

Solar-Stellar Connections

15 February, 2017

Program

13:00-14:20	<p>Welcome and talks</p> <ul style="list-style-type: none">• Amir Caspi, SwRI: Solar Soft X-ray Spectroscopy• Tom Ayres, CU/CASA: Alpha Centauri at a Crossroads• Kevin Reardon, NSO: Chromospheric Spectral Line Widths: Solar Understanding and Application to Stellar Proxies• Serena Criscuoli, NSO: Linking Solar to Stellar Variability• Ricky Egeland, UCAR: Is the Solar Cycle Rare?• Axel Brandenburg, CU/LASP: Stellar Cycle Periods
14:20-14:40	Posters and break
14:40-15:40	<ul style="list-style-type: none">• Savita Mathur, SSI: Rotation and Magnetic Activity of Kepler Targets• Travis Metcalfe, SSI: Asteroseismology and Stellar Activity Cycles• Ben Brown, CU/LASP: Convection and Dynamo Physics in the Sun• Regner Trampedach, SSI: Asteroseismic Surface Effect from 3D Convection Simulations• Loren Matilsky, CU: Using Helioseismology to Probe Torque Balance in the Near Surface Shear Layer of the Sun
15:40-16:00	Posters and break
16:00-17:00	<ul style="list-style-type: none">• Adam Kowalski, CU/NSO: The First Simulated Image of a Star with Saturated Magnetic Activity• Stan Owocki, University of Delaware: Massive-star Magnetospheres• Steve Cranmer, CU/LASP: Did Coronal Mass Ejections Contribute to the Young Sun's Mass Loss?• Alicia Aarnio, CU/LASP/NSO: Estimating Stellar CME Rates to Better Understand Early Star-Planet Interaction

Posters

- Amir Caspi, SwRI: Combining *MinXSS* and *RHESSI* X-ray Spectra for a Comprehensive View of the Temperature Distribution in Solar Flares: First Steps
- Parke Loyd, CU/APS: The Energy Budget of FUV Transition Region Emission from "Typical" M Dwarfs Is Probably Dominated by Flares
- Ricky Egeland, UCAR: The Solar Dynamo Zoo
- Alicia Aarnio, CU/LASP/NSO: An Historical Perspective on the Solar-Stellar Connection
- Adam Kowalski, CU/NSO: A Chromospheric Flare Model Consisting of Two Dynamical Layers: Critical Tests From IRIS Data of Solar Flares