

# Einstein Fellowship Symposium

## October 23-24 2012

Phillips Auditorium  
Harvard-Smithsonian Center for Astrophysics

### Agenda October 24

9:00-9:20	<b>Joey Neilsen</b>	Winds of Change: High-Resolution X-ray Spectroscopy of Black Hole Outflows
9:20-9:40	<b>Rubens Reis</b>	On the role of the X-ray corona in black hole state transitions.
9:40-10:00	<b>Xin Liu</b>	Constraining the abundance of massive black hole binaries with quasar spectroscopic monitoring
10:00-10:20	<b>Amy Reines</b>	Massive Black Holes in Dwarf Galaxies
10:20-10:40	<b>Coffee Break</b>	
10:40-11:00	<b>Ryan O'Leary</b>	The shocking history of the early Universe and the formation of the first cosmic structures.
11:00-11:20	<b>Leo Stein</b>	Conditions for preheating
11:20-11:40	<b>Emily Levesque</b>	Stellar Rotation and its Impact on Ionizing Spectra
11:40-12:00	<b>Lorenzo Sironi</b>	Particle Acceleration by Magnetic Reconnection in Striped Pulsar Winds and Relativistic Jets
12:00-1:30	<b>Lunch</b>	
1:30-1:50	<b>Matthew Kerr</b>	Radio Polarimetry and The Pulsar Machine
1:50-2:10	<b>Ken Shen</b>	Double Detonations and Type Ia Supernovae
2:10-2:30	<b>Christian Reisswig</b>	Three-dimensional simulations of stellar core collapse and collapsar formation
2:30-2:50	<b>Boaz Katz</b>	CR origin, SN shock break-outs
2:50-3:10	<b>Tea Break</b>	
3:10-3:30	<b>Meng Su</b>	Strong Evidence for Gamma-ray Line Emission from Fermi-LAT
3:30-3:50	<b>Justin Vandenbroucke</b>	Measurement of cosmic-ray positrons with the Fermi Gamma-ray Space Telescope
3:50-4:10	<b>Jennifer Siegal-Gaskins</b>	A model-independent method to identify and constrain source populations using anisotropy analysis
4:10-4:30	<b>Matthew Kistler</b>	The Origins and Evolution of Ultra-Relativistic Electrons in the Milky Way