

Table 20.1 from (1998TI06): ^{20}O – General

Reference	Description
Models	
1987BL18	Gogny's effective inter. used to calc. gnd. & excited states of specific spin-isospin order
1987CH1J	Nucl. struc. calcs. using mixed-config. shell model: effective & surface δ -interactions
1987CO31	Simple parametrization for low energy octupole modes of sd-shell nuclei
1987KR08	Discontinuity in ground state band plot of even-even nuclei is traced to p-n interaction
1987LI1F	Double delta & surface delta interactions used to calc. low-lying spectra of $^{17-22}\text{O}$
1988BR11	Semi-empirical effective interactions for the 1s-0d shell
1988HI05	Effect on GT strength of config. mixing and p-n correl. in even-even sd-shell nucl.
1990SK04	$A = 18$ nuclei, effective interaction in the sd shell (also calc. $A = 20$ energy spectra)
1990ZH01	Nuclear structure studies of double Gamow-Teller and double beta decay strength
1991MA41	Finite nuclei calculations with realistic potential models (Bonn, Paris, Argonne)
1991WA11	Composite particle representation theory calcs. for $A = 20$ states compared to shell model
1992JI04	Bonn potential used to evaluate energy spectra of some light sd-shell nuclei
1993AM08	6p-2h core excitations in ^{20}O
1993PO11	Shell-model calcs. of several properties of exotic light nuclei ($A = 4-30$)
Complex reactions	
Review:	
1988JO1B	Exp. & theor. liquid drop & microscopic study of heavy ion radioactivity
Other articles:	
1987MU03	Evaporation model calc. of the emission of clusters by excited compound nuclei
1988BL11	Systematics of cluster-radioact.-decay constants from microscop. calcs. compared to data
1988IV02	Microscopic approach to the rates of radioactive decay by emission of heavy clusters
1989SA10	Total cross sections of reactions induced by neutron-rich light nuclei
1990GU02	Particle stability of O & Ne isotopes in the reaction 44 MeV/nucleon $^{48}\text{Ca} + \text{Ta}$
Other topics	
Reviews:	
1989RA16	Predxns. from systematics & tabulation of $B(E2; 0_1^+ \rightarrow 2_1^+)$ values for even-even nucl.
1989SP01	Reduced electric-octupole transition probabilities, $B(E3; 0_1^+ \rightarrow 3_1^-)$, for even-even nucl.
1990TH1E	Summary of topics presented at Workshop on Primordial Nucleosynthesis
Other articles:	
1987LI1F	Double delta & surface delta interactions used to calc. low-lying spectra of $^{17-22}\text{O}$
1990ZH01	Nuclear structure studies of double Gamow-Teller and double beta decay strength
Ground state properties	
Review:	
1989RA17	Compilation of exp. data on nuclear moments for ground & excited states of nucl.
Other articles:	
1987BL18	Gogny's-plus-tensor inter. for gnd. & excited states with specific spin-isospin order
1989SA10	Total cross sections of reactions induced by neutron-rich light nuclei
1990LO11	Self-consistent calcs. of light neutron-rich nuclei using density-functional method

Table 20.1 from (98TI06): ^{20}O – General (continued)

Reference	Description
Ground state properties – continued	
1993PA14	Relativistic mean field theory; calc. binding energy, rms radii, deformation parameters
1993PA19	Continuation of 93PA14: effects of pairing correlations
1994CI02	Nuclear SU3 scheme used to calc. specific heat and shape transitions in light sd nuclei
1996GR21	Bulk prop. of light deformed nucl. derived from medium-modified meson-exchange interaction
1996KR1A	Nucl. matter radii calc. for $A = 20$ nucl.; evidence found for proton & neutron skins