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Rubin Observatory's Legacy Survey of Space and Time (LSST): Opportunities and Challenges from the Brazilian Participation Group Perspective

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The Vera C. Rubin Observatory under construction in Chile will conduct the 10-year Legacy Survey of Space and Time (LSST) that will produce an unprecedented astronomical data set. This data set will be used to explore several different aspects of the universe, such as: the nature of dark energy and dark matter, objects in the solar system, mapping the Milky Way and transient phenomena in the sky. In this talk I'll briefly describe the project and comment on the opportunities and challenges, focusing on the perspective from the Brazilian Participation Group.

Primary authors: KRAUSE, Elisabeth; ANDRADE-OLIVEIRA, Felipe; MOREIRA, Maria; ROSENFELD, Rogério; HUANG, Hung-Jin; SIMONOVIC, Marko; MIRANDA, Vivian; FANG, Xiao

Presenter: ROSENFELD, Rogério

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