

Nicholas Chamberlain Stone

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Education

Ph.D. in Astronomy & Astrophysics (expected) 2013
A.M. in Astronomy 2010
Harvard University
Advisor: Abraham Loeb

Bachelor of Arts in Physics, Mathematics, and Economics 2008
Cornell University, College of Arts & Sciences

Professional Experience

Graduate Student Researcher, Harvard University Dept. of Astronomy 2008 - 2012
Research Assistant to Peter Wittich, Cornell University Physics Department 2006 - 2008
Summer Research Intern (PPPL-NUF) with Holger Reimerdes, DIII-D (General Atomics) 2007
Summer Research Intern with Julia Thom, Cornell University Physics Department 2006
Summer Intern with Paul Romani, Goddard Spaceflight Center 2004, 2005
Summer Intern with Amy Simon-Miller, Goddard Spaceflight Center 2003

Research Interests

Stellar tidal disruption. Collisional stellar dynamics. Supermassive black hole mergers. Gravitational waves. Short gamma ray bursts. Compact object mergers. Relativistic astrophysics.

Honors and Awards

Harvard University Certificate of Distinction in Teaching 2011
Chambliss Astronomy Achievement Student Award (218th AAS) 2011
National Science Foundation Graduate Research Fellowship, Honorable Mention 2010
APS-Division of Plasma Physics Student Award 2007

Teaching

Teaching Fellow, Harvard University, 2010 - 2011
Astronomy 35/SPU 19: The Energetic Universe

Publications

Refereed Journal Articles

- “Observing Lense-Thirring Precession in Tidal Disruption Flares” **Stone, N.** & Loeb, A. 2012, PRL, 108, 6, 061302
- “Tidal Disruption Flares of Stars from Moderately Recoiled Black Holes” **Stone, N.** & Loeb, A. 2012, MNRAS, 422, 1933-1947
- “Prompt Tidal Disruption of Stars as an Electromagnetic Signature of Supermassive Black Hole Coalescence” **Stone, N.** & Loeb, A. 2011, MNRAS, 412, 75-80

Academic Service

Graduate Student Member , Harvard Astronomy Curriculum Review Committee	2011 - 2012
Discussion Moderator (IMBH/IMRI group) , Mallorca Astro-GR Workshop	2011
Coordinator , Graduate Student Research Forum, Harvard Dept. of Astronomy	2009 - 2010

Outreach

Public Talk , “Black Holes and Cosmic Roles”, Science in the News	2011
Science Fair Volunteer , Braintree Middle School/Science in the News	2010

Scientific Talks

Seminars and Colloquia

- Theory Lunch Talk, CfA ITC, Feb. 16, 2012
- TAPIR Seminar, Caltech, Nov. 2, 2011
- Theory Lunch Talk, CfA ITC, Apr. 29, 2010

Conference Talks

- “Can Jet Precession in SGRBs Distinguish NS-NS from BH-NS Mergers?”
Gravitational Wave and Electromagnetic Studies of Compact Binary Mergers, KITP, UCSB, Aug. 8, 2012
- “Observing Lense-Thirring Precession in Tidal Disruption Flares”
Tidal Disruption Events and AGN Outbursts Workshop, ESAC, Madrid, Spain, June 27, 2012
- “Tidal Disruption Flares as Signatures of Black Hole Recoil”
TASC, KITP, UCSB, Nov. 4, 2011
- “Tidal Disruption Flares as Signatures of Black Hole Recoil”
Astro-GR Workshop, UIB, Mallorca, Spain, Sept. 6, 2011
- “Stellar Tidal Disruption Flares: an EM Signature of Black Hole Merger and Recoil”
GWPAW, University of Wisconsin Milwaukee, Jan. 28, 2011
- “Stellar Tidal Disruption Flares From Bound, Recoiling Black Holes”
Stars and Singularities Workshop, Weizmann Institute, Israel, Dec. 13, 2009