

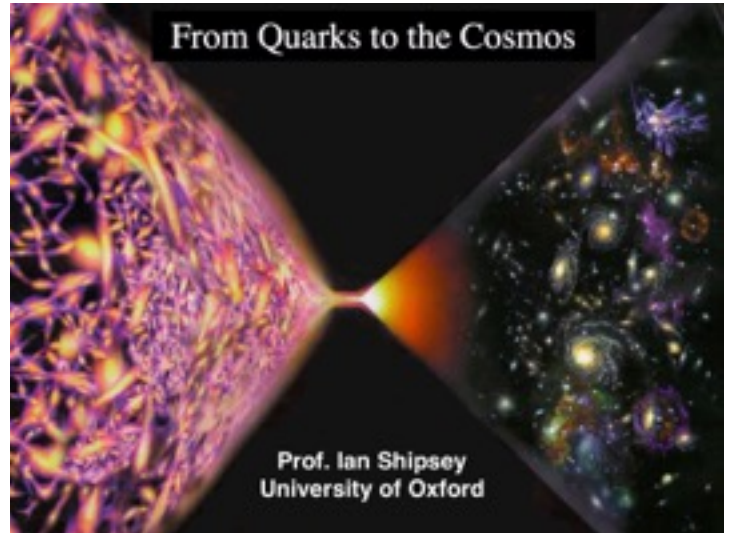
# A Public Talk by: Prof. Ian Shipsey From Quarks to the Cosmos

Organised by:

National Centre for Physics Islamabad  
(Wednesday, 30 August 2017 at 14:00 - 16:00)

Major advances are being made in understanding the nature of matter, energy, space, and time and in understanding the universe as a whole. This talk will give a brief review of recent progress in both particle physics and cosmology and the major outstanding questions which we optimistically anticipate will be answered by 2070.

**Prof. Ian Shipsey** is the Henry Moseley Centenary Professor of Experimental Physics at the University of Oxford. A particle physicist, he develops cameras that enable new ways of seeing the world. In 2012 Ian was elected Chairperson of the Compact Muon Solenoid experiment (CMS) at the Large Hadron Collider (LHC). He led several of the internal CMS reviews of the Higgs Boson searches in 2011. He was chosen by the US Department of Energy to lead the 50-university LHC Physics Center at Fermilab, USA (2009-2012) and earlier was the leader of the CLEO experiment at Cornell University, USA (2001-2004). He was a Director of the Large Synoptic Survey Telescope Corporation (2008-2012) and was the elected chair of the American Physical Society, Division of Particles and Fields the US professional organization of particle physicists in 2014. He is an expert on heavy quarks. He joined Oxford in late 2013 and the ATLAS experiment in mid-2015. He is a Fellow of the American Physical Society and the American Association for the Advancement of Science.



Left to Right Ian Shipsey (Chairperson-elect CMS Collaboration Board), Joe Incandela (CMS Spokesperson), Peter Higgs (Edinburgh) and John Ellis (CERN), on the day the Higgs discovery was announced: July 4, 2012.

## Who Can Participate:

This talk is intended for the general public and will be given at the level of Scientific American. Those who may be interested to understand the fundamental laws of nature and the mysteries of the universe can apply. The public and all university and advance level college students are encouraged to apply. **No TA/DA** will be admissible for this activity.

**Last date to apply is August 25, 2017.**

For Registration Click here: (Please fill the form not later then **August 25, 2017**)

<http://indico.ncp.edu.pk/indico/event/IanShipsey>

### Venue:

Main Auditorium  
National Centre for Physics,  
Quaid-i-Azam University Campus,  
ISLAMABAD

### Contact:

Dr. Muhammad Ahmad  
051-2077337, 0322-5338553  
Mr. Naveed Imran  
051-2077363, 03335009661

### Email:

email: [slp-2017@ncp.edu.pk](mailto:slp-2017@ncp.edu.pk)