

# Gauge Topology 3: from Lattice to Colliders



## Report of Contributions

Contribution ID: 1

Type: **not specified**

# Confinement criteria and the Higgs mechanism

*Monday, 28 May 2018 09:20 (50 minutes)*

**Presenter:** GREENSITE , Jeff (San Francisco State University)

Contribution ID: 2

Type: **not specified**

# Adiabatic continuity and spectral conspiracy in adjoint QCD

*Monday, 28 May 2018 11:40 (50 minutes)*

**Presenter:** SHIFMAN, Mikhail (University of Minnesota)

Contribution ID: 3

Type: **not specified**

# **Topology and Chiral Symmetry Breaking at Nonzero theta angle**

*Monday, 28 May 2018 10:10 (50 minutes)*

**Presenter:** VERBAARSCHOT, Jacobus (Stony Brook University)

Contribution ID: 4

Type: **not specified**

## **Gluon propagator and vertex from lattice QCD: a path to the instanton liquid parameters?**

*Monday, 28 May 2018 14:30 (50 minutes)*

**Presenter:** DE SOTO, Feliciano (Pablo de Olavide)

Contribution ID: 5

Type: **not specified**

# Topological Charge in Lattice QCD and the Chiral Condensate

*Monday, 28 May 2018 16:00 (50 minutes)*

**Presenter:** ATHENODOROU, Andreas (The Cyprus Institute)

Contribution ID: 6

Type: **not specified**

## Monopoles and instantons dyons

*Tuesday, 29 May 2018 09:20 (50 minutes)*

**Presenter:** SHURYAK, Edward (Stony Brook University)

Contribution ID: 7

Type: **not specified**

## **Recent Progress in Understanding the Role of Monopoles in QCD**

*Tuesday, 29 May 2018 10:10 (50 minutes)*

**Presenter:** RAMAMURTI, Adith (Stony Brook University)



Contribution ID: 8

Type: **not specified**

## Topology in hot QCD with four quark flavours

*Tuesday, 29 May 2018 16:00 (50 minutes)*

**Presenter:** LOMBARDO, Maria Paola (INFN Frascati)

Contribution ID: 9

Type: **not specified**

# UA(1) breaking from the lattice and its topological origin

*Tuesday, 29 May 2018 14:30 (50 minutes)*

**Presenter:** SHARMA, Sayantan (The Institute of Mathematical Sciences)

Contribution ID: **10**

Type: **not specified**

## **Topological susceptibility in QCD at high temperature: a status report**

*Tuesday, 29 May 2018 11:40 (50 minutes)*

**Presenter:** BONATI, Claudio (University of Pisa)

Contribution ID: 11

Type: **not specified**

## **Resurgence, Large N and Phase Transitions**

*Wednesday, 30 May 2018 09:20 (50 minutes)*

**Presenter:** DUNNE, Gerald (University of Connecticut)

Contribution ID: 12

Type: **not specified**

## **Topological properties of $CP^{(N-1)}$ models in the large-N limit**

*Wednesday, 30 May 2018 10:10 (50 minutes)*

**Presenter:** BONANNO, Claudio (University of Pisa )

Contribution ID: 13

Type: **not specified**

## **A scalar $SO(3)$ -theory and its topological excitations**

*Wednesday, 30 May 2018 11:40 (50 minutes)*

**Presenter:** FABER, Manfred (Atominstiut)

Contribution ID: 14

Type: **not specified**

## **Recent Results on the confining string in Lattice Gauge Theories**

*Thursday, 31 May 2018 09:20 (50 minutes)*

**Presenter:** CASELLE, Michele (University of Turin)

Contribution ID: 15

Type: **not specified**

## **Baryon bags in lattice QCD**

*Thursday, 31 May 2018 10:10 (50 minutes)*

**Presenter:** GATTRINGER, Christof (Karl Franzens Universität Graz)



Contribution ID: 16

Type: **not specified**

# **The chiralspin symmetry of confinement and its implications for QCD**

*Thursday, 31 May 2018 11:40 (50 minutes)*

**Presenter:** GLOZMAN, Leonid (University of Graz)

Contribution ID: 17

Type: **not specified**

# Topological Properties of SU(3) Yang Mills Theory With Double Trace Deformation

*Thursday, 31 May 2018 14:30 (50 minutes)*

**Presenter:** CARDINALI, Marco (University of Pisa)

Contribution ID: **18**

Type: **not specified**

## **Lattice calculation of sphaleron diffusion rate in gluodynamics**

*Thursday, 31 May 2018 16:00 (40 minutes)*

**Presenter:** KOTOV, Andrey (Institute Theoretical & Experimental Physics - Moscow)

Contribution ID: **19**

Type: **not specified**

# **Gauge Theory, Topology and Geometry**

*Friday, 1 June 2018 09:20 (50 minutes)*

**Presenter:** MARATHE, Kishore (City University of New York)

Contribution ID: 20

Type: **not specified**

## **Nonequilibrium axial charge production in expanding Glasma flux tubes**

*Friday, 1 June 2018 10:10 (50 minutes)*

**Presenter:** TANJI, Naoto (ECT\*)

Contribution ID: **21**

Type: **not specified**

## **talk 21**