

²⁰⁶Pb(π,π')

1992Ho08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 201,346 (2025)	21-Jan-2025

Target: 99.86% enriched ²⁰⁶Pb. Projectiles: π^- , π^+ , E=180 MeV. Measured scattered π^- at eight angles between $\theta=14^\circ$ and 48° ; π^+ at seven angles between $\theta=18^\circ$ and 42° . Determined differential cross-sections and level excitation probabilities. Detector: magnetic spectrometer, FWHM $\approx$ 120 keV.

²⁰⁶Pb Levels

E(level)	J $\pi^\dagger$	Comments
0	0 ⁺	
803	2 ⁺	B(E2) $\uparrow$ =0.090 13.
2647	3 ⁻	B(E3) $\uparrow$ =0.62 9.
4111	2 ⁺	B(E2) $\uparrow$ =0.19 3.

† From 1992Ho08.