## **Accepted Manuscript**

Rectified transport of chiral active particles in the two-dimensional channel with varied upper wall

Xiao-qun Huang, Meng An

PII: S0378-4371(17)31000-2

DOI: https://doi.org/10.1016/j.physa.2017.09.107

Reference: PHYSA 18712

To appear in: Physica A

Received date: 11 March 2017 Revised date: 13 September 2017

Please cite this article as: X.-q. Huang, M. An, Rectified transport of chiral active particles in the two-dimensional channel with varied upper wall, *Physica A* (2017), https://doi.org/10.1016/j.physa.2017.09.107

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## **ACCEPTED MANUSCRIPT**

- 1. Due to the chirality, the transversal asymmetry induce the longitudinal transport.
- 2. The rectified transport can be affected by changing the wall shape of the channel.
- 3. A deep understanding for the transport of chiral particles would be provided.

## Download English Version:

## https://daneshyari.com/en/article/7376275

Download Persian Version:

https://daneshyari.com/article/7376275

<u>Daneshyari.com</u>