

Qu, Zhijie

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Education

PhD Candidate, Astrophysics, University of Michigan, 2017-*present*
Advisor: Joel N. Bregman.

MS, Astrophysics, University of Michigan, 2015-2017.

BS, Astronomy (Graduate with Honors), Peking University, 2011-2015
Advisor: Renxin Xu and M.B.N. (Thijs) Kouwenhoven.

Research Experiences

Sept. 2015 - *present*
Graduate research assistant, University of Michigan, Ann Arbor.

Sept. 2014 - Jan. 2015
Visiting scholar, University of California, Santa Cruz.

Aug. 2013
Visiting research assistant, Institute of High Energy Physics, Chinese Academy of Sciences.

Scholarships & Awards

- 2015 - Weiming Physics Scholarship, School of Physics, Peking University.
- 2015 - Xingcheng Undergrad Research Forum, First Prize, School of Physics, Peking University.
- 2014 - Science Base Scholarship, Second Prize, Peking University.
- 2014 - NAOC Scholarship, National Astronomical Observatories, Chinese Academy of Sciences.
- 2013 - LinBridge Scholarship, Department of Astronomy, Peking University.
- 2013 - ZhangWenxin Scholarship, School of Physics, Peking University.

Conferences & Talks

7. Aug. 28th 2018 - XXX IAU General Assembly, "The Mass and Column Densities of Galactic Gaseous Halos", Vienna, Austria.
6. Jul. 31st 2018 - CGM Workshop 2018, Contributing Talk, "The Mass and Column Densities of Galactic Gaseous Halos", Northwestern University, Evanston, Illinois.
5. Mar. 6th 2018 - Dinner Talk, "Understanding the Galaxy Evolution with Gaseous Halos", Peking University, Beijing, China.

4. Mar. 1st 2018 - Colloquium Talk, "Understanding the Galaxy Evolution with Gaseous Halos", The Purple Mountain Observatory, Nanjing, China.
3. Jan. 2018 - 231st AAS Meeting, "The Mass and Absorption Columns of Galactic Gaseous Halos", Washington, DC.
2. Aug. 2017 - 16th HEAD Meeting, "Detection of Possible Intervening Mg X Associated with A Hot Gaseous Galaxy Halo", Sun Valley, Idaho.
1. Jul. 2014 - Fast Pulsar Symposium 3, "Analysis of Short Bursts in AXPs/SGRs", Shanghai, China.

Proposals

4. 2019 - *Hubble Space Telescope*, Cycle 27, 15806, Archival Research (PI)
"The Rotation, Accretion, and Mass of the Milky Way Warm Gas Disk and CGM"
3. 2018 - Magellan Telescope, Cycle 2018A, 2 nights (PI)
"Host Galaxies of the Mg x/Ne VIII Absorption Systems: LBQS 1435-0134"
2. 2018 - Magellan Telescope, Cycle 2017B, 3 nights (PI)
"Host Galaxies of the Mg x/Ne VIII Absorption Systems: PHL 1377"
1. 2017 - *Chandra* X-ray Observatory, Cycle 18, 50 ks (Co-I)
"Gaseous Galaxy Halos in the Transition Between Hot and Cold Mode Accretion."

Research Advising

1. Ryan Lindley (Undergrad at UMich), 2019-present, "*The C IV Absorption Line Survey of the Milky Way*".

Publications

8. **Zhijie Qu**, and Joel Bregman. 2019, "*The Warm Gaseous Disk and the Anisotropic Gaseous Halo of the Milky Way.*", ApJ, in press.
7. **Zhijie Qu**, Joel Bregman, and Edmund Hodges-Kluck. 2019, "*Absorption Lines in the Gaseous Halo of NGC 891.*", ApJ, 876, 2.
6. **Zhijie Qu**, and Joel Bregman. 2018, "*The Mass and Absorption Columns of Galactic Gaseous Halos II – The High Ionization State Ions.*", ApJ, 862, 23.
5. Joel Bregman, Michael Anderson, Matthew Miller, Edmund Hodges-Kluck, Xinyu Dai, Jiang-Tao Li, Yunyang Li, and **Zhijie Qu**. 2018, "*The Extended Distribution of Baryons Around Galaxies.*", ApJ, 862, 3.
4. **Zhijie Qu**, and Joel Bregman. 2018, "*The Mass and Absorption Columns of Galactic Gaseous Halos.*", ApJ, 856, 5.
3. **Zhijie Qu**, and Joel Bregman. 2016, "*A Hot Gaseous Galaxy Halo Candidate with Mg x Absorption.*", ApJ, 832, 189.
2. **Zhijie Qu**, Zhaosheng Li, Yupeng Chen, Shi Dai, Long Ji, Renxin Xu, and Shu Zhang. 2015, "*Analysis of Short Bursts in SGR 1806-20, 1E 1048-5937 and SGR 0501+4516.*", PASP, 127, 211.

1. Zhaosheng Li, **Zhijie Qu**, Li Chen, Yanjun Guo, Jinlu Qu, and Renxin Xu. 2015, "*An Ultra Low Mass and Small Radius Compact Object in 4U 1746-37?*", *ApJ*, 798, 56.

Last updated: June 29, 2019