

LATTICE 2010: Overture

XXI years later:

From one island (Capri) to another (Sardinia)



DIPARTIMENTO DI FISICA



SAPIENZA
UNIVERSITÀ DI ROMA

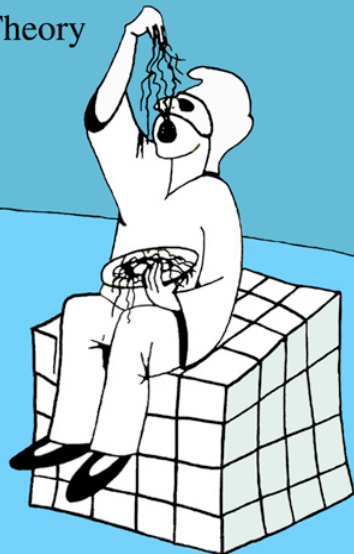


Tanka Village Villasimius June 14th 2010

Guido Martinelli

LATTICE '89 CAPRI

The 1989 Symposium on Lattice Field Theory
Capri (Italy) September 18-21, 1989



Topics

Hadron and Glue Spectrum
Heavy Quark Potentials
Weak Interaction Physics
Structure Functions
Topological Sector
Deep Inelastic Scattering
Small Volume Expansions
Deconfining Transition
Simulation Algorithms
Internal Fermion Loops
Higgs Models
Renormalization Group Techniques
Quantum Path Integrals
 Φ^4 Theory
Triangulated and Lattice Surfaces
QED
High T_c Superconductivity
Theory of Turbulence
Disordered Systems
Dedicated Computers

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N. Cabibbo, Univ. di Roma "Tor Vergata"
L. Maiani, Univ. di Roma "La Sapienza"
E. Marinari, Univ. di Roma "Tor Vergata"
G. Martinelli, Univ. di Roma "La Sapienza"
G. Parisi, Univ. di Roma "Tor Vergata"
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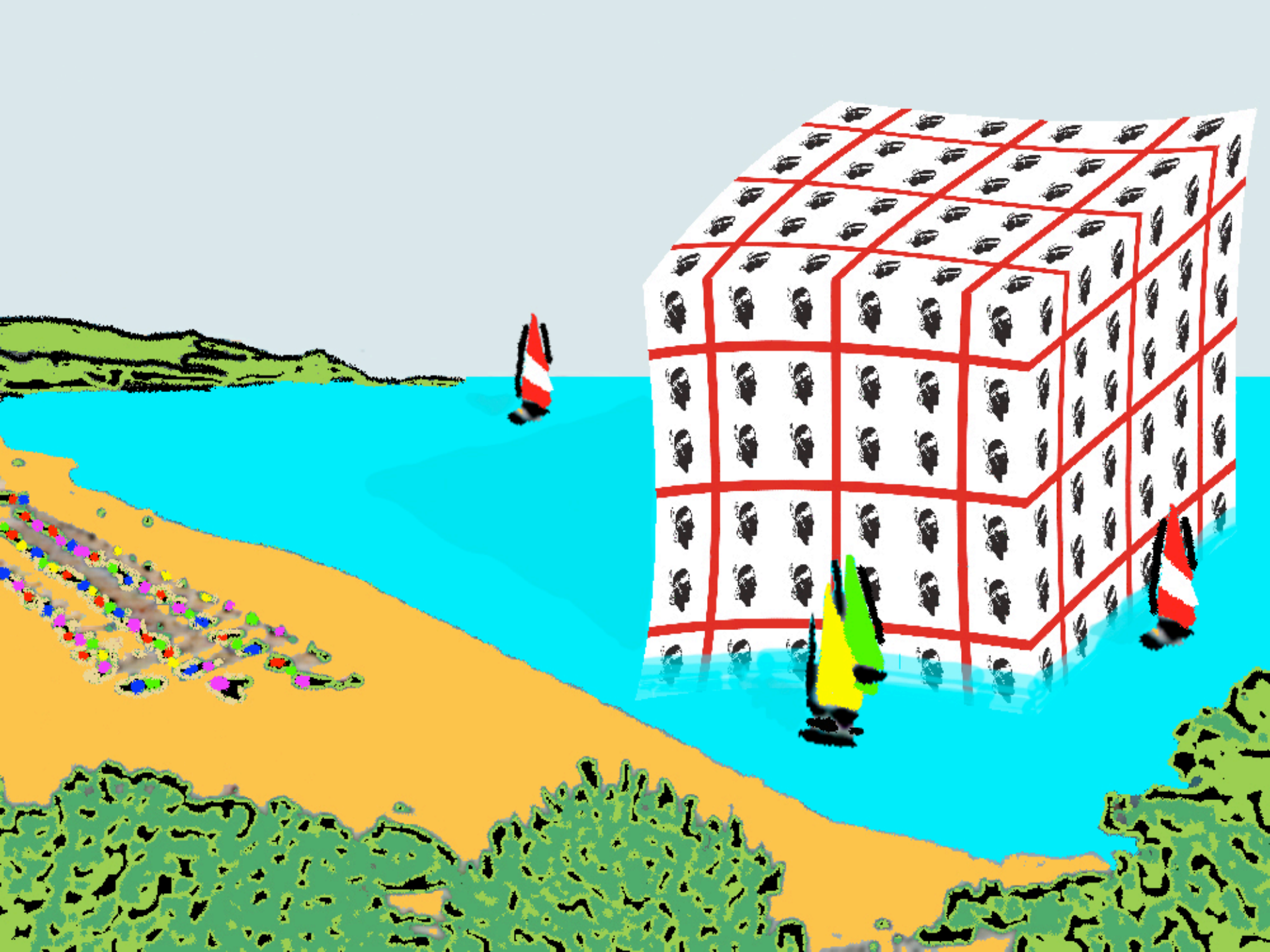
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*Vittorio Lubicz
was just starting
his undergraduate
thesis &
Nazario Tantalo
was at
the kindergarten*



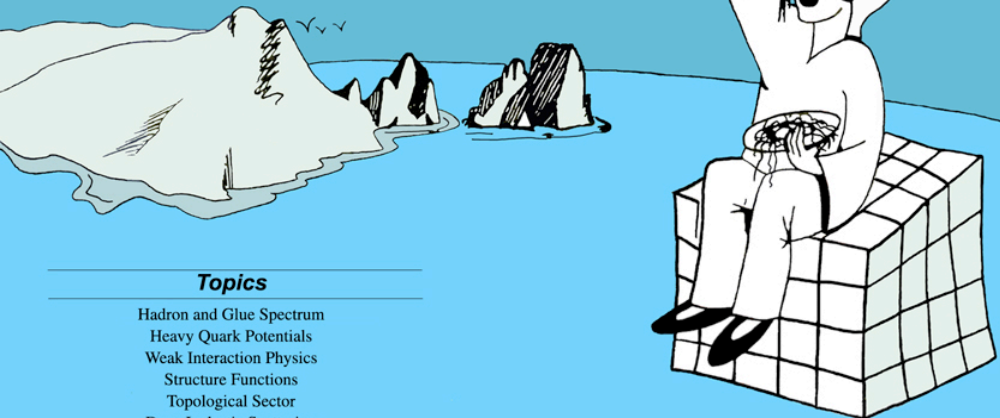
XXVII International Symposium on Lattice Field Theory



JUNE 13-16 2010

LATTICE '89 CAPRI

The 1989 Symposium on Lattice Field Theory
Capri (Italy) September 18-21, 1989



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9:15 HADRON SPECTRUM ON THE LATTICE
Christian Hölbling

8:30 PHENOMENOLOGY FROM THE LATTICE
Chris Sachrajda

9:15 HEAVY FLAVORS ON THE LATTICE
Jochen Heitger

10:30 HADRON STRUCTURE & FORM FACTORS
Constantia Alexandrou

11:15 LIGHT FLAVORS ON THE LATTICE
Jack Laiho

8:30 FINITE TEMPERATURE QCD
Kazuyuki Kanaya

10:30 QCD AT FINITE DENSITY
Sourendu Gupta

8:45 TOPOLOGY, THE WILSON FLOW & THE HMC ALGORITHM
Martin Lüscher

9:15 THE CONFORMAL WINDOW ON THE LATTICE
Luigi Del Debbio

10:30 LATTICE QUANTUM GRAVITY
Renate Loll

11:00 EXACT LATTICE SUSY AND AdS/CFT
Simon Catterall

8:30 COMPUTATIONAL BIOLOGY
Eytan Domany

9:30 GRAPHENE: FROM MATERIAL SCIENCE TO PARTICLE PHYSICS
Joaquin Drut

LATTICE 2010

the XXVIII International Symposium on Lattice Field Theory

June 14-19

Villasimius - Sardinia - Italy



TOPICS

- Algorithms and machines
- Applications beyond QCD
- Chiral symmetry
- Hadron spectroscopy
- Hadronic structure and Interactions
- Nonzero temperature and density
- Standard model parameters and renormalization
- Theoretical developments
- Vacuum structure and confinement
- Weak decays and matrix elements

CONTACT INFORMATION

Conference secretariat
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Mauro Mancusi (INFN Rome)
email: lat2010@lists.lfnf.it
website: <http://www.lfnf.it/Lattice2010>

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*Have a good
conference
with exciting
talks*

&

*sunny
weather*