

Prof Ian Shipsey
University of Oxford



Ian is the Henry Moseley Centenary Professor of Experimental Physics, and Head of the Department of Physics at Oxford. He is an experimental particle physicist. He works in large international science collaborations. These collaborations seek to understand how the universe was born, how it will evolve and how it will end using particle accelerators and telescopes. Ian studies heavy quarks and the Higgs Boson, searches for dark matter, and studies dark energy. He develops the instrumentation that enables these studies; most recently a pixel detector that identified the Higgs Boson for the first time. His contributions to the elucidation of the physics of heavy quarks were recognised by Fellowship of the American Physical Society in 2002 and his contributions to particle physics at the Large Hadron Collider by Fellowship in the American Association for the Advancement of Science in 2012. He was elected Chairperson of the Collaboration Board of the Compact Muon Solenoid Experiment (CMS) at the LHC at CERN, Switzerland (2013), elected a member of the Board of Directors of the Large Synoptic Survey Telescope Corporation (2009-12 & 2017-2021), the co-coordinator of the LHC Physics Center at Fermi National Accelerator Laboratory (Fermilab) (2009-2012), and three times elected co-Spokesperson of the CLEO experiment at Cornell University (2001-2004). He was elected Chairperson of the APS Division of Particles and Fields (DPF) (2011-2014). Ian is profoundly deaf. He has given ninety colloquia and talks to the public on hearing, cochlear implants and perception since the miracle of a cochlear implant restored his hearing. A recent example is here: <https://podcasts.ox.ac.uk/bionic-hearing-science-and-experience>