



# 32nd International Symposium on Lattice Field Theory (Lattice 2014)

## Monday, 23 June 2014

### Physics beyond the standard model: Parallel 1C - 214 Pupin (14:15 - 15:55)

-Conveners: **Biagio Lucini**

time	[id] title	presenter
14:15	[44] Models of Walking Technicolor on the Lattice	Dr SINCLAIR, Donald
14:35	[142] Phase Structure Study of SU(2) Lattice Gauge Theory with 8 flavours	Ms HUANG, Cynthia Yu-Han
14:55	[276] SU(2) gauge theory with many flavors of domain-wall fermions	Dr MATSUFURU, Hideo
15:15	[278] Approaching Conformality	Mr NUNES DA SILVA, Tiago Jose
15:35	[289] Walking technicolor: testing infra-red conformality with exact results in two dimensions	Mr AKERLUND, Oscar

### Physics beyond the standard model: 2C - 214 Pupin (16:30 - 18:30)

-Conveners: **Luigi Del Debbio**

time	[id] title	presenter
16:30	[419] Higgs physics near the conformal window	Dr KUTI, Julius
16:50	[233] The low mass scalar impostor and the composite Higgs	Mr WONG, chik him
17:10	[404] Testing composite Higgs models on the lattice	Dr RINALDI, Enrico
17:30	[299] Targeting the Conformal Window: Measuring the $0^{++}$ Scalar	Mr WEINBERG, Evan
17:50	[324] Gauge and Higgs boson masses from an extra dimension	Dr MOIR, Graham
18:10	[126] Composite (Goldstone) Higgs Dynamics on the Lattice: Spectrum of SU(2) Gauge Theory with two Fundamental Fermions	Dr HIETANEN, Ari

# Tuesday, 24 June 2014

## Physics beyond the standard model: Parallel 3C - 214 Pupin (14:15 - 15:55)

-Conveners: David Lin

time	[id] title	presenter
14:15	[408] Beyond the Standard Model Kaon Mixing from Mixed-Action Lattice Simulations	Mr HANSEN, Maxwell
14:35	[339] Beyond the Standard Model Matrix Elements with the gradient flow	Dr SHINDLER, Andrea

## Wednesday, 25 June 2014

### Physics beyond the standard model: Parallel 5C - 214 Pupin (09:00 - 10:40)

-Conveners: Kei-ichi Nagai

time	[id] title	presenter
09:00	[100] Improved gradient flow for step scaling function and scale setting	Prof. HASENFRATZ, Anna
09:20	[135] The gradient flow running coupling in SU2 with 8 flavors	Dr RANTAHARJU, Jarno
09:40	[137] SU(3) gauge theory with 12 flavours in a twisted box	Prof. LIN, C.-J. David
10:00	[347] Four-fermi anomalous dimension with adjoint fermions	Prof. DEL DEBBIO, Luigi
10:20	[68] Calculating the chiral condensate diagrammatically at strong coupling	Dr MYERS, Joyce

### Physics beyond the standard model: Parallel 6C - 214 Pupin (11:10 - 13:10)

-Conveners: Julius Kuti

time	[id] title	presenter
11:10	[105] Phase structure of the N = 1 supersymmetric Yang-Mills theory at finite temperature	Mr PIEMONTE, Stefano
11:30	[109] Lattice Formulations of Supersymmetric Gauge Theories with Matter Fields	Dr JOSEPH, ANOSH
11:50	[319] Loop formulation of supersymmetric Yang-Mills quantum mechanics	WENGER, Urs
12:10	[71] Simulating N=4 Super Yang-Mills	Prof. CATTERALL, Simon
12:30	[61] The continuum limit of lattice N=4 super-Yang-Mills	GIEDT, Joel
12:50	[207] Results from lattice studies of maximally supersymmetric Yang--Mills	SCHAICH, David

## Friday, 27 June 2014

### Physics beyond the standard model: Parallel 8C - 214 Pupin (14:15 - 15:55)

-Conveners: Anna Hasenfratz

time	[id] title	presenter
14:15	[182] Nuclear physics beyond QCD	Dr DETMOLD, William
14:35	[58] The bosonic side of composite dark matter	Dr BUCHOFF, Michael
14:55	[281] Dark matter baryon candidates in the sextet gauge model	Dr MONDAL, Santanu
15:15	[229] Scattering lengths in SU(2) Gauge Theory with two Fundamental Fermions	Dr DRACH, Vincent
15:35	[292] Gauge-invariant signature of spontaneous gauge symmetry breaking by the Hosotani mechanism	DE FORCRAND, Philippe

### Physics beyond the standard model: Parallel 9C - 214 Pupin (16:30 - 18:30)

-Conveners: Simon Catterall

time	[id] title	presenter
16:30	[158] Last results of N=1 supersymmetric Yang-Mills theory with some topological insights	Dr GIUDICE, Pietro
16:50	[63] Non-renormalization theorem and cyclic Leibniz rule in lattice supersymmetry	Prof. SAKAMOTO, Makoto
17:10	[407] Spectrum of the SU(4) lattice gauge theory with fermions in the anti-symmetric two index representation	Dr LIU, Yuzhi
17:30	[272] Light composite scalar and other spectra in Nf=8 QCD	Dr NAGAI, Kei-ichi
17:50	[285] Analysis of the scalar and vector channels in many flavor QCD	Mr OHKI, Hiroshi
18:10	[98] Phase structure and Higgs boson mass in a Higgs-Yukawa model with a dimension-6 operator	Mr NAGY, Attila