



**Simposio Internacional:** La radiación del Fondo Cósmico de Microondas: mensajera de los orígenes del universo

**International Symposium: CMB Radiation: Messenger of the Origins of Our Universe**

Madrid, 6 de noviembre de 2014

*Madrid, November 6, 2014*

## **Rafael Rebolo López**

Director of the Instituto de Astrofísica de Canarias (IAC) and Research Professor at National Council for Research (CSIC). External Professor at Max Planck Institute for Astronomy, Heidelberg.

Graduated in Physics. Univ. of Granada (1984). PhD thesis Univ. of La Laguna (1987) Since 1988 Researcher at CSIC and IAC. Former Head of the Research Division of the IAC. Scientific Director of "IAC- Severo Ochoa" Center of Excellence.

Currently:

Principal Investigator of the QUIJOTE Experiment for CMB polarization studies. Co-PI of ESPRESSO (VLT) for detection of exo-Earths. Co-PI for AOLI for WHT.

Co-Investigator of the Planck and Euclid space missions.

Former member of the Science working group of the Extremely Large European Telescope (39 m). Member of several Boards in European and American Astronomy (OPTICON, ASTRONET, EARA, AURA, etc).

Main research results:

Discovery of brown dwarfs and free-floating planetary –mass objects; pioneered studies on the anisotropy of the Cosmic Microwave Background, on the galactic evolution of light elements and on the origin of black holes.

300 refereed papers with more than 12000 citations

16 PhD thesis supervised; 4 theses currently under supervision

Corresponding Member of the Royal Spanish Academy of Sciences.

Member of the Max Planck Society.

Recipient of 2 of the most outstanding research awards in Spain (Iberdrola and Jaime I Research Prizes).