

Programme

Strangeness in Quark Matter Conference 2013

 **SQM**
2013

22nd – 27th July

University of Birmingham
Birmingham
United Kingdom

<http://www.ep.ph.bham.ac.uk/SQM2013>

Programme

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Programme

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Sunday 21st July

	Event	Venue
18:30 – 21:00	Welcome Reception	Physics Bridge Study Room (R13)

Programme

Monday 22nd July

08:30 – 09:30	Registration	Arts Building (R16)
Start	Opening Talks	Arts Building (R16) Room 120
09:30	Welcome	Vice Chancellor – Prof. David Eastwood
10:00	Opening Talk - Experiment	Helen CAINES
10:35	Opening Talk - Theory	Marcus BLEICHER
11:10	<i>Coffee Break</i>	
	Plenary 1	Arts Building (R16) Room 120
11:30	Strangeness Overview - Experiment	Boris HIPPOLYTE
12:05	Strangeness Overview - Theory	Francesco BECATTINI
12:50	<i>Lunch</i>	<i>Staff House</i>
	Plenary 2	Arts Building (R16) Room 120
14:20	ALICE Overview	Mateusz PLOSKON
14:50	Recent Results on Strangeness Production at STAR	Xianglei ZHU
15:20	Identified charged hadron spectra and ratios in PHENIX	Ron BELMONT
15:50	ALICE Strangeness	Lee BARNBY
16:20	<i>Coffee Break</i>	
	Plenary 3	Arts Building (R16) Room 120
16:50	Heavy Flavour/Quarkonia	Raphael GRANIER DE CASSAGNAC
17:25	Heavy Flavour/Quarkonia	Ramona VOGT
18:00	<i>End</i>	

Programme

Tuesday 23rd July

Start	Plenary 4	Arts Building (R16) Room 120
09:00	ALICE quarkonia	Giuseppe BRUNO
09:30	STAR HF and Quarkonia	Daniel KIKOLA
10:00	Latest PHENIX Results on Heavy Quarks and Quarkonia	Denis JOUAN
10:30	<i>Coffee Break</i>	
	Plenary 5	Arts Building (R16) Room 120
11:00	ALICE HF	Diego STOCCO
11:30	Open and closed heavy-flavour suppression in heavy-ion collisions with CMS	Mihee JO
12:00	Monte Carlo	Klaus WERNER
12:30	<i>Lunch</i>	<i>Staff House</i>
	Parallel Session 1	
14:00	Strangeness 1	Arts Building (R16) Room 120
14:00	Low Energy / Heavy Flavour	Arts Building (R16) Room 125
14:00	Flow	Arts Building (R16) Room 127
16:00	<i>Coffee Break</i>	
	Parallel Session 2	
16:20	Heavy Flavour 1	Arts Building (R16) Room 120
16:20	Polarisation Observables and eA	Arts Building (R16) Room 125
16:20	Flow	Arts Building (R16) Room 127
18:00	<i>End</i>	
18:30 – 20:00	Poster Session	Physics Bridge Study Room (R13)

Tuesday 23rd July – Parallel Sessions

Strangeness 1		Arts Building (R16) Room 120		Low Energy / Heavy Flavour		Arts Building (R16) Room 125		Flow		Arts Building (R16) Room 127	
14:00	Centrality dependence of pion and kaon production in Pb+Pb collisions at SPS energies.	Herbert STROEBELE		INFLUENCE OF THE IN-MEDIUM POTENTIAL OF KAON PRODUCTION IN HEAVY ION COLLISIONS		Dr. Pornrad SRISAWAD		Anisotropic flow of strange and multi-strange particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ALICE detector		You ZHOU	
14:20	Status and results from the NA61/SHINE experiment at the CERN SPS	Zoltan FODOR		Phenomenology of high-density quark matter		Giorgio TORRIERI		ATLAS event-by-event flow measurements in lead-lead collisions		Adam TRZUPEK	
14:40	Production of $\pi/K/p$ in pp and Pb-Pb collisions measured with ALICE.	Marek CHOJNACKI		Strongly interacting parton-hadron matter in- and out-off equilibrium		Elena BRATKOVSKAYA		Thermalization of massive partons in anisotropic medium		Radoslaw RYBLEWSKI	
15:00	Kaon femtoscopy in 200 GeV central Au+Au collisions at STAR	Robert VERTESI		The Production of K^0 's in p+p Reactions		Jia-Chii BERGER-CHEN		Effects of Jets in the Flow Observables		Prof. Jun TAKAHASHI	
15:20	Study of angular correlations triggered by V0 strange particles in Pb-Pb collisions at 2.76 TeV per nucleon pair	Marek BOMBARA		Strange meson spectral functions and cross sections in hot and dense nuclear matter		Daniel CABRERA		Landau hydrodynamics for the non-central heavy-ion collisions and longitudinal scaling of elliptic flow		Karolis TAMOSIUNAS	
15:40	Multiplicity fluctuations of identified hadrons in p+p interactions at SPS energies	Andrzej Gabriel WILCZEK		Gluon radiation by heavy quarks		Thierry GOUSSET		Charge Asymmetry Dependency of π/K v2 in U+U Collisions at $\sqrt{s_{NN}} = 193$ GeV at STAR		Qi-Ye SHOU	
Coffee Break											
Coffee Break											
16:00	Coffee Break										
Heavy Flavour 1		Arts Building (R16) Room 120		Polarisation Observables and eA		Arts Building (R16) Room 125		Flow		Arts Building (R16) Room 127	
16:20	Nuclear Modification Factor and Elliptic Flow of Muons from Heavy-Flavour Hadron Decays in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE	Xiaoming ZHANG		Turbulence, Vorticity and Lambda Polarization		Laszlo Pal CSERNAI		An Inverse Magnetic Catalysis Effect Induced by Sphalerons		Dr. Jingyi CHAO	
16:40	Heavy Quark Energy Loss and Bulk Physics	Dr. W A HOROWITZ		Relativistic distribution function for particles with spin at local thermodynamical equilibrium		Eduardo GROSSI		Flavor hierarchy in the confinement transition of QCD		Dr. Marcus BLUHM	
17:00	From the RAA to azimuthal correlations: what can we learn from heavy-quark observables?	Dr. Marlene NAHRGANG		Hyperon Polarization in Heavy ion Collisions		Prof. Celso BARROS		Quark-hadron phase transition in the three flavor PNJL model		Kanako YAMAZAKI	
17:20	Heavy Flavour Suppression: Boltzmann vs Langevin	Dr. Santosh Kumar DAS		eRHIC: A Precision Tool for Studying Nuclear Structure.		Thomas BURTON		Transport coefficients from the Nambu-Jona-Lasinio model for SU(3)f		Rudy MARTY	
17:40	Shear viscosity of hadrons with K-matrix cross sections	Anton WIRANATA		LHeC		Paul NEWMAN		Diffusion of non-Gaussianity in heavy ion collisions		Masakiyo KITAZAWA	

Programme

Wednesday 24th July

Start	Plenary 6	Arts Building (R16) Room 120
09:00	Strange Quark Matter (Astro)	ALFORD, Mark
09:30	First 3 seconds	RAFELSKI, Johann
10:00	First Principles Calculation of Finite Temperature Charmonium Potentials	ALLTON, Chris
10:30	<i>Coffee Break</i>	
	Plenary 7	Arts Building (R16) Room 120
11:00	Role of fluctuations in detecting the QCD phase transition	REDLICH, Krzysztof
11:30	Holographic descriptions of dense quark matter	KUMAR, Prem
12:00	Local Thermal Equilibrium and non homogeneities in Initial Condition	KODAMA, Takeshi
Excursion		
12:30 – 18:45	<i>A packed lunch will be provided</i>	Warwick Castle or Malvern Hills

Programme

Thursday 25th July

Start	Plenary 8	Arts Building (R16) Room 120
09:00	Hydrodynamic models of particle production	BOZEK, Piotr
09:30	Interpretation of strange hadron production at LHC	PETRAN, Michal
10:00	Thermal model	STACHEL, Johanna
10:30	<i>Coffee Break</i>	
	Plenary 9	Arts Building (R16) Room 120
11:00	Latest LHCb results from the pA/Ap data	ZHONG, Liang
11:30	ALICE pA	Dr. MORSCH, Andreas
12:00	Identified hadron production in pp and pPb collisions with CMS	APPELT, Eric Andrew
12:30	<i>Lunch</i>	<i>Staff House</i>
	Parallel Session 3	
14:00	Hard Probes	Arts Building (R16) Room 120
14:00	Heavy Flavour 2	Arts Building (R16) Room 125
14:00	Beam Energy Scan	Arts Building (R16) Room 127
16:00	<i>Coffee Break</i>	
	Parallel Session 4	
16:20	Strangeness 2	Arts Building (R16) Room 120
16:20	Resonances	Arts Building (R16) Room 125
16:20	Future	Arts Building (R16) Room 127
17:50	<i>End</i>	
19:30 – 23:00	Conference Dinner	Birmingham Botanical Gardens

Thursday 25th July – Parallel Sessions

	Arts Building (R16) Room 120		Arts Building (R16) Room 125		Arts Building (R16) Room 127	
	Hard Probes		Heavy Flavour 2		Beam Energy Scan	
14:00	Electroweak boson production in heavy-ion collisions with CMS		Towards the dynamical study of heavy-flavour quarks in the quark gluon plasma (QGP)		Signals for the QCD critical point and first-order phase transition in a fully dynamical model of heavy-ion collisions	
	GARDNER, Michael		Dr. BERREHRAH, Hamza		HEROLD, Christoph	
14:20	Jet production and structure in pp, p-Pb and Pb-Pb collisions measured by ALICE		Heavy vs. light flavor energy loss within a transport model		Study of freeze-out dynamics in STAR at RHIC beam energy scan program	
	ALICE, Collaboration		UPHOFF, Jan		Ms. DAS, Sabita	
14:40	Investigation of Mach cones and the corresponding two-particle correlations in a microscopic transport model		Open charm measurements in p+p collisions at STAR		Beam energy scan using a hydro+cascade model	
	BOURAS, Ioannis		TLUSTY, David		Dr. KARPENKO, Iurii	
15:00	ATLAS High-pT measurements in lead-lead collisions at the LHC		Measurement of electrons from heavy-flavour decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE		The elliptic flow and the shear viscosity of the QGP from a Beam Energy Scan	
	CITRON, Zvi		THOMAS, Deepa		Dr. PLUMARI, SALVATORE	
15:20	Tomography of high energy heavy-ion collisions with asymmetries of photon-jet and di-jet		D meson nuclear modification factor and v_2 in Pb-Pb collisions		Higher moments of net kaon multiplicity distributions at RHIC energies for the search of QCD Critical Point	
	MA, Guo-Liang		BRUNA, Elena		Mr. SARKAR, Amal	
15:40	Appearance of a quark matter phase in hybrid stars		Open-charm production as a function of charged-particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV with ALICE		Probing the QCD phase diagram with the measurements of phi-meson production and elliptic flow in the heavy-ion collision at STAR	
	Prof. ENDO, Tomoki		Dr. BALA, Renu		Mr. MD, Nasim	

Coffee Break

Coffee Break

Coffee Break

	Arts Building (R16) Room 120		Arts Building (R16) Room 125		Arts Building (R16) Room 127	
	Strangeness 2		Resonances		Future	
16:30	The QGP viscosity and the flow of multi-strange hadrons		Beam Energy Dependence of Strange Hadron Production from STAR at RHIC		Prospects for heavy flavour measurements with the ALICE inner tracker upgrade	
	SONG, Huichao		ZHANG, Feng		TERREVOLI, Cristina	
16:50	Multi-strange baryon production in Pb-Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE		Resonance Production in $\sqrt{s} = 7$ TeV pp collisions with ALICE		Future Vertex detector for the detection of D0 mesons in the NA61/SHINE experiment	
	COLELLA, Domenico		Mr. LEE, Graham Richard		Mr. ALI, Yasir	
17:10	K0s and Lambda Production in ALICE		Hadronic resonances in heavy-ion collisions at ALICE		The NICA project at JINR Dubna	
	HANRATTY, Luke		KNOSPE, Anders Garritt		Prof. SORIN, Alexander Prof. KEKELIDZE, Vladimir	
17:30	Strangeness baryon to meson ratio		Low mass vector meson production in pp, p-Pb and Pb-Pb collisions measured with ALICE at the LHC		Status and Challenges of the Compressed Baryonic Matter (CBM) Experiment at FAIR	
	CUAUTLE FLORES, Eleazar		DE FALCO, Alessandro		Prof. SCHMIDT, Hans Rudolf	

Programme

Friday 26th July

Start	Plenary 10	Arts Building (R16) Room 120
09:00	Jet Quenching and Heavy Quarks	RENK, Thorsten
09:30	Jet measurements in PbPb and pPb collisions with CMS	STEPHANS, George
10:00	Results on angular correlations with ALICE	Dr. CHRISTAKOGLU, Panos
10:30	<i>Coffee Break</i>	
	Plenary 11	Arts Building (R16) Room 120
11:00	Measurement of azimuthal anisotropy of hadrons in Au+Au collisions from a beam energy scan by the PHENIX experiment at RHIC.	IKEDA, Yoshimasa
11:30	Status and Physics Opportunities of STAR Heavy Flavor Tracker and Muon Telescope Detector Upgrade	Dr. QIU, Hao
12:00	Strangeness balance in HIC	KOLOMEITSEV, Evgeni
12:30	<i>Lunch</i>	<i>Staff House</i>
	Parallel Session 5	
14:00	Quarkonia / Heavy Flavour	Arts Building (R16) Room 120
14:00	Thermal Models / Hydro	Arts Building (R16) Room 125
14:00	p-A Collisions	Arts Building (R16) Room 127
16:00	<i>Coffee Break</i>	
	Parallel Session 6	
16:20	Quarkonia / Heavy Flavour	Arts Building (R16) Room 120
16:20	Thermal Models	Arts Building (R16) Room 125
16:20	Hypernuclei	Arts Building (R16) Room 127
17:50	<i>End</i>	

Friday 26th July – Parallel Sessions

	Quarkonia / Heavy Flavour	Arts Building (R16) Room 120	Thermal Models / Hydro	Arts Building (R16) Room 125	p-A Collisions	Arts Building (R16) Room 127
14:00	Quarkonia Production and Suppression in Heavy Ion Collisions at STAR	KIKOLA, Daniel	Production of Strange, Non-Strange Particles and Hypernuclei in an Excluded-Volume Model	TIWARI, Swatantra Kumar	Measurement of D meson production in p-Pb collisions with the ALICE detector	LUPARELLO, Grazia
14:20	Free energy versus internal energy potential for heavy quark systems at finite temperature	LEE, Su Hyoung	Effect of Quark Gluon Plasma on Charm Quark Produced in Relativistic Heavy Ion Collision	YOUNUS, Mohammed	Measurement of electrons from heavy-flavour hadron decays in pp and p-Pb collisions with ALICE at the LHC	HEIDE, Markus Ansgar
14:40	Heavy quark quenching from RHIC to LHC: MC@HQ generator compared to experiments	GOSSIAUX, Pol	Event-by-event correlation between medium flow and jet flow	MOLNAR, Denes	Analysis of D meson-hadron angular correlations in pp and p-Pb collisions at central rapidity with ALICE at the LHC	COLAMARIA, Fabio Filippo
15:00	LHC heavy flavor suppression: finite magnetic mass in a dynamical QCD medium	Dr. DJORDJEVIC, Magdalena	Elliptic Flow from Nonequilibrium Color Glass Condensate Initial Conditions	Dr. SCARDINA, francesco	J/psi production in p-Pb collisions with ALICE at the LHC	LAKOMOV, Igor
15:20	Quantum and semi-classical approaches to quarkonia suppression in a cooling quark-gluon plasma	Mr. KATZ, Roland	Strangeness at high temperatures: from hadrons to quarks	SCHMIDT, Christian	Two-particle correlations in p-Pb collisions at the LHC with ALICE	MILANO, Leonardo
15:40	Studies of strangeness and onia production in pp collisions at 2.76, 7 & 8 TeV	BROOK, Nicholas	Systematic Properties of the Tsallis Distribution: Energy Dependence of Parameters in High-Energy p-p Collisions	Prof. CLEYMANS, Jean	Transverse momentum distributions of identified hadrons in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured with ALICE at the LHC	ANIELSKI, Jonas

Coffee Break

Coffee Break

Coffee Break

	Quarkonia / Heavy Flavour	Arts Building (R16) Room 120	Thermal Models	Arts Building (R16) Room 125	Hypernuclei	Arts Building (R16) Room 127
16:30	Measurements of J/psi- ψ' with ALICE at the LHC	FIONDA, Fiorella	Thermalization through Hagedorn-States	Mr. BEITEL, Maxim	ALICE results on ultra-peripheral collisions	TAPIA TAKAKI, Daniel
16:50	Charmonium production measurements in Pb-Pb collisions with ALICE at the LHC	VALENCIA PALOMO, Lizardo	Hadronic effects on the hadron abundances in heavy ion collisions	CHO, Sungtae	Production of antinuclei and hypernuclei in a relativistic heavy-ion collisions	Prof. PAL, Subrata
17:10	Upsilon Production in Pb-Pb Collisions at Forward Rapidity with ALICE at the LHC	KHAN, Palash	Chemical freezeout via a hadron resonance gas	CHATTERJEE, Sandeep	Production of hypernuclei in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE at the LHC	LEA, Ramona
17:30	Open Heavy Flavor Production in Heavy-ion Collisions from STAR	Prof. ZHANG, Yifei	Dynamical freeze-out in event-by-event hydrodynamics	Dr. HUOVINEN, Pasi	Search for exotic hyper-matter and measurement of (anti-)nuclei yields with ALICE at the LHC	DOENIGUS, Benjamin

Programme

Saturday 27th July

Start	Closing 1	Arts Building (R16) Room 120
09:00	eA	LOPEZ ALBACETE, Javier
09:30	Theory summary	BIRO, Tamas
10:00	Coffee Break	
	Closing 2	Arts Building (R16) Room 120
10:40	Experiment summary	DAINESE, Andrea
11:20	Next SQM	
11:40	Conference Close	

Appendix 1 – Campus Map



Edgbaston Campus Map

Index to buildings by zone

Red Zone

- R1 Law Building
- R2 Frankland Building
- R3 Hills Building
- R4 Aston Webb – A Block, Earth Sciences
- R5 Aston Webb – B Block
- R6 Aston Webb – Great Hall
- R7 Aston Webb – C Block
- R8 Physics West
- R9 Nuffield
- R10 Physics East
- R11 Medical Physics
- R12 Bramall Music Building
- R13 Poynting Building
- R14 Barber Institute of Fine Arts
- R15 Watson Building
- R16 Arts Building
- R17 Ashley Building
- R18 Strathcona Building
- R19 Education Building
- R20 J G Smith Building
- R21 Muirhead Tower
- R22 Main Library
- R23 University Centre
- R24 Staff House
- R25 Munrow Sports Centre
- R26 Geography
- R27 Biosciences Building
- R28 Learning Centre and Primary Care

X
University
Station

Programme

Appendix 2 – Local Train Timetables

Birmingham International (Airport) to Birmingham New Street (Sun)

Sunday

Outward

Train Company		LM	VT	XC	LM	AW	VT	LM	VT	XC	LM	VT	XC	AW	VT
Birmingham International	depart	12:19	12:34	12:40	12:49	13:07	13:10	13:22	13:33	13:38	13:48	13:53	14:03	14:07	14:13
Birmingham New Street	arrive	12:39	12:46	12:50	13:00	13:17	13:24	13:40	13:44	13:48	13:59	14:05	14:14	14:17	14:25
Duration		00:20	00:12	00:10	00:11	00:10	00:14	00:18	00:11	00:10	00:11	00:12	00:11	00:10	00:12

Sunday

Outward continued

Train Company		LM	VT	XC	LM	VT	XC	AW	VT	LM	VT	XC	LM	VT	XC
Birmingham International	depart	14:22	14:33	14:38	14:48	14:53	15:01	15:07	15:13	15:22	15:33	15:38	15:48	15:53	16:02
Birmingham New Street	arrive	14:40	14:44	14:48	14:59	15:05	15:11	15:18	15:25	15:40	15:44	15:48	15:59	16:05	16:12
Duration		00:18	00:11	00:10	00:11	00:12	00:10	00:11	00:12	00:18	00:11	00:10	00:11	00:12	00:10

Birmingham New Street to University (Mon-Fri)

Monday to Friday

Outward

Train Company		XC	LM	LM	LM	LM	LM	LM	LM	XC	LM	LM	LM	LM	LM	LM	LM	XC
Birmingham New Street	depart	07:30	07:33	07:43	07:53	07:59	08:03	08:13	08:23	08:30	08:33	08:43	08:49	08:53	09:03	09:13	09:23	09:30
University (Birmingham)	arrive	07:36	07:40	07:50	08:00	08:05	08:11	08:20	08:30	08:36	08:40	08:50	08:55	09:00	09:10	09:20	09:30	09:36
Duration		00:06	00:07	00:07	00:07	00:06	00:08	00:07	00:07	00:06	00:07	00:07	00:06	00:07	00:07	00:07	00:07	00:06

Monday to Friday

Return

Train Company		LM	XC	LM	LM	LM	LM	LM	LM	LM	XC	LM	LM	LM	LM	LM	LM	LM
University (Birmingham)	depart	17:35	17:39	17:45	17:55	17:59	18:05	18:15	18:25	18:35	18:39	18:45	18:55	18:59	19:05	19:15	19:25	19:35
Birmingham New Street	arrive	17:42	17:45	17:54	18:03	18:11	18:12	18:24	18:32	18:42	18:45	18:54	19:02	19:12	19:12	19:23	19:33	19:43
Duration		00:07	00:06	00:09	00:08	00:12	00:07	00:09	00:07	00:07	00:06	00:09	00:07	00:13	00:07	00:08	00:08	00:08

LM = London Midland

VT = Virgin Trains

XC = Cross Country

AW = Arriva Trains Wales

See: <http://www.nationalrail.co.uk> for further train times