## Review Form 1.6

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| Journal Name: | **International Astronomy and Astrophysics Research Journal** |
| Manuscript Number: | **Ms_IAARJ_80374** |
| Title of the Manuscript: | **Gravitationally Polarized Protons in Interstellar Hydrogen Gas and Dark Matter Generation** |
| Type of the Article | **Original Research Article** |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(https://www.journaliaarj.com/index.php/IAARJ/editorial-policy )

**PART 1: Review Comments**

| | **Reviewer's comment** | **Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
|---|---|---|
| **Compulsory** REVISION comments | 1. **Title: suggestion - Gravitationally Polarized Protons in Interstellar Hydrogen Gas and a possibility to explain the Dark Matter Generation;**<br>2. **The standard model quoted in the paper is based upon only two references: Wikipedia and other book. Wikipedia is not a good source of *stricto sensu* knowledge in Science. It is necessary to enrich the bibliographical references, and use a diversity of other authors. From nine references, five is the same author;**<br>3. **In the Abstract the sentence: "Dark matter is generated and persists in the meantime if the gas has a gradient along the gravitational field". It is necessary to make a reference to other authors.**<br>4. **Never existed the "Galileo's Pisa Experiment" – see "An Experiment in measurement", In: Proceedings of the American Philosophical Society, vol. 97, n° 2, april 1953.**<br>5. **The Figures quoted in the paper, it is better to put the references in the legends of each figure.**<br>6. **In the equation A13, the three first terms are wrong:**<br>$\Box_I \Box_I \Box_{II} \Phi(x_I, x_{II}) = \frac{1}{4} g_s^6 \{\chi^r_{\{\dot{b}\dot{h}\}}(x_I, x_{II}) \psi^{\{\dot{b}\dot{h}\}}_f(x_I, x_{II}) + c.c.\}$ | |
| **Minor** REVISION comments | | |
| **Optional/General** comments | | |

## Review Form 1.6

**PART 2:**

| | **Reviewer's comment** | **Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | |

**Reviewer Details:**

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|---|---|
| Name: | ***Marcos Cesar Danhoni Neves*** |
| Department, University & Country | ***State University Of Maringá, Brazil*** |