



The Large Synoptic Survey Telescope: Meeting Introduction

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THE UNIVERSITY of EDINBURGH

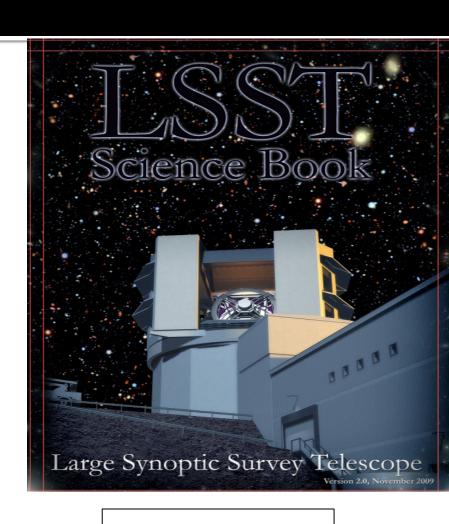
Large Synoptic Survey Telescope



The scope of LSST science

Contents:

- Introduction
- LSST System Design
- System Performance
- Education and Public Outreach
- The Solar System
- Stellar Populations
- Milky Way and Local Volume Structure
- The Transient and Variable Universe
- Galaxies
- Active Galactic Nuclei
- Supernovae
- Strong Lenses
- Large-Scale Structure
- Weak Lensing
- Cosmological Physics



arXiv:0912.0201

UK LSST Synergies



The UK has an unprecedented opportunity to lead the exploitation of this combined suite of facilities

UK participation in LSST

LSST:UK
Consortium
(All UK astro groups)



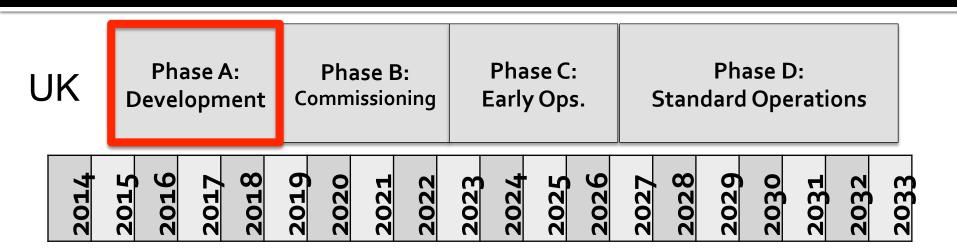
Defines the programme of work for...

Works on behalf of...

LSST:UK Science Centre (LUSC)

(Funded effort - currently in 7 universities)

LSST:UK Science Centre programme



- Phase A funding from STFC started in 2015
 - £2.7M for prototyping UK Data Access Centre and designing/developing data analysis software
 - £15M operations contribution: data rights for 100 faculty + 400 postdocs/students from UK

LSST status







Ian Shipsey LSST camera team (2008-)

- LSST status
- UK science interests in LSST
 - Solar System Wes Fraser
 - Transients & Variable Stars Mαrk Sullivan
 - Stars, Milky Way & Local Volume Phil Lucαs
 - Galaxies Sugata Kaviraj
 - Active Galactic Nuclei Carole Mundell
 - (lunch)
 - Dark Energy science Benjamin Joachimi

- LSST status
- UK science interests in LSST
- Synergies with other UK activities
 - Informatics & Statistics Jason McEwen
 - Synergies with Euclid & SKA David Bacon
 - LSST & Liverpool Telescope 2 Chris Copperwheat
 - LSST & UK particle physics Ian Shipsey

LSST Statistics at Lunchtime

A meeting largely to answer statisticians' questions about LSST

Bring your own sandwiches to the Linnean Society Council Room

Organiser – Tim Naylor

Anyone who has not so far been invited is welcome to attend, but please e-mail timn@astro.ex.ac.uk

- LSST status
- UK science interests in LSST
- Synergies with other UK activities

- Further information
 - Website: www.lsst.ac.uk
 - Wiki: lsst-uk.atlassian.net
 - Email: rgm@roe.ac.uk