

${}^6\text{Li}(\pi^+, \pi^+)$, ${}^6\text{Li}(\pi^-, \pi^-)$ 2002Ti10,1984Ki16

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

1978Dy01: ${}^6\text{Li}(\pi^+, \pi^+)$ E=50 MeV, measured $\sigma(\theta)$, deduced isotopic effects.

1984Ki16: ${}^6\text{Li}(\pi^+, \pi^+), (\pi^+, \pi^+)$ E=100-260 MeV, measured $\sigma(\theta)$. ${}^6\text{Li}$ levels deduced.

1986An04: ${}^6\text{Li}(\pi^+, \pi^+), (\pi^+, \pi^+), (\pi^-, \pi^-), (\pi^-, \pi^-)$ E=100, 180, 240 MeV, measured $\sigma(\theta)$.

1989Ta21: ${}^6\text{Li}(\pi^+, \pi^+), (\pi^+, \pi^+)$ E=134, 164 MeV, measured $\sigma(\theta)$, vector, tensor analyzing power vs. θ . Polarized targets.

1990OaZY: ${}^6\text{Li}(\pi^+, \pi^+)$ E=40-65 MeV, measured $\sigma(E(\pi))$, $\sigma(\theta)$.

1991Ri01: ${}^6\text{Li}(\pi^+, \pi^+), (\pi^+, \pi^+)$ E=100-219 MeV, measured $\sigma(\theta)$.

1994Ri06: ${}^6\text{Li}(\pi^+, \pi^+), (\pi^+, \pi^+)$ E=120-194 MeV, measured $\sigma(\theta)$, $iT_{11}(\text{THETA})$, $T_{22}(\text{THETA})$, $T_{20}(\text{THETA})$. Polarized target.

2001Fu14: ${}^6\text{Li}(\pi^-, \pi^-), (\pi^-, \pi^-)$ E At 950 MeV/c, measured $\sigma(E)$, $\sigma(\theta)$, deduced σ vs. Momentum transfer, shift of quasielastic peak.

 ${}^6\text{Li}$ Levels

E(level)	J^π
0	1 ⁺
2.19×10^3	3 ⁺
3.56×10^3	0 ⁺
4.25×10^3	2 ⁺