

JIMMY

PERSONAL DATA

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CITIZENSHIP: USA

EDUCATION

MAY 2015 Ph.D. in PHYSICS, **Texas A&M University**, College Station, TX
Focus: Brightest Cluster Galaxy Formation — Advisor: Kim-Vy TRAN
AUG. 2012 M.S. in PHYSICS, **Texas A&M University**, College Station, TX
Focus: Brightest Cluster Galaxy Formation — Advisor: Kim-Vy TRAN
MAY 2009 B.S. in PHYSICS, **University of Minnesota**, Minneapolis, MN
Focus: Cryogenic Dark Matter Search (CDMS) — Advisor: Prisca CUSHMAN
Minor: German

ACADEMIC SUMMARY

Publications in Refereed Journals (as First Author) 2 (1)
Talks 8
Conferences 5

OBSERVING PROGRAMS

FEB. 12-16 2015 Star Formation Efficiency and Metallicity Gradients in Low Mass Galaxies
with a Parametrisation of the CO-to-H₂ Conversion Factor.
Jimmy (PI), K. Tran, Gioacchino Accurso, Amelie Saintonge, Katharina Lutz
McDonald Observatory, Fort Davis, TX
APRIL 1-6 2014 Rotation Properties of and Super Massive Black Holes in Brightest Cluster Galaxies
Jimmy (PI), K. Tran, S. Brough, K. Gebhardt
McDonald Observatory, Fort Davis, TX
AUGUST 6-9 2013 Weighing Super Massive Black Holes in Brightest Cluster Galaxies
Jimmy (PI), K. Tran, S. Brough, K. Gebhardt
McDonald Observatory, Fort Davis, TX

RESEARCH INTERESTS

PROJECT	COLLABORATORS
Brightest Cluster Galaxy Mergers & Kinematics	K. Tran, S.Brough, K Gebhardt, W. Couch
Brightest Cluster Galaxy Metallicity & Ages	P. Oliva-Altamirano, K. Tran, S. Brough
Dwarf Galaxy Kinematics, Star Formation, & Metallicity	K. Tran, A. Saintonge, G. Accurso
Merger Simulation Comparisons	D. Martizzi, K. Tran

TEACHING EXPERIENCE

SUMMER 2012	Astronomy 102 - Observational Astronomy - <i>Texas A&M University</i>
SUMMER 2011	Physics 208 - Electricity and Magnetism - <i>Texas A&M University</i>
2010 - 2011	Astronomy 111 - Overview of Modern Astronomy - <i>Texas A&M University</i>
SUMMER 2010	Physics 202 - College Physics II - <i>Texas A&M University</i>
SPRING 2010	Astronomy 101 - Basic Astronomy - <i>Texas A&M University</i>
FALL 2009	Physics 218 - Mechanics - <i>Texas A&M University</i>
2008 - 2009	Astronomy 1001 - Exploring the Universe - <i>University of Minnesota</i>

SUPERVISION

FEBRUARY 2013 - MAY 2014 Jonathan Monroe (Undergraduate)

PROFESSIONAL SOCIETIES

2011 - Present	American Astronomical Society
2008 - 2009	Sigma Pi Sigma Honors Society
2006 - 2009	Society of Physics Students

SERVICE

2013	Texas A&M Physics Open House Presenter
2012 - PRESENT	Texas A&M Star Parties Presenter
2011 - PRESENT	Texas A&M Physics and Astronomy Festival Presenter
2008	University of Minnesota Physics Force Assistant
2007-2009	University of Minnesota Society of Physics Students President
2006-2007	University of Minnesota Society of Physics Students Treasurer
2006-2009	University of Minnesota Society of Physics Students Outreach Events

PUBLICATIONS

- IN PREP. 2015 “Metallicity Gradients Dependency on Mass: From BCGs to Dwarf Galaxies”
Jimmy, K. Tran, A. Saintonge, G. Accurso
In Prep
- SUBMITTED 2015 “Decoupled Sectors and Wolf-Rayet Galaxies”
W. Fischler, **Jimmy**, D. Lorshbough
Submitted to Journal of Cosmology and Astroparticle Physics
- SUBMITTED 2014 “VIMOS IFU spectroscopy: BCGs show different evolutionary paths in their
stellar population gradients”
P. Oliva-Altamirano, S. Brough, **Jimmy**, K. Tran, W. Couch, C. Lidman,
A. von der Linden, R. Sharp
Submitted to Monthly Notices of the Royal Astronomical Society
- JULY 2014 “Brightest Cluster Galaxies in Cosmological Simulations with Adaptive Mesh
Refinement: Successes and Failures”
D. Martizzi, **Jimmy**, R. Teyssier, B. Moore
Monthly Notices of the Royal Astronomical Society MN-14-1155-MJ.R1
- DECEMBER 2013 “Angular Momenta, Dynamical Masses, and Mergers of Brightest Cluster Galaxies”
Jimmy, K. Tran, S. Brough, K. Gebhardt, A. von der Linden, W. Couch, R. Sharp
Astrophysical Journal, 2013, 778, 171
- OCTOBER 2013 “IFU Spectroscopy of BCGs and Their Companions: Angular Momentum and
Dynamical Mass”
Jimmy, K. Tran, S. Brough, K. Gebhardt, A. von der Linden, W.J. Couch, R. Sharp
Proceedings of the Frank N. Bash Symposium 2013: New Horizons in Astronomy

TALKS

- JANUARY 2015 “Kinematic and Metallicity Comparisons between Dwarf Galaxies and Brightest Cluster Galaxies”
225th Meeting of the American Astronomical Society
Seattle, WA
- OCTOBER 2014 “Kinematic and Metallicity Comparisons between Dwarf Galaxies and Brightest Cluster Galaxies”
Texas American Physical Society Meeting
Department of Physics & Astronomy, Texas A&M University
College Station, TX
- MARCH 2014 “Angular Momenta, Dynamical Masses, and Mergers of Brightest Cluster Galaxies”
Conference Talk at 3D 2014
European Southern Observatory
Garching, Germany
- AUGUST 2013 “Angular Momentum and Recent Mergers of Brightest Cluster Galaxies”
TAMU Astronomy Symposium
Department of Physics & Astronomy, Texas A&M University
College Station, TX
- MARCH 2013 “Mapping BCGs with the VIMOS IFS on the VLT”
GMTIFS Science meeting
Carnegie Observatories
Pasadena, CA
- AUGUST 2012 “Angular Momentum of Brightest Cluster Galaxies”
TAMU Astronomy Symposium
Department of Physics & Astronomy, Texas A&M University
College Station, TX
- JULY 2012 “Galactic Scale Kinematics of Brightest Cluster Galaxies”
Master of Science Defense
Department of Physics & Astronomy, Texas A&M University
College Station, TX
- AUGUST 2011 “BCG Kinematics and Dark Mater Halo Modeling”
TAMU Astronomy Symposium
Department of Physics & Astronomy, Texas A&M University
College Station, TX

POSTERS

- MARCH 2014 “Angular Momenta, Dynamical Masses, and Mergers of
Brightest Cluster Galaxies”
Jimmy, K. Tran, S. Brough, K. Gebhardt, A. von der Linden, W. Couch, R. Sharp
3D 2014 ESO Garching, Germany
- OCTOBER 2013 “Angular Momenta, Dynamical Masses, and Mergers of Brightest Cluster Galaxies”
Jimmy, K. Tran, S. Brough, K. Gebhardt, A. von der Linden, W. Couch, R. Sharp
Bashfest Department of Physics & Astronomy, University of Texas
- JANUARY 2013 “IFU Spectroscopy of BCGs and Their Companions: Angular Momentum and
Dynamical Mass”
Jimmy, K. Tran, S. Brough, K. Gebhardt, A. von der Linden, W. Couch, R. Sharp
Winter School Early Galaxy Formation in LCDM Cosmology
Israel Institute for Advanced Studies of The Hebrew University
- JANUARY 2012 “IFU Spectroscopy of BCGs and Their Companions: Angular Momentum and
Dynamical Mass”
Jimmy, K. Tran, S. Brough, K. Gebhardt, A. von der Linden, W. Couch, R. Sharp
AAS 219 Austin, TX

LANGUAGES

- ENGLISH: First Language
GERMAN: Second Language Proficiency Certified by University of Minnesota,
Lived for 3 months in Germany

REFERENCES

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| Dr. Amélie Saintonge
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