

## COLLOQUIUM

### **Rubin Observatory and the Legacy of Space and Time (LSST): the survey starts soon**

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February 9th, 2024 (12:00 – 1:30 pm) via zoom



Vera C. Rubin Observatory, its staff, and community will soon be ready to address some of the biggest questions in science: What is the nature of dark matter and dark energy? When and how did the Milky Way and other galaxies form? What processes shaped our Solar System and what risk do some Solar System objects, like asteroids, pose to life on Earth? And what can we learn from the time-dependent changing Universe—not by studying the remnants left behind, but by detecting these changes as they happen? Like its pioneering namesake, Vera C. Rubin Observatory will observe the sky using the most state-of-the-art technology available to answer existing scientific questions and produce unprecedented data to inspire queries into brand new ones. I will cover the current status of the project, the timeline to finish, and early science with Rubin as well as an overview of the survey itself and its high level science aspirations and the community working to make those happen. Finally, I will remind you what opportunities exist now to get involved and ready for science with the LSST.