

# ECFA WHF WG1: 1st Workshop of the Higgs/Top/EW group



## Report of Contributions

Contribution ID: 1

Type: **Higgs**

# Strange Quark as a probe for new physics in the Higgs sector

*Wednesday, 20 April 2022 16:45 (13 minutes)*

## Your main area of your contribution

Future e+e- collider experiment

**Primary authors:** BASSO, Matthew (University of Toronto (CA)); CAIRO, Valentina (CERN)

**Presenters:** BASSO, Matthew (University of Toronto (CA)); CAIRO, Valentina (CERN)

**Session Classification:** Wednesday sessions

**Track Classification:** Higgs track

Contribution ID: 2

Type: **Higgs**

## **Imprint of quark flavor violating SUSY in $h(125)$ decays at future lepton colliders**

*Wednesday, 20 April 2022 17:05 (13 minutes)*

### **Your main area of your contribution**

Theory

**Primary authors:** Dr EBERL, Helmut (HEPHY Vienna); Prof. HIDAKA, Keisho (Tokyo Gakugei University); Dr GININA, Elena (HEPHY Vienna)

**Presenter:** Prof. HIDAKA, Keisho (Tokyo Gakugei University)

**Session Classification:** Wednesday sessions

**Track Classification:** Higgs track

Contribution ID: 3

Type: **Higgs**

## **Snowmass EF01 report: Higgs Boson properties and couplings**

*Wednesday, 20 April 2022 14:15 (20 minutes)*

**Presenter:** VERNIERI, Caterina (SLAC National Accelerator Laboratory (US))

**Session Classification:** Wednesday sessions

Contribution ID: 4

Type: **not specified**

## **Snowmass EF02 report: Higgs Boson as a portal to new physics**

*Wednesday, 20 April 2022 14:45 (20 minutes)*

**Presenter:** OJALVO, Isobel (Princeton University (US))

**Session Classification:** Wednesday sessions

Contribution ID: 5

Type: **not specified**

## **The case for precision Higgs measurements**

*Wednesday, 20 April 2022 15:15 (20 minutes)*

**Your main area of your contribution**

**Presenter:** PESKIN, Michael

**Session Classification:** Wednesday sessions

Contribution ID: 6

Type: **Higgs**

## **Higgs at the HL-LHC - ultimate reaches and challenges**

*Wednesday, 20 April 2022 16:15 (20 minutes)*

### **Your main area of your contribution**

**Presenter:** WARDLE, Nicholas (Imperial College (GB))

**Session Classification:** Wednesday sessions

Contribution ID: 7

Type: **Overlapping/multiple**

## **ALICE charm fragmentation measurements**

*Thursday, 21 April 2022 10:00 (20 minutes)*

**Presenter:** DUBLA, Andrea (GSI)

**Session Classification:** Thursday sessions



Contribution ID: 8

Type: **not specified**

## **ATLAS b fragmentation measurements**

*Thursday, 21 April 2022 10:30 (15 minutes)*

**Presenter:** POLLARD, Chris (University of Oxford (GB))

**Session Classification:** Thursday sessions

Contribution ID: 9

Type: **Other**

## Flavor tagging at (HL-)LHC

*Thursday, 21 April 2022 11:25 (20 minutes)*

**Presenter:** ALISON, John (Carnegie-Mellon University (US))

**Session Classification:** Thursday sessions

Contribution ID: **10**

Type: **Other**

## **Flavor tagging e+e- colliders**

*Thursday, 21 April 2022 11:55 (20 minutes)*

**Your main area of your contribution**

**Presenter:** GOUSKOS, Loukas (CERN)

**Session Classification:** Thursday sessions

Contribution ID: 11

Type: **Top**

## **Snowmass EF03 report: Top quark physics**

*Thursday, 21 April 2022 14:00 (30 minutes)*

### **Your main area of your contribution**

**Presenter:** SCHWIENHORST, Reinhard (Michigan State University (US))

**Session Classification:** Thursday sessions

Contribution ID: 12

Type: **not specified**

## **Top at the HL-LHC - ultimate reaches and challenges**

*Thursday, 21 April 2022 14:45 (20 minutes)*

### **Your main area of your contribution**

**Presenter:** JUNG, Andreas Werner (Purdue University (US))

**Session Classification:** Thursday sessions

Contribution ID: 13

Type: **not specified**

## **Top observables for combined (HL-LHC and e+e-) interpretations**

*Thursday, 21 April 2022 15:15 (20 minutes)*

**Presenters:** PLEHN, Tilman; PLEHN, Tilman (Heidelberg University)

**Session Classification:** Thursday sessions

Contribution ID: 14

Type: **Electroweak**

## **Electroweak observables for combined (HL-LHC and e+e-) interpretations**

*Friday, 22 April 2022 11:00 (20 minutes)*

### **Your main area of your contribution**

**Presenter:** FRANCESCHINI, Roberto (Rome 3 U.)

**Session Classification:** Friday sessions

Contribution ID: 15

Type: **not specified**

## **Electroweak physics at the HL-LHC - ultimate reaches and challenges**

*Friday, 22 April 2022 12:15 (20 minutes)*

**Presenter:** TRICOLI, Alessandro (Brookhaven National Laboratory (US))

**Session Classification:** Friday sessions



Contribution ID: 16

Type: **Electroweak**

## **Snowmass EF04: EW Precision Physics and constraining new physics**

*Friday, 22 April 2022 11:30 (30 minutes)*

**Your main area of your contribution**

**Presenter:** TIAN, Junping (The University of Tokyo)

**Session Classification:** Friday sessions

Contribution ID: 17

Type: **Higgs**

## **New charged scalar contributions to $h \rightarrow Z\gamma$ in the 3HDM**

*Wednesday, 20 April 2022 17:25 (13 minutes)*

### **Your main area of your contribution**

Theory

**Primary author:** Dr YILDIRIM, Emine

**Presenter:** Dr YILDIRIM, Emine

**Session Classification:** Wednesday sessions

**Track Classification:** Higgs track

Contribution ID: **18**

Type: **not specified**

## **Meet for walking to dinner venue**

*Thursday, 21 April 2022 19:00 (5 minutes)*

**Your main area of your contribution**

**Session Classification:** Informal workshop dinner

Contribution ID: 19

Type: **not specified**

## Walk to dinner venue

*Thursday, 21 April 2022 19:10 (20 minutes)*

**Session Classification:** Informal workshop dinner

Contribution ID: **20**

Type: **not specified**

## **Dinner**

*Thursday, 21 April 2022 19:30 (3 hours)*

**Session Classification:** Informal workshop dinner

Contribution ID: 21

Type: **not specified**

## Opening and Introduction

*Wednesday, 20 April 2022 14:00 (10 minutes)*

**Presenter:** KOENEKE, Karsten (Albert Ludwigs Universitaet Freiburg (DE))

**Session Classification:** Opening

Contribution ID: 22

Type: **not specified**

## Closeout

*Friday, 22 April 2022 12:45 (10 minutes)*

**Session Classification:** Closeout