

# Yingtian (Bill) Chen

陈颖天

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## Education

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2020- **Ph.D. student in Astronomy**  
The University of Michigan Department of Astronomy (advisor: Oleg Y. 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

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2020- **Distribution of globular clusters**  
With Oleg Y. 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

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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

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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