2013 SAO Astronomy Intern Symposium
Wednesday August 14, 10:00am-4:00pm
Phillips Auditorium
Harvard-Smithsonian Center for Astrophysics

10:00am Welcome, preceded by refreshments at 9:40am

10:10am Investigation of Martian Dust Source Regions from Orbital Observation
Laura Kulowski (Brown)
Adviser: Dr. Huiqun (Helen) Wang

10:30am Keeping It Hot: Are Flares the Main Players in the Heating of M Dwarf Coronae?
Ying Feng (Katherina) (Penn State)
Advisers: Drs. Katja Poppenhager, Esra Bubul, Andy Goulding

10:50am Too Cool for School: Understanding Magnetic Dynamos and X-ray Activity in Ultracool Dwarfs
Benjamin Cook (Princeton)
Advisers: Drs. Peter Williams, Edo Berger

11:10am Break

11:25am The Cygnus Loop is Quite Shocking: Balmer Dominated Shocks in the Northeast Limb
Amber Medina (New Mexico State)
Advisers: Drs. John Raymond, Richard Edgar

11:45am Stellar Autopsies: An Analysis of Two GRB-SNe in the Nebular Phase
Victoria Ashley Villar (MIT)
Adviser: Dr. Alicia Soderberg

12:05pm A Quest For Elusive Stellar Streams
S. Alwin Mao (UC - Berkeley)
Advisers: Drs. Nelson Caldwell, Matthew Walker

12:25pm Lunch Break

2:00pm Sensitivity Analysis on Ionization Rate Uncertainties and their Diagnostic Implications
Robert Tyler Sutherland (Auburn)
Advisers: Drs. Randall Smith, Adam Foster

2:20pm When Clusters Collide: Merger Hydrodynamics in RXJ1347.5-1145
Christina Kreisch (Washington University - St. Louis)
Adviser: Dr. Marie Machacek

2:40pm Two’s a Merger, Three’s a Crowd: A Study of the Triple Merging Galaxy Cluster MACSJ1226.8+2153
Jocelyn Ferrara (Barnard College - Columbia)
Advisers: Drs. Esra Bubul, Matthew Bayliss

3:00pm Break

3:15pm Hot and Cold: Measuring the Feedback, Heating and Cooling Properties of the Most Powerful AGNs in the Universe
Michael Calzadilla (South Florida University)
Advisers: Drs. Christine Jones, Reinout van Weeren, Felipe Santos

3:35pm Effect of Cosmic Microwave Background on X-ray Radiation of High Redshift Jets
Kathryn McKeough (Carnegie Mellon)
Advisers: Drs. Aneta Siemiginowska, Vinay Kashyap

3:55pm Closing Remarks