

Formatting Instructions for Nuclear Physics Review

Author 1¹, Author 2^{1,2}, Author 3¹

(1. Author 1's affiliation, City name Zip code, Country;

2. Author 2's affiliation, City name Zip code, Country)

Abstract: The abstract should contain the essence of the article and the results obtained.

Key words: three to five key words should be provided.

PACS: 29.20.-c,29.20.Dh,29.27.-a **DOI:** [10.11804/NuclPhysRev.32.02.1](https://doi.org/10.11804/NuclPhysRev.32.02.1)

1 Paper format

PBT2024 participants can prepare the manuscript in LaTeX format and Word format with PBT2024 NPR templates. The LaTeX format is preferred. The contribution to PBT2024 proceedings is about 6 journal pages. If necessary, special request of additional pages can be put forward and consulted with the LOC team and NPR Editorial Office. The PBT2024 proceedings will contain the talks in all sessions of PBT2024 scientific program. The paper should be with chronically numbered figures, tables and references. Abstract and 3–5 Key words are required, followed by the PACS number (**PACS**).

The following information should appear in the footnote of the first page: **Foundation item**, **Biography** and **Corresponding author** in the format as

(1) **Foundation item:** The sponsorship with the grant number or contract number.

(2) **Biography:** Name (Year of Birth–), male/female (Nationality), Place of birth, Degree/Title, Research field; E-mail address.

(3) **Corresponding author:** Name, E-mail address. *The item can be neglected if the corresponding author is the first author of the paper.*

Note that TeX Live 2017 distribution or later version is required to compile the document and the XeLaTeX engine is required.

2 Mathematical Symbols

The unicode-math package is loaded to process the fonts of all mathematical symbols to follow the ISO 80000-2:2019 standard which is different from the traditional TeX style in the following ways:

1. Uppercase Greek letters are italic by default (e.g., Δ : Δ).
2. The `\increment` command should be used for finite increment Δ (U+2206).
3. Vectors, matrices, and tensors are denoted by bold italic symbols with `\symbf` (e.g., \mathbf{A} : \mathbf{A} ; α : α).
4. Mathematical constants are printed in upright form with `\symup` (e.g., $\pi = 3.14 \dots$; $e = 2.718 \dots$).
5. The integral and differential operators are in upright type (e.g., $\int f(x) dx$).

See the [unicode-math](#) documentation and [unimath-symbols](#) for more details.

Note that the unicode-math package is *incompatible* with `amsfonts`, `amssymb`, `bm`, `mathrsfs`, `upgreek`, etc. Some of their commands (e.g., `\bm`, `\mathsrc`, `\uppi`) are processed by the template so that they can be used directly without loading the package.

The `siunitx` package is recommended for formatting quantities and units (e.g., $6.4 \times 10^6 \text{ m}$, $9 \mu\text{m}$, $\text{kg} \cdot \text{m} \cdot \text{s}^{-1}$, $10 \text{ to } 20^\circ\text{C}$).

3 Figures

Figures must be numbered and be referred to in the text. Each figure with a separate caption should be placed in an appropriate place. Axes of figures must be labeled properly. In addition, in order to be convenient for the NPR editorial

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Biography: Name (Year of BirthD), male/female (Nationality), Place of birth, Degree/Title, Research field ; E-mail: xxx@xxx.xxx

Corresponding author: E-mail: xxx@xxx.xxx

office to edit the figures, please supply us the original (data) files, such as the *.OPJ, *.DWG, *.CDR format etc. if the figures are drawn with the softwares of **Origin**, **CorelDraw**, **AUTOCAD** and so on. Otherwise the high resolution original figures in TIF, EPS, JPG, BMP formats etc. should be sent as the attachment files together with your submission manuscript to NPR.

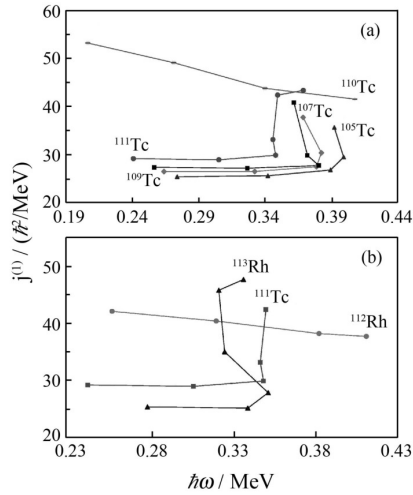


Fig. 1 (a) $J(1)s$ plotted against rotational frequency for the ground-state bands of the even-N Tc isotopes. Those of the odd-N ^{110}Tc are also shown. (b) The same as (a) but for the N=68 isotones ^{113}Rh and ^{111}Tc . $J(1)$ of the odd-N ^{112}Rh is also shown.

4 Tables

Each table should have a number and a title and should be inserted into an appropriate place. The table should be written in a three-line form. For example:

Table 1 The comparison of $Y(2175)$, $Y(4260)$ and $Y(10870)$ and the corresponding hybrid explanation.

states	$Y(2175)$	$Y(4260)$	$Y(10850)$
quantum number	1^{--}	1^{--}	1^{--}
Decay channel	$\phi\pi^+\pi^-$	$J/\psi\pi^+\pi^-$	$Y(1S, 2S)\pi^+\pi^-$
Hybrid explanation	$s\bar{s}g$	$c\bar{c}g$	$b\bar{b}g$

5 References

Citations are made with the `\cite` command with the help of natbib package^[1-8]. The bibliography is easily generated with BibTeX with `npr.bst` stylef

```
.
\bibliographystyle{npr}
\bibliography{bibfile}
```

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