
 ${}^7\text{Li}(\pi^+, \pi^{+'}), (\pi^-, \pi^{-'})$ **2002Ti10**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Hu, Tilley, Kelley, Godwin et al.		NP A708,3 (2002)	23-Aug-2001

- 1978Dy01:** ${}^7\text{Li}(\pi^+, \pi^+)$ E=50 MeV, measured $\sigma(\theta)$, deduced isotopic effects. Optical model analysis.
- 1979Na04:** $\text{Li}(\pi^+, \pi^+), (\pi^-, \pi^-), (\pi^+, \text{X}), (\pi^-, \text{X})$ E=125 MeV, measured $\sigma(\theta)$, deduced absorption σ , natural target.
- 1981As07:** $\text{Li}(\pi^+, \pi^{+'}), (\pi^+, \text{X})$ E=85-315 MeV; $\text{Li}(\pi^-, \pi^{-'}), (\pi^-, \text{X})$ E=125, 165 MeV, measured $\sigma(\theta)$, deduced $\sigma(\text{absorption})$, reaction mechanism, natural target.
- 1982Gi01:** ${}^7\text{Li}(\pi^+, \pi^+), (\pi^+, \pi^{+'}), (\pi^-, \pi^-), (\pi^-, \pi^{-'})$ E=143 MeV, measured $\sigma(\theta)$, $\sigma(E_\pi)$. ${}^7\text{Li}$ deduced neutron, proton radii, deformations.
- 1990Ch03:** ${}^7\text{Li}(\pi, \pi')$ $P_\pi=800$ MeV/c, measured $\sigma(\theta=15^\circ)$ for first excited state (478-keV).
- 1994Me01:** ${}^7\text{Li}(\pi^+, \pi^+)$ E=134, 164, 194 MeV, measured inclusive analyzing powers $iT_{11}(\text{THETA})$, $\sigma(\theta)$.

 ${}^7\text{Li}$ Levels

E(level)
0
0.48×10^3
4.63×10^3
6.68×10^3
7.46×10^3
9.67×10^3