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| Book Name: | [Current Research Progress in Physical Science](https://www.bookpi.org/bookstore/product/current-research-progress-in-physical-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4601** |
| Title of the Manuscript:  | **Shot-noise-limited optical polarimetry with spin-alignment and magnetism decoupling** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Results in Physics, Volume 65, October 2024, 107960.**

[**https://doi.org/10.1016/j.rinp.2024.107960**](https://doi.org/10.1016/j.rinp.2024.107960)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** |  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The title is appropriate.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract is well-structured and provides a comprehensive summary of the study.** **However, it would be beneficial to include a brief mention of the potential applications of the findings to strengthen its impact.****A final sentence may improve clarity.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **The manuscript is scientifically sound and presents a novel approach to optical polarimetry.** **The methodology is well-justified, and the results are presented with sufficient technical depth.** **However, additional discussion on the experimental limitations and potential error sources would strengthen the analysis.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **The references are relevant and recent.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The manuscript is well-written with proper language.** |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  |  |  |

**Reviewer details:**

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