U(p,X):radius 2011Co01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 133, 221 (2016)	1-Dec-2015

^{198}Po nuclide produced in spallation reaction using UC_x target and 1.4 GeV proton beam at CERN-ISOLDE facility. Resonant ionization laser spectroscopy. Measured isotope shifts and deduced rms nuclear charge radius relative to that of ^{210}Po.

^{198}Po Levels

E(level)†	Jπ†	Comments
0	0^+	$\delta\langle r^2\rangle(^{198}Po,^{210}Po)=-0.619$ fm^2 *12*(stat) *13*(syst) (2011Co01). $\delta\nu(^{198}Po,^{210}Po)=+7.57$ GHz *17* (2011Co01).

† From Adopted Levels.