

What do we do in the decade 2020-2030?

Situation after DES, MS-DESI (BigBOSS), EUCLID, Panstars ... :

- About 15,000 deg² of the sky will have been imaged to magnitude of 24-24.5. This will give about 1.5 billion galaxies.
- High resolution spectroscopy will exist for about 25 million galaxies and about 0.5-1. M QSO. Low resolution NIR spectroscopy will exist for about 50 M galaxies.

Situation during/after LSST:

- Imaging will improve by an order of magnitude. About 20,000 deg² of the sky will be imaged to magnitude of about 27.5. This will give about 10 billion galaxies.
- But no big improvement in spectroscopy that I know of.

So we may ask the question: can we get high or low spectroscopy for most of the LSST galaxies up to magnitude ~24.5 ?