Session Program

26 July 2026 to 1 August 2026

The 43rd International Symposium on Lattice Field Theory (Lattice 2026)

Vacuum structure and confinement

University of Maryland, College Park
Adele H. Stamp Student Union 3972 Campus Dr College Park, MD 20742, United States

Wednesday 29 July

09:00

Vacuum structure and confinement

Session |
Location: Adele H. Stamp Student Union, Thurgood Marshall, 3972 Campus Dr, College Park, MD 20742 |
Convener: Dr Claudio Bonanno

09:00–09:20

Setting the physical scale for lattice simulations using the gluon propagator and the understanding of finite size effects

Speaker
Orlando Oliveira

09:20–09:40

Step-scaling determination of the SU(N) Λ-parameter in the twisted gradient flow scheme

Speaker
Andrea Giorgieri

09:40–10:00

Gradient-Flow Actions, Integerness, and Gluonic--Fermionic Topology Matching in SU(3) Yang--Mills Theory

Speaker
Akio Tomiya

10:00–10:20

Dyon Condensation at $\theta=2\pi$ from Wilson-'t Hooft Loops in Yang-Mills Theory

Speaker
Dr Okuto Morikawa

10:20–10:40

Emergence of magnetic monopoles due to violation of the non-Abelian Bianchi identity

Speaker
Akihiro Shibata

10:40

11:10

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11:10–11:30

Ground States of adjoint SU(2) from Neural Newtork assisted Variational Montecarlo

Speaker
David Ward

11:30–11:50

Confining flux tube in the trace deformed (2+1) dimensional $\mathrm{SU}(2)$ gauge theory

Speaker
Dario Panfalone

11:50–12:10
Flux Tube Entanglement Entropy across Temperature, Geometry, and Gauge Group

Speaker
Rocco Amorosso

12:10–12:30 **I = 2 pion scattering length in the large-N limit**

Speaker
Dr Claudio Bonanno

12:30