

# Aleksey Generozov

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## Education

<b>Columbia University</b> <i>PhD student, Astronomy, Adviser: Brian Metzger</i>	<b>New York, NY</b> 2012-
<b>University of California, Santa Barbara</b> <i>BS Physics</i>	<b>Santa Barbara, CA</b> 2008–2012

## Research Interests

Galactic nuclei. Collisional stellar dynamics. Tidal disruptions of stars by supermassive black holes. Supermassive black hole binaries. Accretion physics.

## Publications

Physical properties of the inner shocks in hot, tilted black hole accretion flows

**A. Generozov**, O. Blaes, P.C. Fragile, and K.B. Henisey, *ApJ*, 780, 81

Lyman edges in supermassive black hole binaries

**A. Generozov** and Z. Haiman, 2014, *MNRAS*, 443, L64

Circumnuclear media of quiescent supermassive black holes

**A. Generozov**, N.C. Stone and B.D. Metzger, 2015, *MNRAS*, 453, 775

The influence of circumnuclear environment on the radio emission from TDE jets

**A. Generozov**, P. Mimica, B.D. Metzger, N.C. Stone, D. Giannios, and M.A. Aloy, 2017, *MNRAS*, 464, 2481

The delay time distribution of tidal disruption flares

N.C. Stone, **A. Generozov**, E. Vasiliev, B.D. Metzger, 2017 *submitted to MNRAS*, arXiv:1709.00423

## Selected talks

<b>Formation of X-ray binaries in the Galactic Center via tidal capture</b> <i>Harvard Galaxies and Cosmology Seminar</i>	<b>Cambridge, MA</b> September 2017
<b>The influence of the environment on the radio emission of TDEs</b> <i>TDE17 Conference</i>	<b>Cambridge, UK</b> September 2017
<b>Where are the jetted TDEs?</b> <i>Jerusalem TDE workshop- <a href="#">watch</a></i>	<b>Jerusalem, Israel</b> November 2015
<b>Lyman edges in supermassive black hole binaries</b> <i>27th Texas relativistic astrophysics symposium</i>	<b>Dallas, Texas</b> December 2013

## Summer schools and workshops

<b>PITP summer school</b> <i>Summer school on astrophysical plasmas at Princeton</i>	<b>Princeton, New Jersey</b> Summer 2016
<b>ISSI workshop on tidal disruption events</b> <i>Invited participant</i>	<b>Bern, Switzerland</b> November 2016

## Teaching

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### **Astronomy TA**

*Taught lab section for intro astronomy lecture*

**Columbia University**

*Fall 2013–Spring 2015*

## Outreach

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### **Volunteer for Columbia astronomy outreach**

*Roof/lecture volunteer for public outreach nights*

*Fall 2013–*

### **Volunteer for Saturday Science Starters**

*Showed physics demo to middle-school aged children*

*April 2014*

### **Volunteer for Girls Science Day**

*Showed physics demos to middle-school aged girls*

*November 2015*

### **Lecture for Columbia astronomy outreach**

*"On the care and feeding of black holes"*

*December 2015*

## Academic service

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### **Student representative on graduate admissions committee**

*Reviewed applications and organized visits for prospective students*

*Fall 2015– Spring 2016*