CHONG-CHONG HE

UMD-Astronomy, 1113 PSC Bldg. 415, College Park, MD 20742

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EDUCATION

University of Maryland

M.S. Astronomy   *2016 – 2018*

   Research Topic: Simulating Star Clusters Across Cosmic Time

Ph.D. Astronomy   *2018 – Present*

   Thesis Topic (Planed): Simulating Compact Star Clusters and Growth of the Seed Black Holes in the First Galaxies

Jilin University   *2012 – 2016*

B.S. Physics, with Highest Honor

Georgia Institute of Technology   *1/2015 – 7/2015*

Visiting Honors Student Program, Language and Physics

HONORS & AWARDS

China Youth Science and Technology Innovation Award, 2016

Dean's Honored Graduates, Jilin University, 2016

   The highest honor awarded to graduating seniors in the College of Physics

Tang-Ao Qing Supreme Award for Excellence in Research & Practice, 2016

China Scholarship Council Scholarship for Studying Abroad, 2014

   Awarded to the top 1% in the College of Physics, Jilin University

PUBLICATIONS

C.-C. He, M. Ricotti & S. Geen (2019). "Simulating Star Clusters Across Cosmic Time: II. Fraction of Ionizing Photons Escaping from Molecular Clouds" to be submitted to MNRAS

C.-C. He, M. Ricotti & S. Geen (2019). "Simulating Star Clusters Across Cosmic Time: I. Initial Mass Function, Star Formation Rates and Efficiencies" accepted for publication in MNRAS (preprint arXiv:1904.07889)

C.-C. He, & L. Keek (2016, March). "Anisotropy of X-Ray Bursts from Neutron Stars with Concave Accretion Disks". ApJ, 819, 47.

SUCCESSFUL PROPOSALS

MARCC/Bluecrab Supercomputer, Q1 2018, 200 kSU monthly allocation

TEACHING EXPERIENCE

Teaching Assistant   *08/2016 – 05/2018*

University of Maryland

- Courses: ASTR 100, ASTR 420, ASTR 330, ASTR 300, ASTR 340
- Led 2 discussion sections per week (ASTR 100, 08/2017 – 12/2017)
- Graded worksheets, homework, and exams.
- Held office hours to provide additional guidance to students

COMPUTER SKILLS

Programming and software fluency in *Python, C/C++, Fortran, LaTeX*

Experience with openMP and MPI parallel programming

Experience with *Mathematica, MATLAB, HTML/CSS*