

Session Program

24-30 Jul 2016



**The 34th International Symposium on Lattice
Field Theory (Lattice 2016)**

Vacuum Structure and Confinement

Highfield Campus, University of Southampton
Highfield Campus, Southampton SO17 1BJ, UK

Friday 29 July

14:00

Vacuum Structure and Confinement

Session | **Location:** Highfield Campus, University of Southampton, Building 67 Room 1007 | **Convener:** Dr Nigel David Cundy

14:00–14:20 **Theta dependence in the large N limit**

Speaker

Dr Claudio Bonati

14:20–14:40

The large N limit of the topological susceptibility of Yang-Mills gauge theory

Speaker

Miguel Francisco Garcia Vera

14:40–15:00

Squared width and profile of the confining fluxtube in the U(1) LGT in 3D

Speaker

Mr Vadicchino Davide

15:00–15:20

Effects of magnetic fields on quark-antiquark interactions

Speaker

Dr Andrea Rucci

15:20–15:40

The spectra of (closed) confining flux tubes in $D=3+1$ and $D=2+1$ $SU(N)$ gauge theories.

Speaker

Dr Michael Teper

15:40–16:00

Flux Tubes in QCD with (2+1) HISQ Fermions

Speaker

Dr Leonardo Cosmai

16:00

16:30

Vacuum Structure and Confinement

Session | **Location:** Highfield Campus, University of Southampton, Building 67 Room 1007 | **Convener:** Prof. Cosmai Leonardo

16:30–16:50

Centre vortices are the seeds of dynamical chiral symmetry breaking

Speaker

Dr Waseem Kamleh

16:50–17:10

Complete Monopole Dominance of the Static Quark Potential

Speaker

Dr Nigel David Cundy

17:10–17:30

Quark confinement to be caused by Abelian or non-Abelian dual superconductivity in the $SU(3)$ Yang-Mills theory

Speaker

Akihiro Shibata

17:30-17:50

The Dark Side of the Propagators: analytical approach to QCD in the infrared of Minkowski space.**Speaker**

Prof. Fabio SIRINGO

17:50-18:10

Triple-gluon and quark-gluon vertex from lattice QCD in Landau gauge**Speaker**

Dr Andre Sternbeck

18:10-18:30

Landau gauge gluon vertices from Lattice QCD**Speaker**

Dr Paulo Silva

18:30