

Th(P; ${}^{20}\text{C}$) 1988Wo09

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	M. S. Narijauskas, J. H. Kelley, C. G. Sheu		ENSDF	9-June-2017

[1988Wo09](#): Mass measurements of several neutron-rich light nuclei were carried out using an improved fitting technique for deducing nuclear mass values from measurements of time-of-flight (ToF) through the LANL/TOFI spectrometer; the ToF through the spectrometer depends on the mass-to-charge ratio and is independent of ion velocity.

The rare isotope species were produced by proton spallation reactions on a Th target. Typical flight times of 500 ns, with timing uncertainties near 180 ps yielded typical mass-to-charge resolutions of 3.6×10^{-4} from analysis of multiple runs that involved multiple charge states.

A mass excess of 37.6 MeV 22 was deduced.

 ${}^{20}\text{C}$ Levels

E(level)

0