

# Integrable systems and quantum symmetries XXIII

## Prague, June 23–27, 2015

---

### Peer review protocol

**Title:** Self-adjointness and the Casimir effect with confined quantized spinor matter

**Author(s):** Yu.A. Sitenko

**Reviewer:** Ondřej Navrátil

Reviewer's address: Faculty of Transportation Sciences, Czech Technical University, Na Florenci 25, Prague

Reviewer's phone: +420 224 890 714

### MANUSCRIPT EVALUATION

#### Please mark your recommendation:

ACCEPT: The article is suitable for publication in its present form.

ACCEPT WITH MINOR REVISIONS: Any required changes are minor, the editor of Proceedings will verify that the author made the recommended changes.

REVISE AND RESUBMIT: The article is acceptable for publication provided that significant changes are made, as indicated by the comment below. The revision will be re-reviewed.

REJECT: This article is not suitable for publication in JPCS.

**Comment:** In the presented paper the author continues in the study of generalized boundary conditions for spinor matter in which the Dirac hamiltonian operator is self-adjoint. He applies his resent results to the case of spinor matter confined between two parallel material plates in background magnetic field. Especially, in the paper the Casimir effect is studied in detail.

The result of the paper is new, so far unpublished. I'm not quita sure if the studied problem and method of its solution is one of the main topics of conference ISQS-23. But I think that the article can be published in the Proceedings of this conference.

Date: 2.10.2015

Signature of reviewer: Ondřej Navrátil