Manuel H. Cañas

PH.D. STUDENT · ASTRONOMY

Department of Astronomy
New Mexico State University
PO Box 30001, MSC 4500
Las Cruces, NM 88001

☎ +1 843-834-7280 | ✉ canasmh@nmsu.edu | ⌂ www.manuelhcanas.com

Education

New Mexico State University   *Las Cruces, NM*
PH.D. ASTRONOMY   *08/2019 - Present*
- Advisor: Dr. Wladimir Lyra
- GPA: 3.490

College of Charleston   *Charleston, SC*
B.S. ASTROPHYSICS, B.S. PHYSICS   *08/2014 - 05/2018*
- Advisor: Dr. George Chartas
- Thesis: X-Ray Variability of Ultrafast Outflows
- GPA: 3.109

Research Experience

New Mexio State University - Dept of Astronomy   *Las Cruces, NM*
ADVISOR: DR. WLADIMIR LYRA   *Aug. 2019 - Present*
- Project: Formation of Kuiper Belt Objects via the Streaming Instability

College of Charleston - Dept of Physics and Astronomy   *Charleston, SC*
ADVISOR: DR. GEORGE CHARTAS   *2016 - 2018*
- Thesis: X-Ray Variability of Ultrafast Outflows
- Project: Quasar Outflows and AGN Feedback
- Project: Ultrafast Outflows in mini-Broad Absorption Lines Quasars

Teaching Experience

2019 - 2020	**ASTR105**, Teaching Assistant	*New Mexico State University*
2016 - 2018	**ASTR130**, Teaching Assistant	
	ASTR129, Teaching Assistant	*College of Charleston*

Publications

PUBLISHED

Chartas, G. and **Canas, Manuel H.**,The Variable Relativistic Outflow of IRAS 13224-3809, 2018, ApJ, 867, 103

IN PREP

Canas, Manuel H. and Lyra, W., The Kuiper belt as Evidence for the Streaming Instability

Outreach & Professional Development

SERVICE AND OUTREACH

2020	**Apache Point Observatory**, Open House
2019	**Tombaugh Elementary: Science Night**, Telescope Operator
	Farmers Market, Solar Telescope Operator
2018	**Wyoming Stargazing: Planetarium**, Presenter
	Wyoming Stargazing: Public Viewing, Telescope Operator
2018	**College of Charleston: Solar Eclipse**, Telescope Operator

Skills

COMPUTER PROGRAMMING

Operating System

MACOS, WINDOWS, LINUX

Programming and Word Processors

PYTHON, IDL, HTML, CSS, C++, MATLAB, LaTeX

LANGUAGE PROFICIENCY

Fluent

SPANISH, ENGLISH

Intermediate

JAPANESE

Beginner

BENGALI, PORTUGUESE