

## **Session Program**

**9-12 Jan 2018**

# **XXIV Cracow EIPHANY Conference on Advances in Heavy Flavour Physics**

## ***B, D decays***

Other Institutes

Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152  
Radzikowskiego Street, Cracow, Poland

# Tuesday 9 January

09:00

## B, D decays

Session |

**Location:** Other Institutes, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland |

**Convener:** Marcin Chrzaszcz

09:00–09:45

### Global fit of $b \rightarrow sll$ processes, an update: A further step towards New Physics Discovery

**Speaker**

Joaquim Matias

09:45–10:30

### Overview of Heavy Flavor results at LHCb

**Speaker**

Rafael Silva Coutinho

10:30

11:00

## B, D decays

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**Location:** Other Institutes, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland |

**Convener:** Tadeusz Lesiak

11:00–11:35

### Searching for NP with $b \rightarrow s \tau \tau$ processes

**Speaker**

Sebastien Descotes-Genon

11:35–12:20

### Recent results from Belle and Belle 2 experiments

**Speaker**

Florian Urs Bernlochner

12:20–12:55

### Mini review on $V_{ub}$ , $V_{cb}$ @ LHCb and B-factories

**Speaker**

Marcello Rotondo

12:55

13:55

## B, D decays

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**Convener:** Andrzej Bozek

13:55–14:25

### Recent Heavy Flavour results from CMS

**Speaker**

Stefano Lacaprara

14:25–14:55

### Long-distance effects in exclusive $b \rightarrow sll$ decays

**Speaker**

Danny van Dyk

14:55–15:25

### Overview of ATLAS Heavy Flavor Measurements

**Speakers**

Sally Seidel, Sally Seidel

15:25–15:55 **QED corrections to Bs- $\rightarrow$  mu mu****Speakers**

Robert Szafron, Dr Robert Szafron

15:55

16:25

**B, D decays****Session** |**Location:** Other Institutes, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland |**Convener:** Sebastian Piotr Sapeta

16:25–16:55

**Angular correlations between heavy and light jet-particles as a means to study in-medium heavy-quark energy loss****Speaker**

Martin Rohrmoser

16:55–17:25

**D Dbar asymmetry at low and high energies and possible consequence for prompt atmospheric neutrinos****Speaker**

Antoni Szczurek

17:25–17:55

**Simultaneous production of D and B mesons****Speaker**

Rafał Maciula

18:25

## Wednesday 10 January

09:00

### B, D decays

**Session** |

**Location:** Other Institutes, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland |

**Convener:** Maria Rozanska

09:00–09:45

#### The Dynamics of Beauty & Charm Hadrons (& top quarks) in the Era of LHCb & Belle II (& ATLAS/CMS). Motto: Non-perturbative QCD & Many-body Final States

**Speakers**

Ikaros Bigi, Ikaros Bigi

09:45–10:15

#### Observables, EFT and model-building aspects of B-decay anomalies

**Speaker**

Jorge Martin Camalich

10:15–10:40

#### Three-site Pati-Salam gauge model for flavour anomalies

**Speaker**

Marzia Bordone

10:40

11:10

### B, D decays

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**Convener:** Andrzej Buras

11:10–11:40

#### Radiative decays of the B meson: a progress report

**Speaker**

Mikołaj Krzysztof Misiak

11:40–12:10

#### Semileptonic penguin decays of the B meson

**Speaker**

Tobias Hurth

12:10–12:40

#### Searching New Physics with Beauty mesons

**Speaker**

Rahul Sinha

12:40

13:30

### B, D decays

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**Convener:** Jolanta Brodzicka

13:30–14:00

#### New Look at Hidden Charm Tetra and Pentaquark States

**Speaker**

Abdur Rehman

14:00–14:30

#### Charm Physics: another Route towards New Physics

	<p><b>Speaker</b> Alan Schwartz</p>
<p>15:00</p>	<p><b>14:30–15:00 Recent global fit results from the GAMBIT collaboration</b></p> <p><b>Speaker</b> Martin John White</p>
<p>15:30</p>	<p><b>B, D decays</b>  <b>Session</b>    <b>Location:</b> Other Institutes, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland    <b>Convener:</b> Mikołaj Krzysztof Misiak</p> <p><b>15:30–16:00 LFU and LFV results at LHCb</b></p> <p><b>Speaker</b> Luca Pescatore</p> <p><b>16:00–16:30 Reparametrization invariance in HQET</b></p> <p><b>Speaker</b> Dr Keri Vos</p> <p><b>16:30–17:00 Belle 2 prospects for CP-violation measurements</b></p> <p><b>Speakers</b> Chiara La Licata, TBA</p> <p><b>17:00–17:30 Impact of LHC heavy flavour data on nuclear gluon PDF</b></p> <p><b>Speaker</b> Aleksander Kusina</p>
<p>17:30</p>	

# Thursday 11 January

11:30

## B, D decays

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**Location:** Other Institutes, Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN), 152 Radzikowskiego Street, Cracow, Poland |

**Convener:** Antoni Szczurek

11:30–12:00

### Updated fits to $b \rightarrow s \ell \ell$ data".

**Speaker**

Nazila Mahmoudi

12:00–12:30

### Combined interpretation of B-physics anomalies and model building

**Speaker**

David Marzocca

12:30–13:00

### New physics in charged-current semileptonic decays

**Speaker**

Martin Jung

13:00