

Angus “Gus” Beane

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<https://gusbeane.github.io>

Undergraduate

Department of Physics & Astronomy

University of Pennsylvania

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Education

BA/MS (anticipated) 2019, Physics & Astronomy, University of Pennsylvania.

Positions

Associate Research Assistant, Flatiron Institute, New York, NY. Aug 2018 – Dec 2018

Summer Research Assistant, Flatiron Institute, New York, NY. Jun 2018 – Aug 2018

Teaching Assistant, Department of Mathematics, University of Pennsylvania,
Philadelphia, PA. Aug 2016 – Jun 2017

Research Assistant, University of Richmond, Richmond, VA. Jun 2014 – Jun 2017

Honors

Barry Goldwater Scholarship 2018

Phi Beta Kappa 2018

Roy & Diana Vagelos Science Challenge Award 2017 – 2019

3 Refereed publications

1. **Beane, A.**, Ness, M. K., & Bedell, M., 2018, [Actions Are Weak Stellar Age Indicators in the Milky Way Disk](#), *Astrophys. J.* **867** 31.
2. **Beane, A.** & Lidz, A., 2018, [Extracting Bias Using the Cross-bispectrum: An EoR and 21 cm-\[C II\]-\[C II\] Case Study](#), *Astrophys. J.* **867** 26.
3. **Beane, A.**, Miller III, B., & Parish, C., 2017, [Internal abstraction of dynemicin A: An MD approach](#), *J. Mol. Graph. Model.* **74** 251–264.

Publications submitted

Beane, A., Villaescusa-Navarro, F., & Lidz, A., [Measuring the EoR Power Spectrum Without Measuring the EoR Power Spectrum](#), *Submitted to Astrophys. J.*
arXiv:1811.10609

In preparation

Beane, A., Sanderson, R., Mac Low, M.-M., Ness, M. K., Anglés-Alcázar, D., & Bedell, M. Our Galactic Midplane is Probably Wrong, and Not by a Little

Conferences

AAS 233rd Meeting, Seattle, WA Jan 2019