Justin D. Linford

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Citizenship: USA

Education

2012: Ph.D.	Physics	University of New Mexico	
"Parsec-scale Properties of Gamma-ray Bright Blazars"; advisor: Gregory Taylor			
2008: M.S.	Physics	University of New Mexico	
2003: B.S.	Physics w/Astrophysics option	New Mexico Institute of Mining and Technology	High Honors

Appointments

July 2013 – present	Research Scholar, Michigan State University
January 2013 – July 2013	Postdoctoral Fellow, University of New Mexico
June 2010 – December 2012	Research Assistant, University of New Mexico
May 2011 – August 2011	Graduate Research Assistant, Los Alamos National Laboratory (off-site)
August 2009 – May 2010	Adjunct Instructor, University of New Mexico, Valencia
August 2006 – August 2009	Graduate Research Assistant, University of New Mexico
July 2005 – December 2005	Data Analyst, Head Engineering (formerly General Technology Corp.)
August 2004 – August 2006	Graduate Teaching Assistant, University of New Mexico
June 2003 – August 2004	Post-Baccalaureate Intern, Los Alamos National Laboratory

Accepted Proposals

A VLBA Study of LAT Non-Blazar AGN (2013)
- NRAO, telescope time, PI: **J.D. Linford**

EVLA observations of Fermi unassociated sources (2012)
- Fermi/NRAO, telescope time & funding, PI: L. Petrov

Exploring the Parsec Scale Environments of Fermi AGN (2011)
- Fermi/NRAO, telescope time & funding, PIs: G.B. Taylor (Fermi), **J.D. Linford** (NRAO)

Radio follow-up of the black-hole candidate MAXI J1659-152 (2010)
- NRAO, telescope time, PI: A.J van der Horst

Radio Characteristics of Low Luminosity Fermi AGN (2010)
- NRAO, telescope time & NRAO Student Observational Support funding, PI: G.B. Taylor

Research Interests

Classical and recurrent novae, especially using radio observations
Radio transient sources, especially those with gamma-ray detections
Gamma-ray emitting blazars and AGNs
Very long baseline interferometry
Atmospheric effects on astronomical observations
Large radio surveys of AGNs

Computer Skills

Programming: C/C++, IDL, MATLAB, Python
Astronomical data calibration and reduction: AIPS, Difmap, CASA
Operating Systems: Windows (XP, 7, 8), MAC OSX, Linux (esp. Ubuntu)
Microsoft Office Suite: Word, Excel, PowerPoint, Access
Some basic HTML webpage design

Professional Memberships

American Astronomical Society – member
Sigma Pi Sigma – member

Recent Collaborators

Teddy Cheung (NASA GSFC), Amy Mioduszewski (NRAO), Koji Mukai (NASA), Tommy Nelson (Minn), Tim O'Brien (Manchester), Tony Readhead (Caltech), Valerio Ribeiro (Cape Town), Roger Romani (Stanford), Micahel Rupen (NRAO/SKA), Frank Schinzel (UNM), Jennifer Sokolovski (Columbia), Alexander van der Horst (U. of Amsterdam), Jennifer Weston (Columbia), Jun Yan (Onsala), Robert Zavala (USNO)

Service and Outreach Activities

Referee for *Astronomy & Astrophysics*, *Publications of the Astronomical Society of the Pacific*, *Publications of the Astronomical Society of Japan*, and *Astrophysics and Space Science*
Abrams Planetarium (MSU) Astronomical Horizons lectures (10/02/2013, 9/18/2014)
MSU Science Festival, campus observatory event (04/03/2014)
UNM Department of Physics and Astronomy Venus Transit event (05/20/2012)
UNM Department of Physics and Astronomy Annular Eclipse event (06/05/2012)
UNM Student Observatory public night star parties (at least once per semester from Fall 2004 to Spring 2013)