

Yingtian (Bill) Chen

陈颖天

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Education

2020- **Ph.D. student in Astronomy**
The University of Michigan Department of Astronomy (advisor: Oleg Gnedin)
2016-2020 **B.S. in Physics (with honours)**
Peking University School of Physics (advisor: Bo-Qiang Ma)
2010-2016 **Middle and High School**
Chengdu Experimental Foreign Languages School

Research Experiences

2020- **Distribution of globular clusters**
With Oleg Gnedin at the University of Michigan
2019- **Giant molecular clouds with different initial density profiles**
With Hui Li and Mark Vogelsberger at MIT Kavli Institute
2018- **Pre-burst stage of gamma-ray bursts**
With Bo-Qiang Ma at Peking University School of Physics

Publications

1. **Y. Chen**, H. Li and M. Vogelsberger, *Effects of Initial Density Profiles on Massive Star Cluster Formation in Giant Molecular Clouds*, in submission.
2. **Y. Chen** and B.-Q. Ma, *Novel Pre-burst Stage of Gamma-ray Bursts from Machine Learning*, in submission.

Selected Honors

2020 **Weiming physics scholarship**
Outstanding Graduates in Beijing
Outstanding Graduates at Peking University
2019 **First Prize and Best Speaker**
In Xingcheng Forum at Peking University
Huabao Funding for Undergraduate Research Program
2018 **National Scholarship**
Pacemaker to Merit Student
Outstanding Award and SIAM Award
In Mathematical Contest in Modeling (Control Number 73410)
2015 **Gold Medal**
In Chinese Physics Olympiad