



# Comment on: Spectroscopy of super heavy elements with GABRIELA

F. B. Heßberger<sup>1,2,a</sup>

<sup>1</sup> GSI-Helmholtzzentrum für Schwerionenforschung GmbH, 64291 Darmstadt, Germany

<sup>2</sup> Helmholtz-Institut Mainz, 55099 Mainz, Germany

Received: 4 October 2022 / Accepted: 12 October 2022

© The Author(s) 2022

Communicated by Nicolas Alamanos

In a recent paper Lopez-Martens et al. [1] claimed to have discovered the K isomer  $^{253m2}\text{No}$ . Indeed, first identification (‘discovery’) was done independently at the VASSILISSA separator at FLNR, JINR, Dubna, Russia [2] (received 2 March 2007, published online: 12 June 2007) and at the velocity filter SHIP at GSI, Darmstadt, Germany [3]. The SHIP results were first time presented at ‘The International Conference on Nuclear Structure and Related Topics, Dubna, Russia, 13–17 June 2006 and reported in the conference proceedings [3] (received 31 October 2006, published in August 2007).

**Funding Information** Open Access funding enabled and organized by Projekt DEAL.

**Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article’s Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article’s Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

## References

1. A. Lopez-Martens et al., Eur. Phys. J. A **58**, 134 (2022)
2. A. Lopez-Martens et al., Eur. Phys. J. A **32**, 245 (2007)
3. F.P. Heßberger, Phys. At. Nucl. **70**, 1445 (2007)

The original article can be found online at <https://doi.org/10.1140/epja/s10050-022-00787-7>.

<sup>a</sup> e-mail: [F.P.Hessberger@gsi.de](mailto:F.P.Hessberger@gsi.de) (corresponding author)