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# 国台学术报告 NAOC COLLOQUIUM

2018 年 第 15 次 / No. 15 2018

**Time: Wednesday 2:30 PM, May.9th**    **Location: A601, NAOC**

## The Tai Chi in Star Formation

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Prof. Hua-bai Li is an Assistant Professor of Department of Physics at The Chinese University of Hong Kong. He obtained his PhD degrees in Department of Astronomy and Physics at Northwestern University in 2006. He was a Postdoctoral Fellow at Harvard-Smithsonian Center for Astrophysics during 2006-2009. He was a Postdoctoral Fellow at Max Planck Institute for Astronomy during 2009 -2013. He is an Assistant Professor in Department of Physics at The Chinese University of Hong Kong from 2013 till now. His research interests are star formation, Interstellar medium turbulence and magnetic fields and Astronomical instrumentation

### Abstract

Tai Chi, a Chinese martial art developed based on the laws of nature, emphasises how to conquer the unyielding with the yielding. The recent observation of star formation shows that gravity, turbulence and magnetic fields may all play a role in star formation. Their detailed interaction, however, is always a topic of controversy due to the difficulties in both observations and simulations, especially when magnetic fields are involved. Is cloud turbulence super- or sub-Alfvénic? Is molecular cloud mass magnetically super- or sub-critical? I will review our recent quest of the answers of these central questions in star formation. And how Tai Chi may give us some inspiration.



*All are welcome ! Tea and coffee will be served at 2:15 PM.*