

Table 20.4 from (1998TI06): ^{20}F – General

Reference	Description
Model calculations	
1988BR11	Semi-empirical effective interactions for the 1s-0d shell
1988ET01	Analysis of magnetic dipole transitions between sd-shell states
1990DE34	^{20}F & ^{20}Na nuclei and the $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$ reaction in a microscopic three-cluster model
1990SH12	Extreme collective limits for the magnetic moments of odd-odd nuclei
1990SK04	$A = 18$ nuclei, effective interaction in the sd shell (also calc. $A = 20$ energy spectra)
1991BO45	Democratic mapping used to calc. low-lying states of sd- and fp-shell nuclei
1991MA41	Calculations of sd-shell nuclei with realistic potential models (Bonn, Paris, Argonne)
1991PI09	Differential cross section data analyzed using microscopic model; ^{20}F levels deduced
1991WA11	Composite Particle Representation Theory calcs. for $A = 20$ states compared to shell model
1992BE14	Nuclear level densities and spin cut-off factors deduced from microscopic theory
1992JI04	Bonn potential used to evaluate energy spectra of some light sd-shell nuclei using G-matrix
1992WA22	Effective interactions for the 0p1s0d nuclear shell-model space
1993PO11	Shell-model calcs. of properties of exotic (and normal) light nuclei ($A = 4-30$)
1995BE54	sd-shell study with multiconfiguration mixing approach for large scale nucl. struc. calcs.
1996GO38	Calc. low nucl. excitations using method of successive addition of nucleons
1996RA04	Large-basis (1s0d and 0f1p) shell-model calcs.
Special States	
1990DE34	^{20}F & ^{20}Na nuclei and the $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$ reaction; a possible 1^- state in ^{20}Na , ^{20}F
1993BR12	Nature of the ^{20}Na 2646-keV level and the stellar reaction rate for $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$
1996RA04	Spin and parity of the ^{20}F 3172-keV level
Electromagnetic transitions	
Review:	
1993EN03	Strengths of γ -ray transitions in $A = 5-44$ nuclei
1996RA04	Meas. & calc. lifetimes of excited states in ^{20}F
Other articles:	
1988ET01	Analysis of magnetic dipole transitions between sd-shell states
1990DE34	^{20}F & ^{20}Na nuclei and the $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$ reaction in a microscopic three-cluster model
Astrophysics	
Review:	
1988AP1A	Neutrino diffusion, primordial nucleosynthesis and the r-process
1990TH1E	Summary of topics presented at Workshop on Primordial Nucleosynthesis

Table 20.4 from (1998TI06): ^{20}F – General (continued)

Reference	Description
Astrophysics (continued)	
1993SO13	Methods for producing unstable nuclei & their relevance to major explosive stellar processes
Other articles:	
1990MA1Z	Nuclear reaction uncertainties in standard and non-standard cosmologies
1992CA1J	Quasi-static evolution of ONeMg cores, explosive ignition densities & collapse explosion
1993BR12	Nature of the ^{20}Na 2646-keV level and the stellar reaction rate for $^{19}\text{Ne}(p, \gamma)^{20}\text{Na}$
1996RA04	Spin and parity of the ^{20}F 3172-keV level
Complex reactions	
1987BA1T	Spin-isospin excitations in nuclei with relativistic heavy ions
1987BU07	Projectile-like fragments from $^{20}\text{Ne} + ^{197}\text{Au}$ — counting simultaneously emitted neutrons
1987EL14	Isovector excitations in nuclei with composite projectiles: (^3He , t), (d, ^2He) & heavy ions
1987MU03	Study of the emission of clusters by excited compound nuclei
1989SA10	Total cross sections of reactions induced by neutron-rich light nuclei
1989YO02	Quasi-elastic & deep inelastic transfer in $^{16}\text{O} + ^{197}\text{Au}$ for $E < 10$ MeV/u
Other topics	
1988RO19	Predictions for observation of $^{20}\text{F}(\Lambda)$ levels using $^{20}\text{Ne}(\gamma, \text{K}^+)$ reaction
1989GE10	Threshold pion-nucleus amplitudes as predicted by current algebra
1990DE45	Searches for admixture of massive neutrinos into the electron flavour
1993NA08	Charge-symmetry-breaking N-N interaction in 1s0d-shell nucl. from $\rho^0-\omega$ and $\pi^0-\eta$ mixing
1994GO49	Shell effects in systematization of cross sections for (n, α) reactions on 14 MeV neutrons
Ground state properties	
Review:	
1989RA17	Compilation of exp. data on nuclear moments for ground & excited states of nuclei
1992PY1A	Nuclear quadrupole moments for $Z = 1-20$: precise calcs. on atoms & small molecules
Other articles:	
1989SA10	Total cross sections of reactions induced by neutron-rich light nuclei
1990SH12	Extreme collective limits for the magnetic moments of odd-odd nuclei
1993RO22	Determination of k_0 - and Q_0 -factors of short-lived nuclides
1996KR1A	Nucl. matter radii calc. for $A = 20$ nucl.; evidence found for proton & neutron skins