



Colloquium Notice

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White dwarf astronomy in the era of large time-domain surveys

97% of stars in the Milky Way will conclude their evolution as compact white dwarf stars, so white dwarfs serve as observational boundary conditions to constrain theories of stellar evolution. Compressing the mass of the Sun into the volume of the Earth, these objects also provide remote laboratories for probing extreme physics. As astronomy enters a “big data” era characterized by large surveys recording movies of the dynamic universe, the field of stellar astronomy is experiencing a renaissance. In this talk, I share my vision for two key projects that utilize the newest survey data to advance the state of white dwarf research: uncovering the population of planets that orbit white dwarf stars, and using stellar pulsations to achieve the first reliable seismic constraints of white dwarf interior structures.

Note: non-Zoom event

Wednesday
March 30, 2022
Starts at 12:15 PM
SB C201