



UC SANTA BARBARA

Kavli Institute for Theoretical Physics

Stars with Lars

Date: Feb 8 2024

Morning Session Chair: Eliot Quataert (Princeton)

Talks are 25 min + 10 min discussion

8:50am	Eliot Quataert	Welcome
9:00am	Shri Kulkarni (Caltech)	Arcminute Structure in the Warm Ionized Medium
9:35am	Frank Timmes (ASU)	Stellar Neutrino Emission across the Mass-Metallicity Plane
10:10am	MORNING BREAK	
10:45am	Matteo Cantiello (CCA)	Twinkle, twinkle, massive star
11:20am	May Pederson (Sydney)	Stochastic low-frequency variability in O- and B-type stars
11:55am	Iair Arcavi (Tel Aviv)	The Global Asteroseismology Project
12:30pm	LUNCH BREAK	

Afternoon Session Chair: Jared Goldberg (Flatiron)

Talks are 25 min + 10 min discussion

2:00pm	Maria Drout (Toronto)	Unveiling populations of supernova progenitors in nearby galaxies
2:35pm	Jeno Sokoloski (Columbia)	Accreting White Dwarfs and Science Policy
3:10pm	AFTERNOON BREAK	
3:45pm	Evan Bauer (CFA)	Dense Plasma Diffusion and Phase Separation: Old Physics Puzzles Renewed by Gaia
4:20pm	Tom Prince (Caltech)	Var Stars with Lars
4:55pm	Lightning talks: 2 slides max, 3+1 Edward Brown, Philip Chang, Tim Cunningham Paul Duffell, Jim Fuller, Robert Kirshner, Sterl Phinney, Dean Townsley	
5:30pm	RECEPTION KITP Courtyard	
6:00pm	DINNER AT KITP	
8:00pm	SHUTTLE TO BWSCI	



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Date: Feb 9, 2024

Morning Session Chair: Frank Timmes (ASU)

Talks are 25 min + 10 min discussion

- 9:00am Eliot Quataert How I Learned to Stop Worrying and Love White Dwarfs
(Princeton)
- 9:35am Jared Goldberg Exploding Massive Stars (with Lars)
(CCA)
- 10:10am MORNING BREAK
- 10:45am Mansi Kasliwal Crystal Ball: Discovering what Lars predicts and more
(Caltech)
- 11:20am Ira Wasserman Stars without Lars
(Cornell)
- 11:55am Ken Shen Modern interpretations of familiar transients: Recent advances in the fields of Type Ia
supernovae and classical novae
(Berkeley)
- 12:30pm LUNCH BREAK

Afternoon Session Chair: Mansi Kasliwal (Caltech)

Talks are 25 min + 10 min discussion

- 2:00pm Abi Polin Decoding Supernova Remnants
(Caltech, Carnegie)
- 2:35pm Deepto Chakrabarty Accretion and Burning on Neutron Stars
(MIT)
- 3:10pm AFTERNOON BREAK
- 3:30pm Lightning talks: 3+1, 2 slides max Jared Brooks, Andy Howell, Dong Lai, Chris Mankovich, Chris McKee.
Anthony Piro, Logan Prust, Evan Scannapieco, Chris White, Bill Wolf
- 4:25pm Lars Bildsten Collaborations on Hard Things
(KITP)
- 5:00pm SHUTTLE TO MUNGER RESIDENCE (OR A NICE WALK)
- 5:30pm RECEPTION AT MUNGER RESIDENCE
- 6:00pm DINNER AT MUNGER RESIDENCE
- 8:00pm SHUTTLE TO BWSCI