The **nuc** package, v0.1

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`nuc.sty` is provided by Neal Davis (davis68@illinois.edu). This package provides automatic notation for nuclear isotopes. Isotopes which have Z with more digits than A require special spacing to appear properly. nuc.sty is released under the LaTeX Project Public License.

This is an early draft (v0.1) of this package.

It is invoked in the usual way, `\usepackagenuc` and each element and isotope is indicated by `\(element name){(element weight)}`. For instance, `\Pa{231}` produces $^{231}_{91}$Pa; `\O{18}` produces $^{18}_{8}$O; and `\H{3}` produces $^{3}_{1}$H. This of necessity overrides the basic LaTeX commands `\H`, `\O`, `\P`, `\S`, `\Pr`, and `\Re`.

It appears that under certain circumstances, may be required prior to invoking the element (i.e., `\protect\Fe{56}`).

All elements are supported, with additional support for deprecated atomic symbols such as $^{93}_{41}$Cb (columbium, now niobium) and $^{263}_{104}$Ku (kurchatovium, now rutherfordium).

This package does not currently support omission of the atomic number subscript, although that is planned for the next version.

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