



**SDI Review Form 1.6**

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|--------------------------|-------------------------------------------------------------------------|
| Journal Name:            | <a href="#">Journal of Advances in Mathematics and Computer Science</a> |
| Manuscript Number:       | <b>Ms_JAMCS_35743</b>                                                   |
| Title of the Manuscript: | <b>Chiral Structure of Free Particles Bound by Magnetic Forces</b>      |
| Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>The author must to explain the dimension reduction of the QFT to this Lagrangian formalism.</p> <p>The author must to include the 2010 AMS Classification.</p> <p>The author must to give citations inside body of paper or explicitly the main theorem (or math technique) studied in QFT (QM, QED, etcetera) that permits the reduction. Because the paper was submitted to mathematics journal.</p> <p>The author must to include key words of the paper.</p> <p>The author cannot include wikipedia as reference. This is inadmissible.</p> <p>Which are the bosonic invariants?</p> <p>The author must to give mathematical structure to the paper.</p> <p>The author must to revise orthography and redaction in English along the paper.</p> <p>The section 4, the author must to present as application or corollary of the main result, proposition or theorem.</p> | <p>1. In a fundamental bound state description as discussed here, the reduction from four to three dimensions is naturally simple, because space and time coordinates separate (stability in time). The three-dimensional momenta can be Fourier transformed to r-space, in which the dimensions of momentum q (energy) and radius r are related by the factor qr.</p> <p>2. The classification is included now.</p> <p>3. This point is discussed clearly.</p> <p>4. Key words are given.</p> <p>5. Wikipedia refs. are replaced.</p> <p>6. The boson invariant quantities are E.g. and <math>\langle r^2_{gs} \rangle</math>.</p> <p>7. The Lagrangian formalism is a well known physical and mathematical method, which needs no further explanation.</p> <p>8. Orthography is checked.</p> <p>9. Section 4 is an application of the of the formalism to magnetically bound atoms. Appropriate changes of the text for clarification have been made.</p> |
| <b>Minor</b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Optional/General</b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |