

ROCIO AYLÉN KIMAN

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The Graduate Center, CUNY
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Education	The Graduate Center, CUNY, USA Ph.D. in Physics Thesis Advisors: Prof. Kelle Cruz & Dr. Jackie Faherty	2016 - Expected Spring 2021
	Universidad de Buenos Aires, Argentina Licenciatura in Physics Thesis Title: "Higgs boson pair production at the LHC" Thesis Advisor: Prof. Daniel de Florian	2011 - 2016
Appointments	Graduate Assistant A Hunter College, CUNY	August 2019 - Present
	Graduate Research Assistant Research Foundation, CUNY	August 2017 - Present
	Non-Teaching Adjunct Hunter College, CUNY	August 2017 - August 2019
	Non-Teaching Adjunct Graduate Center, CUNY	August 2016 - August 2017
	Teaching Assistant Universidad de Buenos Aires, Argentina Teaching assistant for Classical Mechanics classes.	March 2016 - August 2016
Grants & Awards	Sigma Xi Grants in Aid of Research for \$4334, 2019	
	Doctoral Student Research Grant (Round 14) for \$875, 2019.	
	Provosts Pre-Dissertation Research Fellowship for the Sciences for \$5000, 2019.	
	CUNY Science Scholarship, 2016.	
Publications	CONICET Doctoral Fellowship, 2016.	
	First author	
	<i>Calibration of the $H\alpha$ Age-Activity relation for M dwarfs</i> Kiman, R. ; Faherty, J.K.; Cruz, K.L.; Gagné, J.; Angus, R.; Schmidt, S. J.; Mann, A.W.; Bardalez Gagliuffi, D.C.; Rice, E.; in prep. Approximate submitting date: August 14 2020.	
	<i>wdwarfdate: A python package to estimate white dwarfs ages in a Bayesian framework.</i> Kiman, R. ; Xu, S.; Faherty, J.K.; Angus, R.; Casewell, S.L.; Gagné, J.; Cruz, K.L.; in prep. Approximate submitting date: September 14 2020	
	<i>Exploring the age dependent properties of M and L dwarfs using Gaia and SDSS.</i> Kiman, R. , Schmidt, S.J., Angus, R., Cruz, K.L., Faherty, J.K. & Rice, E., The Astronomical Journal, 157, 6, 231 (2019) DOI: 10.3847/1538-3881/ab1753	

Co-author

Discovery of a Nearby Young Brown Dwarf Disk

Schutte, M. C.; Lawson, K. D.; Wisniewski, J. P.; Kuchner, M. J.; Silverberg, S. M.; Faherty, J. K.; Bardalez Gagliuffi, D. C.; **Kiman, R.**; Gagn, J.; Meisner, A.; Schneider, A. C.; Bans, A. S.; Debes, J. H.; Kovacevic, N.; Bosch, M. K. D.; Durantini Luca, H. A.; Holden, J.; Hyogo, M., (2020) arXiv:2007.15735

Exploring the evolution of stellar rotation using Galactic kinematics

Angus, R.; Beane, A.; Price-Whelan, A. M.; Newton, E.; Curtis, J. L.; Berger, T.; van Saders, J.; **Kiman, R.**; Foreman-Mackey, D.; Lu, Y.; Anderson, L.; Faherty, J. K., The Astronomical Journal, Volume 160, Number 2 (2020) DOI: 10.3847/1538-3881/ab91b2

Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology.

Angus, R., Morton, T. D., Foreman-Mackey, D., van Saders, J., Curtis, J., Kane, S. R., Bedell, M., **Kiman, R.**, Hogg, D. W.; Brewer, J. The Astronomical Journal, Volume 158, Issue 5, article id. 173, 12 pp. (2019). DOI: 10.3847/1538-3881/ab3c53

Selected Talks

Age-dating low mass stars using magnetic activity and kinematics. Invited talk, January 10 2020, Gemini Observatory, Hilo, HI, USA.

Finding Age Relations for Low Mass Stars Using Magnetic Activity and Kinematics. Invited talk, seminar, July 2, 2019, Leibniz-Institut für Astrophysik Potsdam (AIP), Potsdam, Germany.

TRAPPIST-1 in the context of M-dwarfs re-defined by Gaia DR2. Contributed talk, TRAPPIST-1 conference, June 11-14, 2019, Liège, Belgium.

Finding Age Relations for Low Mass Stars Using Magnetic Activity and Kinematics. Invited talk, May 23, 2019, Princeton University, NJ, USA.

Finding age relations for low mass stars using magnetic activity and kinematics. Contributed talk, Big Apple Magnetic Fields Conference, January 24-25, 2019, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

An Open Discussion on Software. Invited panelist, AAS 233, 6-10 January, 2019, Seattle, Washington, USA

Age Dating Low Mass Stars Using Galactic Kinematics. Contributed talk, Cool Stars, July 30 to August 3, 2018, Boston-Cambridge, USA.

Poster Presentations

Age-Activity relation for M dwarfs using H α equivalent widths Kiman R., Faherty J., Cruz K., Xu S., Schmidt S., Angus R., Gagné J., Bardalez Gagliuffi D., Rice E., AAS 235, 4-8 January, 2020, Honolulu, HI, USA.

Finding age relations for low mass stars using magnetic activity and kinematics. Kiman, R., Schmidt, S.J., Angus, R., Cruz, K.L., Faherty, J.K. & Rice, E., AAS 233, 6-10 January, 2019, Seattle, Washington, USA.

Age Dating Low Mass Stars Using Galactic Kinematics. Kiman, R., Schmidt, S.J., Angus, R., Cruz, K.L., Faherty, J.K. & Rice, E., Cool Stars, July 30 to August 3, 2018, Boston-Cambridge, USA.

Age Dating Low Mass Stars Using Galactic Kinematics. Kiman, R., Cruz, K.L., Angus, R., Schmidt, S.J. & Faherty, J.K., AAS 231, 8-12 January, 2018, Washington DC, USA.

Gaia-Cupid: Age-dating low mass stars using galactic kinematics. Kiman, R., Cruz, K.L, Angus, R., Schmidt, S.J & Faherty, J.K., BDExoCon II, 26-27 October 2017, Delaware, USA.

Photolysis of caged compounds with controlled temporal modulation. Kiman, R., Camino, P., Ponce Dawson, S., Lopez, L., Piegari, S., 99 RNF-AFA (National Meeting of the Physical Association Argentina) 22-25 September, 2014, Buenos Aires, Argentina.

Conferences Attended

AAS 235. 4-8 January, 2020, Honolulu, HI, USA.

BDExoCon III. 21-22 October, 2019, Newark, DE, USA.

TRAPPIST-1 conference. June 11-14, 2019, Liège, Belgium.

AAS 233. 6-10 January, 2019, Seattle, Washington, USA.

.Astronomy X. 24-27 September 2018, Baltimore MD, USA.

Cool Stars. July 30 to August 3, 2018, Boston-Cambridge, USA.

Gaia Sprint. 4-8 to June, 2018, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

Python in Astronomy. April 30 to May 4, 2018, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

Gaia DR2 Sprint. 25-27 April, 2018, Center for Computational Astrophysics at the Flatiron Institute, NY, New York, USA.

AAS 231. 8-12 January, 2018, Washington DC, USA.

BDExoCon II. 26-27 October 2017, Newark, DE, USA.

SDSS-IV Collaboration Meeting. 24-26 July 2017, Santiago, Chile.

Schools Attended

Space Astrometry For Astrophysics. 3-7 June 2019, L'Aquila, Italy

IYAS on the scientific exploration of the Gaia data. February 26 to March 2, 2018, Paris, France.

La Serena School of Data Science. 21-29 August, 2017, La Serena, Chile.

Outreach Activities

Outreach Assistant

2014 - 2016

Universidad de Buenos Aires, Argentina

Presenter at the "Physics week" for high-school students, 2014-2015.

Presenter at the "Museum's night", 2014-2015.

Presenter at the Book Fair in Buenos Aires, May 2015.

Monthly outreach talks for high-school students about the career in Physics.