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## The LSST and precision observational cosmology

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The proposed Large Synoptic Survey Telescope (LSST) will observe the entire sky visible from Cerro Pachon in northern Chile once every four nights with broad-band optical imaging. The accumulated ten-year data set will reach depths of 27 AB magnitude in each of six bands, and will produce a catalog of over four billion galaxies. A quarter of a million Type 1a supernovae will be detected per year. The LSST design and construction plans will be presented, and the potential for precision studies of cosmology, dark matter, and dark energy will be discussed.

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**Lundi 19 mars 2007 à 15 heures**

**Salle André Berthelot, bât. 141**

Le café sera servi 15 minutes avant

*NB : La présentation d'une carte d'identité ou d'un passeport est exigée à l'entrée du centre. Tous les auditeurs extérieurs sont priés de prévenir à l'avance de leur visite Emilie Chancrin, tél. 01 69 08 23 50 (U.E. : délai de 24 h, hors U.E. : délai de 4 jours).*