

Multi-Object Spectroscopy in the Next Decade: Big Questions, Large Surveys and Wide Fields

Santa Cruz de La Palma, Canary Islands, 2-6 March 2015

First Announcement

The Isaac Newton Group of Telescopes is pleased to announce an international astronomy conference *Multi-Object Spectroscopy in the Next Decade: Big Questions, Large Surveys and Wide Fields*, to be held on the island of La Palma, Canary Islands from 2nd to 6th March 2015.

Surveys of the sky across the electromagnetic spectrum from ground- and space-based observatories are central to progress in astronomy. Ongoing and planned surveys in the coming decade are motivated by some of the most compelling questions confronting astronomers, for example: Why is the expansion of the universe accelerating? What is the nature and distribution of dark matter? How do galaxies form and evolve? What is the fossil record of the assembly of the Milky Way?

Several next-generation survey spectrographs are already under development around the world. This conference will bring together a diverse cross-section of the international astronomical community to discuss the underlying science aspirations of the impending massive spectroscopic surveys, explore strategies for optimising their scientific impact, summarise lessons learned from previous large-scale surveys, and share the technical challenges of developing and operating the sophisticated instruments which will make these studies feasible.

Conference Themes

Galactic archaeology, star formation and evolution, galaxy evolution, cosmology, time-domain astronomy, current and future surveys and instruments.

Scientific Organising Committee

Joss Bland-Hawthorn (U. Sydney); Adam Bolton (U. Utah); Michele Cirasuolo (ROE); Francesca Figueras (U. Barcelona); Amina Helmi (U. Groningen); Gary Hill (U. Texas); Alex de Koter (U. Amsterdam); Alfonso López Aguerra (IAC); Bob Nichol (U. Portsmouth); Bianca Poggianti (U. Padova); Huub Röttgering (Leiden U.); Ian Skillen (ING, co-chair); Scott Trager (U. Groningen, co-chair); Risa Wechsler (Stanford U.); Rosie Wyse (Johns Hopkins U.).

Key Dates

15 th September 2014	Second announcement; registration and abstract submission open
28 th November 2014	Final announcement
15 th December 2014	Abstract submission deadline
16 th January 2015	Full programme and abstracts published
30 th January 2015	Registration and payment deadline
30 th April 2015	Submission deadline for manuscripts

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25th July 2014

