



# Water in the gas phase

Theo Murphy scientific meeting  
13 – 14 June 2011

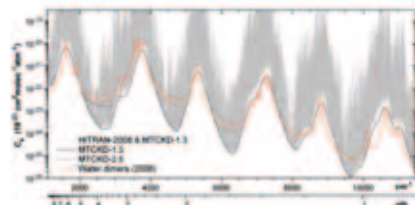
The Kavli Royal Society International Centre,  
Chicheley Hall, Buckinghamshire

Organised by Professor Jonathan Tennyson FRS, Professor Keith Shine FRS,  
Professor Ewine van Dishoeck, Professor Peter Bernath and Dr Jonathan Taylor



THE ROYAL SOCIETY

# Water in the gas phase



## Organised by

Professor Jonathan Tennyson FRS, University College London;  
Professor Keith Shine FRS, University of Reading; Professor Ewine van Dishoeck, Leiden Observatory; Professor Peter Bernath, University of York  
and Dr Jonathan Taylor, Met Office.

## Synopsis

Water vapour's interaction with light is fundamental to understanding the Earth's climate, extrasolar planets (including attempts to detect life) and the chemistry of the interstellar medium. The meeting will focus on fundamental developments in the spectroscopy of water, including its continuum, its role in the Earth's energy budget, and latest astronomical observations, including those from the Herschel space telescope.

Front image: Artist's impression of exoplanet HD189733b, the first exoplanet upon which steam was identified. Image courtesy of C Carreau, European Space Agency

Back image: Continuum absorption of water. Image courtesy of Dr Igor Ptashnik.

## Speakers and chairs

Dr France Allard, Dr Yuri Baranov, Professor Edward Bergin, Dr Oleg Boirarkine, Professor Jose Cernicharo, Dr Tom Gardiner, Mr Paul Green, Professor Jean-Michel Hartmann, Dr Joseph Hodges, Dr Rod Jones, Professor Claude Leforrestier, Dr Eli Mlawer, Dr Stuart Newman, Dr Oleg Polyansky, Dr Igor Ptashnik and Dr Giovanna Tinetti.

## Registration

This meeting is free to attend, however participants will need to cover their accommodation and catering costs. Pre-registration is essential. To register, please visit:

**[royalsociety.org/events/  
water-gas-phase](http://royalsociety.org/events/water-gas-phase)**



**Issued: February 2011 DES2115**

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