



# Towards the Ultimate Precision in Flavour Physics

16-18.4.2018 @ University of Warwick

## Topics

- Precision measurements of tree-level observables
- B decays to rare leptonic and semileptonic final states
- CP violation in the charm sector

## Organising committee

- Tim Gershon (Warwick)
- Sneha Malde (Oxford)
- Simone Bifani (Birmingham)
- Mark Williams (Manchester)
- Alexander Lenz (IPPP)

# Welcome



Accommodation,  
breakfasts & dinner  
in Arden House

Meetings, lunches and  
coffee breaks in P5.21  
Physics Department

Plenty to do on campus:  
Arts Centre  
Sports facilities  
Walks (incl. sculpture trail)  
Restaurants  
Pubs

On/near campus  
shopping

# Purpose of the meeting

- Supported by an IPPP Senior Experimental Fellowship
  - Additional funding through the “Physics Days @ Warwick” scheme

“plan a roadmap towards achieving the ultimate precision with which it will be possible to test the SM in the flavour sector”

## Focus on three key areas

- Precision measurements of tree-level observables
- B decays to rare leptonic and semileptonic final states
- CP violation in the charm sector

# Follow up

- Intended to hold a follow up workshop at the IPPP
  - when: 6 months or 1 year from now?
- Therefore, one goal of this meeting is **to identify open questions that we can follow up on** at the subsequent workshop
  - please give us your input
    - in talks, discussions, over coffee and meals
  - organisers will try to summarise at the end of the meeting
    - **we hope that you will be enthused to tackle some of these issues between now and the second workshop**

# Follow up

- Intended to hold a follow up workshop at the IPPP
  - when: 6 months or 1 year from now?
- Is there interest in preparing a short written summary of the workshops?
  - would this be useful input to the European Strategy for Particle Physics?
  - if so, deadline for input (18 Dec. 2018) will necessitate an accelerated schedule. also, submissions have a 10 page limit

Your input to these points very welcome

Concrete proposal will be presented at the end of the meeting

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#UltimateFlavour  
#TUPIFP

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