

${}^{96}\text{Ru}({}^{16}\text{O}, {}^{14}\text{C})$ [1982Th01,1984Pi11](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh		NDS 164, 1 (2020)	15-Feb-2020

[1982Th01,1984Pi11](#): E=70 MeV ${}^{16}\text{O}$ beam was produced from the BNL MP Tandem Van de Graaff. Target was 98% enriched ${}^{96}\text{Ru}$. Reaction products were momentum-analyzed with the Q3D spectrometer and detected with ΔE and E proportional counters. Measured particle spectrum. Deduced levels, mass of ${}^{98}\text{Pd}$. [1984Pi11](#) report data of ${}^{98}\text{Pd}$ mainly from ${}^{70}\text{Ge}({}^{32}\text{S}, 2p2n\gamma)$.

 ${}^{98}\text{Pd}$ Levels

<u>E(level)[†]</u>	<u>J^π[‡]</u>	<u>E(level)[†]</u>	<u>E(level)[†]</u>	<u>E(level)[†]</u>
0	0 ⁺	2242 17	3221? 17	4079? 17
860 17	2 ⁺	2561 17	3425 17	4343 17
1521 17	4 ⁺	2792 17	3872 17	

[†] From Fig.4 of [1984Pi11](#), as quoted from but not reported in [1982Th01](#). Main experiment reported in [1982Th01](#).

[‡] From Adopted Levels.