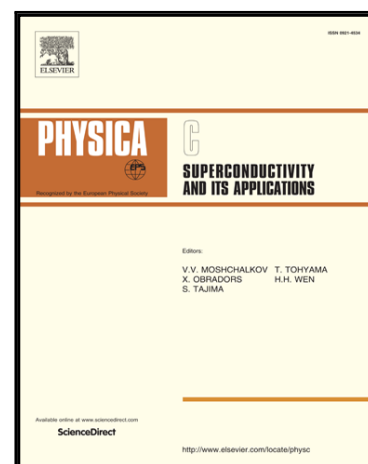


# Accepted Manuscript

Majorana  $\phi_0$ -Junction in a Disordered Spin-orbit Coupling Nanowire with Tilted Magnetic Field

Hong Huang, Qi-Feng Liang, Dao-Xin Yao, Zhi Wang

PII: S0921-4534(17)30380-5  
DOI: [10.1016/j.physc.2017.10.005](https://doi.org/10.1016/j.physc.2017.10.005)  
Reference: PHYSC 1253199



To appear in: *Physica C: Superconductivity and its applications*

Received date: 19 July 2017  
Revised date: 20 September 2017  
Accepted date: 4 October 2017

Please cite this article as: Hong Huang, Qi-Feng Liang, Dao-Xin Yao, Zhi Wang, Majorana  $\phi_0$ -Junction in a Disordered Spin-orbit Coupling Nanowire with Tilted Magnetic Field, *Physica C: Superconductivity and its applications* (2017), doi: [10.1016/j.physc.2017.10.005](https://doi.org/10.1016/j.physc.2017.10.005)

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.

**Highlights**

- $\phi_0$ -junction in a disordered topological nanowire Josephson junction.
- Tilted magnetic field driving  $\phi_0$  phase shift.
- Robust in presence of strong disorders.

Download English Version:

<https://daneshyari.com/en/article/8164260>

Download Persian Version:

<https://daneshyari.com/article/8164260>

[Daneshyari.com](https://daneshyari.com)