

# Eleventh International Conference on Hyperons, Charm and Beauty Hadrons (BEACH 2014)

21st - 26th July 2014

University of Birmingham, United Kingdom

<http://www.ep.ph.bham.ac.uk/BEACH2014>

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## GENERAL INFORMATION

The XI International Conference on Hyperons, Charm and Beauty Hadrons will be hosted by the University of Birmingham, UK, from 21st to 26th July 2014. This conference continues the BEACH series, which began with a meeting in Strasbourg in 1995. The series now offers a biennial opportunity for theorists and experimentalists from the high-energy physics community to discuss all aspects of flavour physics. Past editions each attracted more than 100 participants.

Registration will take place 17:00-19:00 on Sunday 20th July and 08:00-09:00 on Monday 21st July. The conference will begin with the morning session of 21st July and end with a summary talk, at the conclusion of the morning session of 26th July. Social activities are scheduled for the afternoon of Wednesday 23rd July.

## SCIENTIFIC PROGRAM

The following topics exemplify the broad scope of the conference:

- Production and decays of strange, charm and beauty hadrons
- Symmetry violations
- Physics beyond the Standard Model
- Quarkonium spectroscopy, production and decay
- Heavy quark effective theory, lattice QCD and non-relativistic QCD
- Hyperon physics
- Top quark physics
- Precision electroweak measurements
- Neutrino flavour physics
- Lepton flavour violation
- New experimental facilities and projects

The organisers are aiming at a stimulating mix of presentations on experimental and theoretical particle physics. Presentations on preparation for upcoming experiments will accompany talks on recent results. The contributions will include reports from the various experimental projects that relate to the theme of the conference. Continuing the tradition of the BEACH

series, all of the sessions will be plenary sessions. The program will accommodate review talks of twenty-five to thirty minutes and short contributions requiring fifteen to twenty minutes. A special overview talk will also be scheduled. Presentations will generally fit into one of the following categories: Recent experimental results, recent theoretical work, comparison of theoretical expectations with experimental results, or progress reports on new experiments. To complement the diversity of topics, the organisers encourage diversity among the participants in regard both to geography and to professional status. The conference is intended to be a fruitful experience for graduate students and senior researchers alike.

## CONFERENCE WEBSITE

The conference web site is <http://www.hep.ph.bham.ac.uk/BEACH2014>. This provides information relating to the venue, the program, deadlines, submission of abstracts, registration, payment of fees, travel and visas, accommodation, and tourism. More details will also be distributed with the next bulletin.

## VISAS

Please note that the requirements to enter the United Kingdom on academic business are becoming more stringent. Please consult the website for further details. If you require a visa, you should register now and apply by 15th May 2014 at latest, to ensure the visa application is processed before the conference starts.

## PROCEEDINGS

Contributions to this conference will be peer-reviewed and published in a timely fashion. Each participant will receive a copy of the proceedings, the cost of which is included in the registration fee.

## ACCOMMODATION

On-campus accommodation will be available for a limited number of participants on a first-come-first-served basis. The deadline for booking on-campus accommodation is 9th June 2014. Alternative accommodation will be available both near the campus and in the city centre.

## BANQUET

Participants and accompanying persons (at additional cost) are invited to the conference banquet on the evening of Thursday 24th July. The banquet will be held at the historical Council House, in Birmingham city centre.

## EXCURSION

The excursion will take place on the afternoon of Wednesday 23rd July, and will consist of a tour of the historical town of Stratford-Upon-Avon, birthplace of William Shakespeare. The town of Stratford-Upon-Avon is a short train journey from Birmingham. Guided tours will be arranged for the first part of the afternoon, after which delegates will have free time to enjoy the town and return by train at their leisure.

## COMPUTER FACILITIES

Wireless internet access will be available at on-site accommodation and the conference location.

## PARTICIPANTS FROM DEVELOPING NATIONS

Following the tradition of the BEACH conferences, the organising committee is offering up to four fellowships to help with the participation costs of early-career researchers from developing nations (PhD awarded not more than five years prior to conference start date). Priority will be given to applicants who have not been funded in the previous BEACH conferences and who do not come from North America, western Europe and Japan. Each fellowship will include a waiver of the registration fee and a subsidy for accommodation. Applications should be sent to the Chair of the organising committee, and should include a cover letter, an abstract, and a letter from the director of the applicant's institution. The letter must stipulate that the home institution will fully underwrite the cost of round-trip travel to Birmingham, and any other necessary expenses not covered by the fellowship. The conference website will provide a link for the submission of these materials.

## TRAVEL

Birmingham is served by Birmingham International Airport (<http://www.birminghamairport.co.uk>) about half an hour from the city centre. It is also at the hub of the United Kingdom rail network, with regular connections from all parts of the United Kingdom, including train services to London, Liverpool and Manchester, amongst many other destinations. The University of Birmingham has its own railway station, including services every ten minutes to the city centre. Details are available at <http://www.nationalrail.co.uk>.

## ABOUT BIRMINGHAM

Birmingham is the second largest city in the United Kingdom, and is a major centre for commerce and tourism, attracting over 33 million visitors in 2011. Surrounded by the historic towns of Coventry, Lichfield, Shrewsbury and Worcester, and with Stratford-upon-Avon some 20 miles away, the city is at the heart of a region with a distinctive part in the history of England. Birmingham was at the centre of the Industrial Revolution, and retains many links to this period, with an eighteenth century canal system threading through the city and a number of industrial heritage museums in and around it. The Birmingham Lunar Society, an eighteenth century scientific society, was formed here, with regular participation from the founders of the Industrial Revolution, and included Joseph Priestley, Erasmus Darwin and James Watt among its members. Its importance was such that Benjamin Franklin and Thomas Jefferson were both corresponding members, and both made the journey to Birmingham to attend meetings here. The city also has many connections in English literature; for example, the writer and English scholar J.R.R. Tolkien was brought up in Birmingham, and it is well established that his experiences here were instrumental in the writing of his most popular works. Today Birmingham is a vibrant and multi-cultural city, offering a wide range of different cultural spectacles, dining and nightlife. Together with its surrounding area, it offers a unique opportunity to visit a region at the very heart of England.