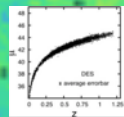


LSST DESC Science:

Multiple Probes. Generation-defining cosmological measurements.

The Weak Lensing, Clusters and Large Scale Structure probes will utilize 18K sq. degrees to measure the matter distribution across the universe

The footprint is defined by an extinction cut of $E(B-V) < 0.2$ for high visits and low-visit extension over galactic plane and northern and southern DEC



LSST can use its 10 sq. deg FOV for Target-of-Opportunity follow-up of gravitational waves

Multiple of the Deep Field will overlap with Euclid and WFIRST deep fields.

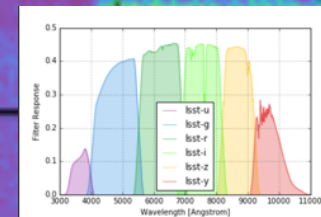


Changing filters in night and a 5-Day WFD Cadence allows for

A 300K WFD SNIa Hubble diagram

The 5 Deep Drilling Fields will each produce Type Ia Supernova Hubble diagrams from $z=0.1$ to 1.2.

Discovery of ~100 Strongly Lensed SNe



10 20 30 40 50 60 70 80 90 100

Number of Visits per Area