

Before, behind and beyond the discovery of the Higgs boson. 20 – 21 January 2014

Organised by Professor John Ellis CBE FRS, Professor David Charlton and Professor Tejinder Virdee FRS

DAY 1				DAY 2			
SESSION 1 Chair – George Kalmus		SESSION 2		SESSION 3		SESSION 4	
09.00	Welcome by Julie Maxton & John Ellis Introduction by Alan Walker	Chairs – Roger Cashmore / Peter Dornan		Chairs – Bryan Webber / Nigel Glover		Chair – John Womersley	
09.15	Tom Kibble Spontaneous symmetry breaking in gauge theories	14.00	Paul Collier The technical challenges of the LHC	09.00	Ben Allanach Multiple Solutions in supersymmetry and the Higgs	13.30	Mikhail Shaposhnikov Higgs and cosmology
10.00	Luis Alvarez-Gaume From condensed matter to the standard model of particle physics	14.30	Austin Ball Technical challenges of the LHC experiments	09.30	Paris Sphicas Searches for supersymmetry	14.00	Oliver Buchmueller & Pippa Wells The upgraded ATLAS and CMS Detectors and their physics capabilities – I & II
10.30	Discussion	15.00	Discussion	10.00	Discussion	15.00	Discussion
11.00	Coffee	15.30	Tea	10.30	Coffee	15.30	Tea
11.30	Chris Llewellyn-Smith Genesis of the LHC	16.00	Fabiola Gianotti & Tejinder Virdee The Higgs boson discovery and measurements	11.00	Christophe Grojean Beyond the standard Higgs	16.00	Terry Wyatt Future accelerators for Higgs studies
12.00	Günther Dissertori The pre-LHC Higgs hunt			11.30	David Charlton Searches beyond supersymmetry	16.30	John Ellis Closing discussion
12.30	Discussion	16.30	Discussion	12.00	Discussion	17.00	CLOSE
13.00	LUNCH	17.00	CLOSE	12.30	LUNCH		