Strong and Electroweak Matter 2012 - Swansea University

	Tuesday	**Wednesday**	**Thursday**	**Friday**
9:00-10:30	Opening (15) M Lombardo (45) M Laine (25)	D Mateos (45) M Heller (45)	F Gelis (45) A Kurkela (45)	M Cirelli (45) S Huber (45)
10:30-11:00	coffee	coffee	coffee	coffee
11:00-12:35	K Fukushima (45) E Fraga (25) J Andersen (25)	D Teaney (45) P Arnold (25) A Vuorinen (25)	G Moore (25) D Sexty (25) M Alford (45)	A Tranberg (25) P Saffin (25) A Rajantie (45)
12:35-14:00	lunch	lunch	lunch	lunch
14:00	D Evans (45) M Strickland (25) A Rebhan (25) Y Burnier (25)	M Escobedo (25) T Schaefer (25) C Manuel (25) F Sannino (45)	A Schmitt (25) T Kojo (25) J Laporte (45)	J Serreau (25) M Garny (25) M Herranen (25) C James (25)
tea	16:00-16:30	16:00-16:30	15:35-16:00	15:40-16:10
	S Gupta (45) O Philipsen (45) W Unger (25) K Langfeld (25)	K Rummukainen (45) A Rago (25) P de Forcrand (25)	P Higgs (60)	D Gelfand (25) M York (25) M Carrington (25)
closing	18:50	18:05	17:00	17:25
		18:30 poster session with buffet and drinks	17:30 excursion 19:00 banquet	

Note:
45=40+5min 25=20+5min

Strong and Electroweak Matter 2012 - Swansea University

Plenary talks

Mark Alford	High amplitude oscillations in dense matter
Marco Cirelli	Direct and indirect searches for Dark Matter: status and perspectives
David Evans	Review of heavy-ion results from the LHC
Kenji Fukushima	Extreme QCD matter -- Fate of chiral symmetry in strong magnetic fields
Francois Gelis	The early stages of heavy ion collisions
Sourendu Gupta	The physics of hot and dense QCD
Michal Heller	Holography for thermalization: transition to hydrodynamics and its features
Stephan Huber	Electroweak baryogenesis
Aleksi Kurkela	Thermalization in collisions at extremely high energies
Jean-Francois Laporte	Latest LHC results
Maria-Paola Lombardo	Quarkonia in the Quark Gluon Plasma
David Mateos	Strong coupling isotropization simplified
Owe Philipsen	Towards hot and dense QCD from first principles
Arttu Rajantie	Cosmological perturbations from non-equilibrium quantum fields
Kari Rummukainen	Technicolor and the conformal window on the lattice
Francesco Sannino	Composite dynamics for the electroweak theory, Dark Matter and inflation
Derek Teaney	Dynamical Hawking radiation and holographic thermalization
Peter Higgs	My life as a boson

Contributed talks

Jens O. Andersen	The chiral transition in a magnetic background - finite density effects
Peter Arnold	Coupling dependence of jet quenching in hot strongly-coupled gauge theories
Yannis Burnier	Anomaly induced charge dependence of the elliptic flow in heavy ion collisions
Margaret Carrington	Preliminary results from the 4PI effective action
Philippe de Forcrand	A surprise in the phase diagram of many-flavor staggered fermions
Miguel Angel Escobedo	Jet broadening and a gauge invariant jet quenching parameter with Soft-Collinear Effective Theory
Eduardo Fraga	Chiral transition and deconfinement in the presence of a magnetic background
Mathias Garny	Towards a quantum treatment of leptogenesis
Daniil Gelfand	Preheating with fermions
Matti Herranen	Transport theory of resonant Leptogenesis from nonequilibrium QFT
Clancy James	Results from the ANTARES underwater neutrino telescope
Toru Kojo	Interweaving chiral spirals
Mikko Laine	Heavy quark kinetic and chemical equilibration
Kurt Langfeld	O(2) quantum theory at finite densities and the generalised density of states
Cristina Manuel	Shear viscosity in a superfluid cold Fermi gas at unitarity
Guy Moore	Gauge field evolution at high occupancy
Antonio Rago	Non-perturbative investigation of conformality in SU(2) gauge theory with two adjoint fermions
Anton Rebhan	The (better) fate of nonabelian plasma instabilities in 3+1 dimensions with longitudinal expansion
Paul Saffin	Low-cost dynamical fermions and electroweak baryogenesis
Thomas Schaefer	Continuity of the deconfinement transition in (Super) Yang Mills Theory
Andreas Schmitt	Superfluid components in color-flavor locked quark matter
Julien Serreau	Effective potential for quantum scalar fields on a de Sitter geometry

Denes Sexty	Bose condensation far from equilibrium
Michael Strickland	Anisotropic hydrodynamics
Anders Tranberg	Cold Electroweak Baryogenesis with two Higgses
Wolfgang Unger	2-flavor formulation of strong coupling Lattice QCD
Aleksi Vuorinen	Holographic photon and dilepton production in a thermalizing plasma
Mark York	3-loop 3PI effective action for 3D QCD

Posters

Yukinao Akamatsu	Real-time dynamics of heavy quark systems at high temperature
Ramon F. Alvarez-Estrada	Nonequilibrium quantum meson gas: dimensional reduction
Ed Bennett	SU(2) with one Dirac flavour in the adjoint representation
Andre Bessa	Pressure of massless hot scalar fields in the boundary effective theory framework
Tomas Brauner	Temperature dependence of CP violation in the Standard Model
Francis Bursa	Spectroscopy of SU(2) with two adjoint fermions on the lattice
Alina Czajka	N=4 Super Yang-Mills plasma
Katarzyna Deja	Energy loss in unstable Quark-Gluon Plasma
Marco Drewes	Baryogenesis and Dark Matter from sterile neutrinos
Thomas Epelbaum	Thermalization in classical statistical field theory
Wynne Evans	Charmonium potential at non-zero temperature
Anthony Francis	Aspects of chiral symmetry restoration from two-flavour lattice QCD correlation functions
Jean-Sebastian Gagnon	Baryon Asymmetry from first principles without Boltzmann or Kadanoff-Baym
Florian Gautier	On the Langevin description of non-equilibrium quantum field dynamics
Fejos Gergely	Phase transition in the U(N)xU(N) meson model from large-N approximation
Jacobo Ghiglieri	The photon production rate at NLO

Ioan Ghisoiu	Debye mass to three-loop order in hot QCD
Pietro Giudice	New insights into dense two-color matter
Tomoya Hayata	New derivation of QCD sum rules based on commutation relations
Janine Huetig	Thermal Leptogenesis -- including gauge interactions
Antal Jakovac	Indistinguishability of particles and thermodynamics
Frank James	Complex Langevin dynamics in the SU(3) spin model at nonzero chemical potential
Kimmo Kainulainen	Flavoured quantum transport equations from cQPA
Tigran Kalaydzhyan	Chiral superfluidity of the Quark-Gluon Plasma
Alexander Kartavtsev	Dynamics of mixing fields: a basis-independent analysis
Aoife Kelly	Spectral functions of charmonium in 2+1 flavour lattice QCD
Seyong Kim	Heavy quarkonium in two color QCD at non-zero baryon density/temperature
Daniel Kroff	Effective Potential in the boundary effective theory framework
Edwin Laermann	Taylor goes imaginary
Jens Langelage	Effective lattice theory for hot and/or dense QCD
Biagio Lucini	Scaling properties of SU(2) gauge theory with mixed fundamental-adjoint action
Gergely Marko	Nature of the thermal phase transition of the scalar phi^4 model at the two-loop approximation of the 2PI formalism
Peter Mati	The Bloch-Nordsieck Model at zero and finite temperature
Dhagash Metha	On the sign problem in supersymmetric Yang-Mills theories on the lattice
Frank Michler	Off-equilibrium photon production at the chiral phase transition
Kohtaroh Miura	Thermodynamic lattice study for walking dynamics in strongly flavoured gauge theory
Sylvain Mogliacci	Quark number susceptibilities from different resummed perturbation theories
Joyce Myers	Deconfinement transitions of large N QCD with chemical potential at weak and strong coupling
Germano Nardini	MSSM Electroweak Baryogenesis and LHC Data
Hiromichi Nishimura	Confining gauge theories with adjoint Higgs on R3 X S1

Tiago Nunes da Silva	Unraveling the conformal window on the lattice
Leticia Palhares	Functional Renormalization Group analysis of relativistic Bose-Einstein condensation
Roberto Pellegrini	Interface tension in the 3d 4 state Potts model
Florian Preis	Inverse magnetic catalysis in dense matter
Daisuke Satow	Ultrasoft fermionic mode in hot gauge theories
Christian Schaefer	Computation of the 2nd order transport coefficient kappa in the gluon plasma
Kai Schwenzer	Pulsars as a probe for dense matter
Dominik Steineder	Comparing models of (strongly coupled) anisotropic plasma
Rainer Stiele	The QCD phase transition at high isospin asymmetry
Tomohiro Takesako	Stochastic approach for flat and non-flat direction systems in the inflationary Universe
Jos Van Doorsselaere	Superconducting properties of the QCD and electroweak vacuum in a strong magnetic field
David Weir	Form factors of a 't Hooft-Polyakov monopole
Daniel Yueker	Modeling phase transitions in dynamical environments