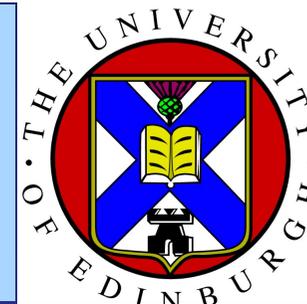




# Proposal for hosting ICHEP 2020 at Edinburgh



Edinburgh University



Edinburgh International Conference Centre (EICC)



Edinburgh Castle



Franz Muheim

On behalf of Edinburgh University



**SCOTLAND'S  
INSPIRING  
CAPITAL**  
AN INVITATION  
FROM THE HEART  
OF THE CITY OF  
EDINBURGH

International Conference on High  
Energy Physics

Edinburgh 2020



[conventionedinburgh.com](http://conventionedinburgh.com)



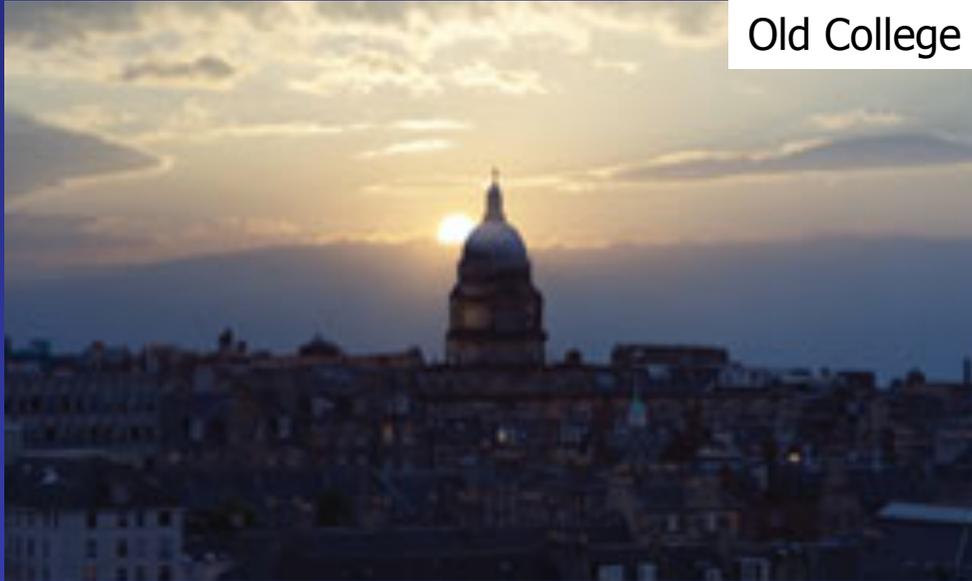
Full bid document, 64 pages,  
from EICC is attached

## EVENT PROPOSAL

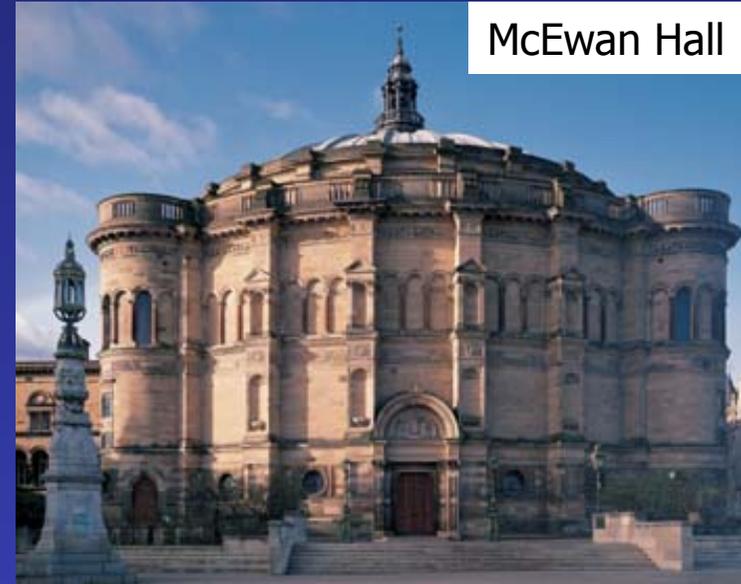
FOR

**40<sup>TH</sup> INTERNATIONAL  
CONFERENCE ON HIGH  
ENERGY PHYSICS**





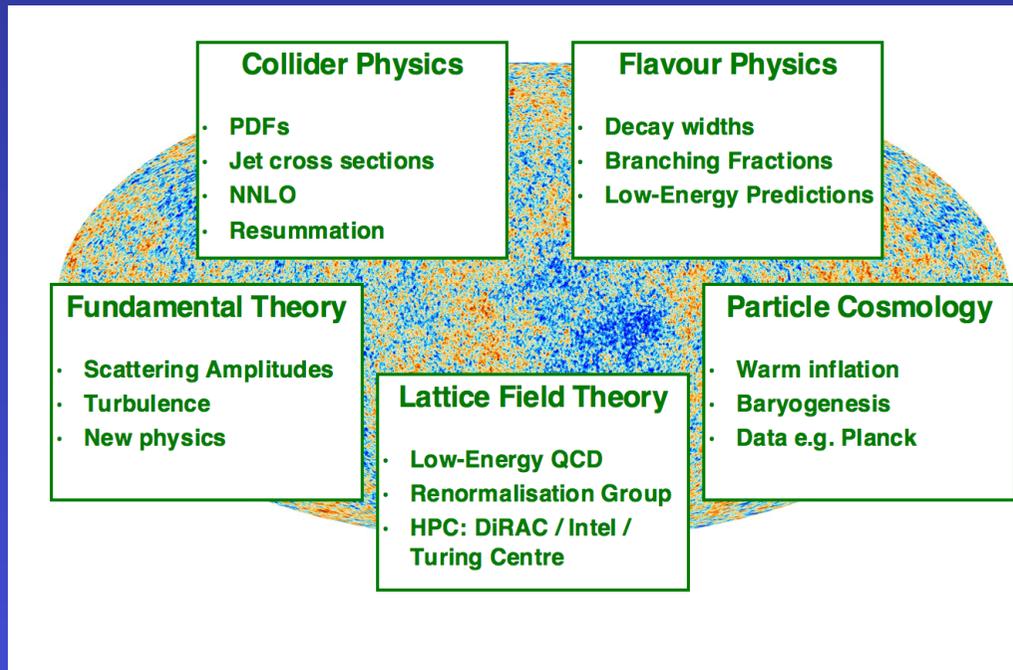
Old College



McEwan Hall

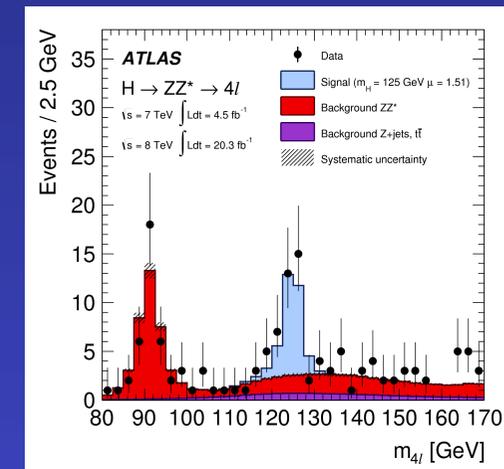
- **Sixth-oldest university in the English-speaking world**
  - Long tradition in Arts, Medicine and Sciences
  - Consistently ranked in the top tier of universities in the world
- **School of Physics and Astronomy**
  - About 70 academic staff
  - **Juno champion** - award by IOP to address the under-representation of women in university physics

- **School of Physics and Astronomy**
  - Vibrant groups in **Experimental** and **Theoretical Particle Physics** joined in **Institute for Particle and Nuclear Physics**
  - Peter Higgs - Nobelprize 2013
- **Theoretical Particle Physics at Edinburgh**

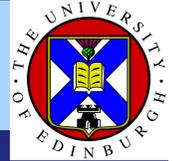


- **Experimental Particle Physics at Edinburgh**

- Long tradition in CP Violation and Flavour Physics  
NA31, NA48, Babar, LHCb
- Strong effort in *Large Hadron Collider* experiments
- **ATLAS** group
  - Simulation, Inner Tracker ITK upgrade
  - Physics - Higgs and searches
- **LHCb** group
  - RICH photon detectors current and upgrade
  - Distributed Grid Computing
  - CP Violation in Bs decays, tetra quarks
- **Dark matter** group
  - LUX/LZ,
- Building up **Neutrino** activity
  - Hyper-K, Dune?



# Scientific Support



- **Proposal for ICHEP 2020**
  - Supported by **UK particle physics** community
  - letter from CEO of **STFC** **John Womersley**
  - **Scottish Universities Physics Alliance**, **Jim Hough**



- **Higgs Centre for Theoretical Physics**  
Director  
**Einan Gardi**



- **IOP** Institute of Physics  
**Conference organisation support**

Science and Technology Facilities Council  
Polaris House  
North Star Avenue, Swindon,  
Wiltshire, SN2 1SZ  
United Kingdom  
Tel +44 (0)1793 442000 Fax +44 (0)1793 442002  
www.stfc.ac.uk

Committee on Particles and Beams  
International Union of Pure and Applied Physics  
Date: 6 August 2016

Direct line +44 (0)17932199  
E-mail : Chiefexecutive-STFC@stfc.ac.uk

**Edinburgh bid to host ICHEP 2020**

The Science and Technology Facilities Council is delighted to support the University of Edinburgh's bid to host the International Conference on High Energy Physics in 2020. STFC is one of Europe's largest

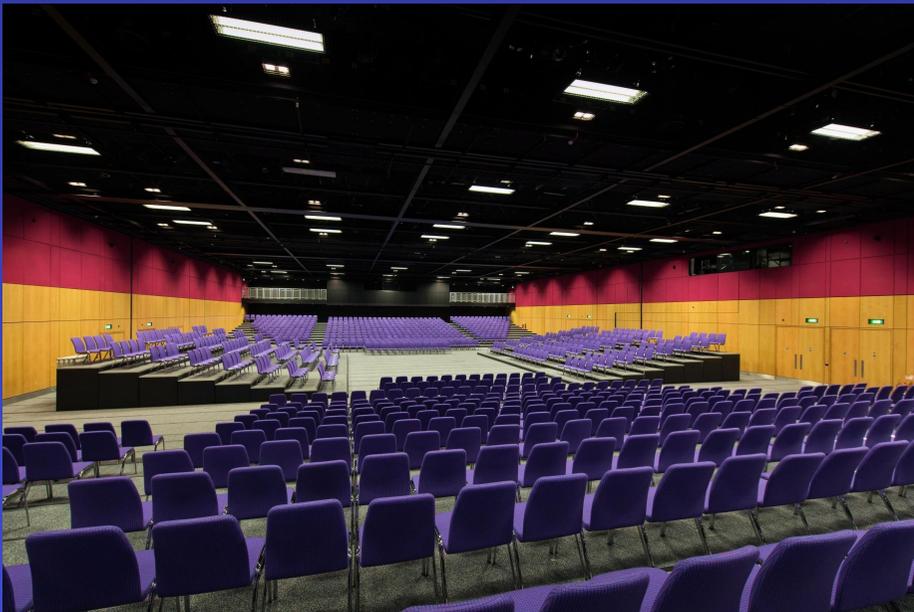
The United Kingdom is currently ranked number one globally in citation impact in particle and nuclear physics and astronomy, and is in addition are recognised globally for the excellence of our societal and industrial engagement, and in public support for frontier science. We believe that hosting ICHEP 2020 in the UK would contribute significantly to supporting and strengthening the reputation of our fields, by providing the best possible platform for sharing of knowledge and best practice, and engagement with the public. The UK has a strong science media presence with a global reach, including the BBC and high circulation outlets such as The Times, and an extremely engaged science public.

To demonstrate our support, we are prepared to commit to sponsoring the conference if it is held in Edinburgh with a £10,000 grant, and would expect to also be heavily involved in the conference programme including its outreach components.

Yours faithfully,  
*W. John Womersley*  
Professor John Womersley,  
Chief Executive Officer, Science & Technology Facilities Council

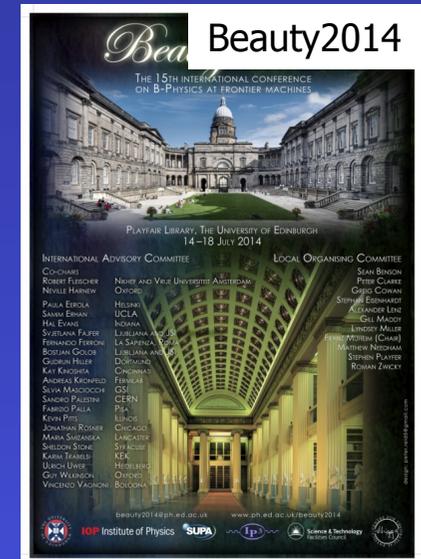
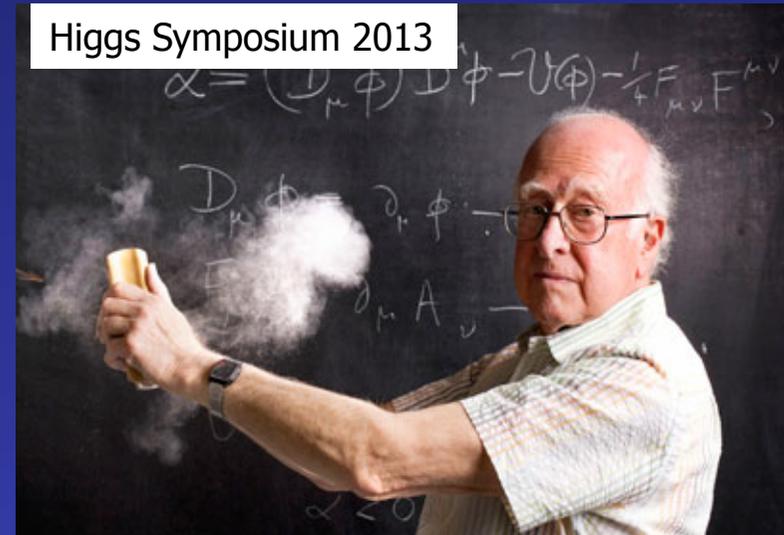
# Venue for ICHEP 2020

- **Edinburgh International Conference Centre (EICC)**
  - is a world class award winning venue ideal for ICHEP 2020
  - has world's first and only wall-to-wall fully moving floor system
  - an auditorium for 2000 can transform into tiered banqueting for 750, arena style for 1400, flat floor banqueting for 1400 or up to 2,165 m<sup>2</sup> of exhibition space



# Recent Conferences

- SPIE Astronomical Telescopes and Instrumentation 2016 at EICC
- ATLAS TDAQ week 2015
- Beauty 2014
- LZ collaboration meeting
- Higgs Symposium 2013
- ATLAS UK meeting 2013
- SUSP summer schools (2012, 2009, 2006, ...)
- LHCb collaboration week 2011
- EPAC 2006 at EICC



# Local Organising Committee



- **Franz Muheim**, Edinburgh (chair)  
Head of the Particle Physics Experiment
- **Peter Clarke**, Edinburgh
- **Philip Clark**, Edinburgh
- **Luigi Del Debbio**, Edinburgh,  
Head of the Institute for  
Institute for Particle and  
Nuclear Physics
- **Tony Doyle**, University of  
Glasgow, Head of the Particle  
Physics Experiment
- **Stephan Eisenhardt**, Edinburgh
- **Einan Gardi**, Edinburgh, Director  
of the **Higgs Centre** for  
Theoretical Physics
- **Richard Kenway**, Head of the  
Particle Physics Theory Group
- **Christos Leonidopoulos**, Edinburgh
- **Victoria Martin**, Edinburgh, **SUPA**  
particle physics theme leader
- **Alex Murphy**, Edinburgh,
- **Matthew Needham**, Edinburgh
- **Ken Peach**, Edinburgh, Honorary  
Professor
- **Steve Playfer**, Edinburgh

See p37 to p41  
of bid document  
for details

## Event Overview

Event Name:	ICHEP 2020
Proposed Dates:	Wednesday <b>22 July</b> until Wednesday <b>29 July</b> 2020
Status:	<b>1st</b> option
Preliminary Event Format:	<i>Plenary room</i> for 1,000 dels – Auditorium setting <i>9 Meeting rooms</i> – various sizes, between 100 & 500 each <i>Exhibition &amp; Catering space</i> – to accommodate approx. 27 – 30 stands, average size 3m x 2m <i>Posters area</i> – total of 450 on selected dates <i>Registration</i> area
Preliminary Event Timings:	<b>Total of 8 Event Days</b> - 24 hour hold on all the rooms as per schedule  <b>Wednesday</b> – Set up / Evening Registration <b>Thursday</b> – Parallel Sessions x 9 <b>Friday</b> – Parallel Sessions x 9 <b>Saturday</b> – Parallel Sessions x 9 & Evening Poster Session with Reception <b>Sunday</b> – Poster & Exhibition Set up / Smaller Meetings <b>Monday</b> – Formal Opening / Plenaries / Evening Poster Session with a Reception / Exhibition during the day <b>Tuesday</b> – Plenaries / Public Lecture / Exhibition <b>Wednesday</b> – Plenaries / Exhibition / Farewell

# Conference Venue



- **Beautiful venue**
  - Historic City and Capital of Scotland
  - "Edinburgh Old and New Towns" are a World Heritage Site
  - Old Town - medieval Royal Mile which runs from **Edinburgh Castle** to the Palace of Holyrood Palace
- **Edinburgh festival season**
  - starts at end of July
  - Edinburgh Tattoo with performers from all over the world
  - Motivates ICHEP 2020 dates **22 -29 July 2020**
  - Opportunity to combine ICHEP 2020 with holiday



# Map



- **Air travel**
  - **Edinburgh airport** is connected to 130 destinations, world wide  
[edinburghairport.com](http://edinburghairport.com)
  - Easily accessible, directly or via European hubs with ~50 daily flights from London
  - Only 12 km from city centre with direct bus, tram and taxi services
- **Rail travel**
  - Rail links to all over the UK, see [nationalrailenquiries.co.uk](http://nationalrailenquiries.co.uk)
  - **trains to and from London** at 30 minutes intervals
- **Local transport**
  - EICC is within **walking distance of city centre** with all its attractions
  - Excellent buses and taxi services



## Accommodation

There are more than 20,000 beds in and around the city, from five-star hotels to boutique B&Bs.

- More than half of them are within **walking distance** of the city centre and the conference venue
- Many 4 and 3 star **hotels**, including stylish boutique hotels at rates starting below £100
- Large range of **B&Bs** at rates starting around £50
- For delegates on a restricted budget - **university campus accommodation** and new budget hotels and hostels available



# Letters of Support



- Marketing Edinburgh

- City of Edinburgh Council



Dear Prof Muheim

I'm pleased to hear you're considering Edinburgh as the location for your Annual Conference in 2020.

You'll have their full support throughout the process, from the first planning meeting to the last delegate checking out. And you can be assured that no-one has more or better experience. In the last financial year alone, they helped bring 206 successful conferences to the city.

Yours sincerely



John Donnelly  
Chief Executive  
Marketing Edinburgh Ltd

**EDINBURGH**  
THE CITY OF EDINBURGH COUNCIL

*The Right Honourable Donald Wilson  
Lord Provost of the City of Edinburgh*

Dear Prof Muheim

I'm delighted to hear you're considering Edinburgh as the location for your next event. I'm confident you'll find we're a city with a great deal to offer.

Edinburgh is Scotland's great capital city attracting the attention of the world and is the preferred showcase for any major event or gathering. The city is compact and easy to get around and yet large enough to encompass all your needs and interests. The atmosphere in and around the city is a unique blend of excitement and enjoyment which has to be experienced to be appreciated.

With more than 12,000 bedrooms in the city centre, and thousands more within the city boundaries, Edinburgh is ready to offer you its famous hospitality. I very much look forward to welcoming you, and helping to make your event a resounding success.

Yours sincerely,



**Donald Wilson**  
Lord Provost of the City of Edinburgh

# Social Programme

- Receptions, Conference Dinner

- EICC
- Edinburgh Castle
- Museum
- Dynamic Earth



EICC

- Edinburgh has much more to offer



Roslyn Chapel



Bag pipes



Whisky

- **Scottish Highlands**
  - Lots of beautiful nature
  - Loch Lomond is gateway to the Highlands
  - Mountains and lochs provide excellent hiking opportunities



- **EICC have costed conference**
  - Based on space requirements from current ICHEPs, page 37 of bid
  - 1000 delegates, 9 parallel sessions, 30 exhibition stands, ...
- **Costs**
  - Venue, including rooms, AV, ... £234 per person
  - Coffees, Teas, Bisquets £75 per person
  - Receptions, Conference dinner £96 per person
  - Proceedings - £20k
- **Sponsorship**
  - estimate £50k
- **Estimated conference fee**
  - £380 per person
  - \$490 or €450 at today's exchange rates
  - Option for lunches at EICC, from £15

- **UK is very active in outreach**
  - Amplified by discovery of **Higgs boson**
  - **LHC on tour** (the cardboard tunnel)  
250,000 visitors
- **Royal society Exhibitions**
  - **Antimatter matters**, July 2016
  - **The Higgs boson and beyond**  
**Understanding the Higgs boson**,  
July 2013/14 - ~8000 visitors each
- **Particle Physics for Scottish Schools**
  - visiting schools, teacher's weekends
  - Annually at **Edinburgh Science Festival**  
with ~4000 visitors
- **ICHEP 2020**
  - Will set up large outreach programme





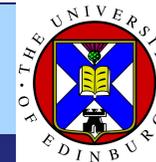
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**Thank you for your time**

We'll look forward to welcoming you

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# Backup Slides



Committee on Particles and Beams  
International Union of Pure and Applied Physics

Direct line +44 (0)17932199  
E-mail : Chiefexecutive-STFC@stfc.ac.uk

Date: 6 August 2016

#### Edinburgh bid to host ICHEP 2020

The Science and Technology Facilities Council is delighted to support the University of Edinburgh's bid to host the International Conference on High Energy Physics in 2020. STFC is one of Europe's largest multidisciplinary research organisations, covering a wide range of the physical, life and computational sciences. We are the primary funder of research in the UK in particle and nuclear physics and astronomy, and manage the UK membership of CERN, the European Southern Observatory organisation, FAIR, and other bodies including ESS, ILL and ESRF. We operate large laboratories and facilities in the UK, such as the Daresbury and Rutherford Appleton Laboratories, Hartree high performance computing centre and the UK Tier 1 centre. We are therefore engaged with all relevant fields of physics.

The United Kingdom is currently ranked number one globally in citation impact in particle and nuclear physics and astronomy, and is in addition are recognised globally for the excellence of our societal and industrial engagement, and in public support for frontier science. We believe that hosting ICHEP 2020 in the UK would contribute significantly to supporting and strengthening the reputation of our fields, by providing the best possible platform for sharing of knowledge and best practice, and engagement with the public. The UK has a strong science media presence with a global reach, including the BBC and high circulation outlets such as The Times, and an extremely engaged science public.

Edinburgh is a fantastic city for the conference – with world class facilities including direct international air connections, a welcoming and open atmosphere and a strong track record of delivering high profile scientific events to very high standard. STFC was proud to have supported recent events at the Edinburgh International Conference Centre, the proposed ICHEP venue, including the SPIE astronomical telescopes and instrumentation conference in June 2016 which attracted more than double expected ICHEP registration numbers, and the International Conference on Neutron Scattering in 2014.

To demonstrate our support, we are prepared to commit to sponsoring the conference if it is held in Edinburgh with a £10,000 grant, and would expect to also be heavily involved in the conference programme including its outreach components.

Yours faithfully,



Professor John Womersley,  
Chief Executive Officer, Science & Technology Facilities Council

# The End

