

## **Session Program**

**30 May 2022 to 3 June 2022**



## **Higgs Pairs Workshop 2022**

***Resonant  $HH/SH$***

# Wednesday 1 June

08:45

## Resonant HH/SH

**Session** | **Location:** Dubrovnik | **Conveners:**

Jason Robert Veatch, Jana Schaarschmidt, Sebastian Baum, Duarte Azevedo, Rainer Mankel

08:45–09:00

### Data driven QCD background estimates in HH/HS searches at CMS

**Speaker**

Matej Roguljic

**Location**

Dubrovnik

09:00–10:00

### Overview of resonant HH/HS/SS production

**Speakers**

Rui Santos, Rui Santos, Rui Santos, Rui Santos, Rui Santos

**Location**

Dubrovnik

10:00–10:40

### ATLAS and CMS resonant HH/SH- $\rightarrow$ bb $\tau\tau$

**Speakers**

Ralf Schmieder, Tatjana Lenz

**Location**

Dubrovnik

10:40–11:10

### Coffee break

11:10–11:50

### ATLAS and CMS resonant HH/SH- $\rightarrow$ 4b

**Speakers**

Marco Valente, Santeri Laurila

**Location**

Dubrovnik

11:50–12:10

### CMS resonant HH/SH- $\rightarrow$ multilepton and bb+leptons

**Speaker**

Torben Lange

**Location**

Dubrovnik

12:10–12:30

### ATLAS resonant HH- $\rightarrow$ bb $\gamma\gamma$

**Speaker**

Ivan Sayago Galvan

**Location**

Dubrovnik

12:30–12:45

### Group picture (in the IUC atrium)

**Location**

Dubrovnik

12:45–14:00 **Lunch**

14:00–14:45 **ATLAS and CMS jet and flavor tagging**

**Speaker**

Loukas Gouskos

**Location**

Dubrovnik

14:45–15:30 **Interference effects**

**Speaker**

Ian Lewis

**Location**

Dubrovnik

15:30–16:00 **Tea break**

16:00–16:30

**Reinterpretation (theory) "Report from the LHC re-interpretation group"**

**Speaker**

Nicholas Wardle

**Location**

Dubrovnik

16:30–17:00 **Reinterpretation (experiment)**

**Speaker**

Lukas Alexander Heinrich

**Location**

Dubrovnik

17:00