

${}^9\text{Be(p,d)}$, ${}^9\text{Be(p,np)}$ 2004Ti06

Type	Author	History	Citation	Literature Cutoff Date
Update	J. H. Kelley, J. L. Godwin, C. G. Sheu		ENSDF	31-Mar-2004

- 1966La20: ${}^9\text{Be(p,d)}$ E=7.0,8.0,9.0 MeV, measured $\sigma(E, E_d), \sigma(E, E_\alpha)$. ${}^8\text{Be}$ deduced level, Γ -level.
- 1968Le01: ${}^9\text{Be(p,d)}$ E=100 MeV, measured $\sigma(E_d, \theta)$. ${}^8\text{Be}$ deduced levels, relative S.
- 1969Ba05: ${}^9\text{Be(p,d)}$ E=155.6 MeV, measured $\sigma(E_d, \theta)$. ${}^8\text{Be}$ deduced levels, J, π , L, S.
- 1969Co06: ${}^9\text{Be(p,pn)}$ E=12, 17 MeV, measured $\sigma(E, \theta)$.
- 1969Su02: ${}^9\text{Be(p,d)}$ E=185 MeV, measured $\sigma(E_d, \theta)$. ${}^8\text{Be}$ deduced levels, L_N , S.
- 1971Be52: ${}^9\text{Be(p,d)}$ E=3.8 MeV, measured $\sigma(E_d)$. ${}^8\text{Be}$ deduced variations In ghost anomaly.
- 1971Sc26: ${}^9\text{Be(p,d)}$ E=46,100 MeV. Analyzed $\sigma(\theta)$. ${}^8\text{Be}$ levels deduced S. DWBA, local-energy approximation.
- 1972Hu03: ${}^9\text{Be(p,d}_0)$ E=5,6,7,8,9,10,11 MeV, measured $\sigma(\theta)$. ${}^8\text{Be}$ deduced S.
- 1974Mi05: ${}^9\text{Be(p,pn)}$ E=46 MeV, measured $\sigma(E_p, \theta)$.
- 1974Wi21: ${}^9\text{Be(p,d)}$ E=6.5-9.5 MeV, measured $\sigma(E, E_p, \theta)$, $\sigma(E, E_d, \theta)$.
- 1975Ch42: ${}^9\text{Be(p,pn)}$ E=5.5 MeV, measured σ .
- 1976Ba67: ${}^9\text{Be(p,d)}$ E=39.91 MeV, measured $\sigma(\theta)$. Deduced anomaly.
- 1976Da15: ${}^9\text{Be(pol. p,d)}$ E=15 MeV, measured $\sigma(\theta)$, $A_Y(\text{THETA})$. ${}^8\text{Be}$ levels deduced S, Γ , J-admixtures.
- 1977Gu14: ${}^9\text{Be(p,d)}$ E=17.7 MeV, measured $\sigma(E_d, \theta)$.
- 1977Wa05: ${}^9\text{Be(p,pn)}$ E=45, 47 MeV, measured excitation energy, energy sharing spectra.
- 1978Je01: ${}^9\text{Be(p,pn)}$ E=10-24 MeV, measured $\sigma(E_p, \theta_p, \theta_N)$ In kinematically complete geometry. Deduced reaction mechanism.
- 1981Ov02: ${}^9\text{Be(p,d)}$ E=33 MeV, measured $\sigma(E_d)$. ${}^8\text{Be}$ resonances deduced Γ , α -reduced widths.
- 1984Wa21: ${}^9\text{Be(pol. p,pn)}$ E=148.8 MeV, measured separation energy spectra, $\sigma(E_p, \theta_p, \theta_N)$, analyzing powers. ${}^8\text{Be}$ deduced tentative deep-hole neutron states.
- 1984Za07: ${}^9\text{Be(p,d)}$ E=50,72 MeV, measured $\sigma(\theta)$. Deduced reaction mechanism. ${}^8\text{Be}$ levels deduced S.
- 1985Be30: ${}^9\text{Be(p,np)}$ E=1 GeV, measured $\sigma(E_{p1}), \sigma(E_N)$. Deduced proton, neutron space distribution role.
- 1985Pu03: ${}^9\text{Be(p,d)}$ E=9 MeV. Analyzed breakup $\sigma(\theta_{\alpha_1}, \theta_{\alpha_2}, E_{\alpha_1})$. ${}^8\text{Be}$ deduced resonances, Γ .
- 1987Go27: ${}^9\text{Be(p,d)}$ E=18.6 MeV. Analyzed $\sigma(\theta)$. Deduced model parameters. ${}^8\text{Be}$ levels deduced spectroscopic factors.
- 1987Ka25: ${}^9\text{Be(pol. p,d)}$ E=60 MeV, measured inclusive spectra, analyzing power vs. θ . Deduced continuum final state matrix element amplitudes.
- 1992Ko26: ${}^9\text{Be(p,d)}$ E=9 MeV. Analyzed data. Deduced two-cluster system resonance parameter variation features.
- 1997Za06: ${}^9\text{Be(p,d)}$ E=16-390 keV, measured astrophysical S-factor, $\sigma(\theta)$.
- 1998Br10: ${}^9\text{Be(pol. p,d)}$ E=77-321 keV, measured $\sigma(\theta)$, $A_Y(\text{THETA})$. Deduced reaction mechanism.
- 2000Sh01: ${}^9\text{Be(p,np)}$ E=70 MeV, measured proton spectra, neutron spectra, pp-, pn-coin, $\sigma(E, \theta)$. ${}^8\text{Be}$ deduced radius.
- 2001Ba47: ${}^9\text{Be(p,d)}$ E=16-700 keV. Analyzed σ , $\sigma(\theta)$, astrophysical S-factor, analyzing powers. Deduced R-matrix parameters.

 ${}^8\text{Be Levels}$

E(level)	$T_{1/2}$	Comments
0.0	5.5 eV <i>13</i>	
3038 25	1.50 MeV <i>2</i>	
11.3×10^3 3	5.2 MeV <i>1</i>	E(level): from (1969Su02). Γ : from (1981Be53).
16.6×10^3		
16.9×10^3		
17.6×10^3		
18.2×10^3		
19.1×10^3		
19.21×10^3	208 keV <i>30</i>	
19.4×10^3		
22.05×10^3		