

# Integrable systems and quantum symmetries XXIII

## Prague, June 23–27, 2015

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### Peer review protocol

**Title:** Complete integrability of geodetics in toric Sasaki-Einstein spaces

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### 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 paper it is given method for construction of Killing-Yano tensors on toric Sasaki-Einstein manifolds. The method uses geometric properties of the manifold, especially the fact that the metric cones are Calabi-Yau manifolds. The method is used for  $Y^{p,q}$  and  $T^{l,l}$  spaces and it is shown that geodetic motion in these spaces is integrable.

The method described in the paper can give new interesting results for other Sasaki-Einstein manifolds, which are often used in physics. Therefore, I think that this paper should be published in Proceedings of the conference ISQS-23.

Date: 16.10.2015

Signature of reviewer: Ondřej Navrátil