

${}^9\text{Be}(\gamma,p),(\gamma,d),(\gamma,t)$ 1966De13,1988Aj01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu, J. L. Godwin, et al.		NP A745 155 (2004)	31-Mar-2004

- 1965Ko08: ${}^9\text{Be}(\gamma,p), (\gamma,d)$ $E \leq 35$ MeV, measured $\sigma(E, E_p, \theta_p)$, $\sigma(P)$, $\sigma(d)$. ${}^9\text{Be}$ deduced charge-distribution radius.
- 1968Ad09: ${}^9\text{Be}(\gamma,p), (\gamma,d), (\gamma,t)$ $E < 28$ MeV, measured $\sigma(E, E_p, E_d, E_t)$. ${}^9\text{Be}$ deduced resonances.
- 1973Do13: ${}^9\text{Be}(\gamma,p)$ $E = 400$ MeV, measured $\sigma(E_p, \theta)$.
- 1974Go04: ${}^9\text{Be}(\gamma,p)$ $E < 400$ MeV, measured $\sigma(E)$. Deduced cluster structure.
- 1982Av06: ${}^9\text{Be}(\text{pol. } \gamma, P)$ $E = 0.69, 1.40, 1.95, 4.46$ GeV, measured asymmetry, $\sigma(\text{invariant})$. Deduced parameter dependence on mass.
- 1984Ba09: ${}^9\text{Be}(\gamma,p)$ $E = 360-600$ MeV, measured $\sigma(E_p, \theta)$. Deduced reaction mechanism. Intranuclear cascade calculation.
- 1984Su11: ${}^9\text{Be}(\gamma,p), (\gamma,np)$ $E = 300-700$ MeV, measured $\sigma(\theta)$ vs proton momentum.
- 1985Ho27: ${}^9\text{Be}(\gamma,p)$ $E \approx 200-400$ MeV, compiled $\sigma(\theta)$ data. Deduced photon absorption spectrum.
- 1987Ka13: ${}^9\text{Be}(\gamma,p), (\gamma,np)$ $E = 187-427$ MeV, measured $\sigma(E, E_p)$, $\sigma(E, E_p, E_N)$, momentum, separation energy distributions, $\sigma(\theta)$. Deduced reaction mechanism.
- 1999Sh05: ${}^9\text{Be}(\gamma,p)$ $E = 21-39$ MeV, measured $\sigma(E, \theta)$.
- 1984Ho09: ${}^9\text{Be}(\gamma,np)$ $E = 187-427$ MeV, measured $np(\theta)$, $pp(\theta)$, two-nucleon system momentum distribution. Deduced reaction mechanism, quasifree deuteron momentum distribution, separation energy.
- 1971An15: ${}^9\text{Be}(\gamma,d)$ $E < 620$ MeV, measured $\sigma(E_d, \theta)$.
- 1972An09: ${}^9\text{Be}(\gamma,d), (\gamma,t)$ $E < 1.2$ GeV, measured $\sigma(E, \theta)$.
- 1986Ba07: ${}^9\text{Be}(\gamma,d), (\gamma,t)$ $E = 300-600$ MeV, measured particle momentum spectra.
- 1999Sh05: ${}^9\text{Be}(\gamma,d), (\gamma,t)$ $E = 21-39$ MeV, measured $\sigma(E, \theta)$.

 ${}^9\text{Be}$ Levels

E(level)	Comments
18.2×10^3 2	E(level): from (1966De13).
19.1×10^3 2	E(level): from (1966De13).
21.0×10^3 2	E(level): from (1966De13).
22.0×10^3 2	E(level): from (1966De13).
23.4×10^3 2	E(level): from (1966De13). Also ≈ 23 MeV (1962Cl06).
24.5×10^3 2	E(level): from (1966De13).
26.0×10^3 2	E(level): from ${}^9\text{Be}(\gamma,p),(\gamma,d),(\gamma,t)$ In (1966De13).
27.7×10^3 3	E(level): from (1966De13).
28.7×10^3 3	E(level): from (1966De13).
29.7×10^3 3	E(level): from (1966De13).
32.2×10^3 3	E(level): from ${}^9\text{Be}(\gamma,p),(\gamma,d),(\gamma,t)$ In (1966De13).