^{96}**Zr(p,t)**   **1971Ba43**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 107, 2423 (2006)	1-Jan-2006

^{94}Zr Levels

E=38 MeV. Enriched target. Magnetic spectrograph, FWHM=25 keV. Measured E, angular distribution.

E(level)	L[†]	S[‡]
0	0	2.0
920 5	2	0.9
1295 5	0	0.1
1469 5	4	0.8
1671 5	2	0.08
2060 5	3	0.05[#]
2152 5	2	0.05
2371 5	2	0.02
2603 5	5	0.5[@]

[†] From DWBA.

[‡] Enhancement factor (similar to spectroscopic factor) to relate σ(exp) to σ(DWBA). See 1971Ba43 for exact definition. Absolute cross sections are estimated to be accurate to about 10%. If not noted otherwise, the configuration=$(\nu\ d_{5/2})^6_0$ to configuration=$(\nu\ d_{5/2})^4_J$ was assumed.

[#] If the configuration changes from configuration=$((\nu\ p_{3/2})^4_0(\nu\ d_{5/2})^6_0)0^+$ to configuration=$((\nu\ p_{3/2})^3_{3/2}(\nu\ d_{5/2})^5_{5/2})3^-$. for configuration=$((\nu\ d_{5/2})^4_0(\nu\ h_{11/2})^2_0)0^+$ to configuration=$((\nu\ d_{5/2})^3_{5/2}(\nu\ h_{11/2}))3^-$.

[@] If configuration=$((\nu\ d_{5/2})^4_0(\nu\ h_{11/2})^2_0)0^+$ to configuration=$((\nu\ d_{5/2})^3_{5/2}(\nu\ h_{11/2}))3^-$.