physics in the early LEAR era
Other Articles:	
1986DU10	Microscopic calculation of antiproton atomic-like bound states in light nuclei
1986KO1E	Search for p-atomic X-rays; observed spin-dependence of p-nucleus interaction (LEAR)
1986RO23	Meas. of the $4f$ strong interaction level width in light antiprotonic atoms (LEAR)
1987GR20	Widths of $4f$ antiprotonic levels in the O region & Dover-Richard potential shell model
1987HA1J	Widths of $4f$ antiprotonic levels in the O region using realistic wavefunctions
1987SP05	Spin & isospin efcts. in a relativ. impulse approx. treatment of p-atom shifts & widths
1992PY1A	High-precision calculations of nuclear quadrupole moments for light nuclei
Ground-state properties	
1986CA27	Quadrupole moments of sd-shell nuclei
1986MC13	Resolution of the magnetic moment problem in relativistic theories
1986TO1A	Weak interaction probes of light nuclei
1986WUZX	Charge dependence of Brueckner's G-matrix & Nolen-Schiffer-Okamoto anomaly (A)
1987AB03	Measurement & folding-potential analysis of the elastic α -scattering on light nuclei
1987BR30	Empirically optimum M1 operator for sd-shell nuclei
1987CH02	Nuclear binding & quark confinement; calculated Nolen-Schiffer anomaly
1987FU06	Nuclear currents in a relativistic mean-field theory
1987IC02	Isoscalar currents & nuclear magnetic moments
1988AR1I	Relativistic & quark contributions to nuclear magnetic moments
1988CH1T	Microscopic calculation of ^{15}O - ^{15}N , ^{17}F - ^{17}O Coulomb displacement energies (A)
1988FU04	Convection currents in nuclei in a relativistic mean-field theory
1988NI05	Nuclear magnetic moments & spin-orbit current in the relativistic mean field theory
1988SH07	Magnetic response of closed-shell ± 1 nuclei in Dirac-Hartree approximation

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Reference	Description
Ground-state properties – continued	
1989CH24	Medium induced magnetization current & nuclear magnetic moments
1989NE02	Magnetic moments of closed-shell ± 1 nuclei in the relativistic shell model
1989SA10	Total cross sections of reactions induced by neutron-rich light nuclei
1990MO36	Meson exchange current corrections to magnetic moments in quantum hadro-dynamics
1991CO12	Wave function effects & the elastic magnetic form factor of ^{17}O
1991HA15	QCD sum rules in a nuclear medium & the Okamoto-Nolen-Schiffer anomaly
1991ZH06	Relativistic Hartree study of deformed sd-shell nuclei
1992MA45	Coulomb displacement energies in relativistic & non-relativistic self-consistent models
1992SU02	Nolen-Schiffer anomaly of mirror nucl: effects of valence nucleon orbits & CSB
1992ZH07	Magnetic moments & form factors of ^{17}O & ^{41}Ca