

**2nd general meeting of  
ILC-Japan Physics Working  
Group**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Higgs-Self Coupling at LHC-ATLAS

*Wednesday 22 February 2023 14:40 (25 minutes)*

**Presenter:** MASUBUCHI, Tatsuya (ICEPP)

Contribution ID: 2

Type: **not specified**

## **Higgs Self-Coupling at ILC**

*Wednesday 22 February 2023 16:00 (25 minutes)*

**Presenter:** TORNDAL, Julie Munch (DESY)

Contribution ID: 3

Type: **not specified**

## **HH -> 4b at ATLAS**

*Wednesday 22 February 2023 15:10 (25 minutes)*

**Presenter:** HAYASHIDA

Contribution ID: 4

Type: **not specified**

## **Testability of models with a deviation in the hhh coupling**

*Wednesday 22 February 2023 14:10 (25 minutes)*

**Presenter:** HASHINO, Katsuya

Contribution ID: 5

Type: **not specified**

## Introduction

*Wednesday 22 February 2023 14:00 (10 minutes)*

**Presenter:** ISHINO, Masaya (University of Tokyo (JP))

Contribution ID: 6

Type: **not specified**

## Discussion

*Wednesday 22 February 2023 16:30 (30 minutes)*

Contribution ID: 7

Type: **not specified**

# **Interplay of physics and detector development for Higgs factories**

*Wednesday 22 February 2023 17:00 (20 minutes)*

**Presenter:** SUEHARA, Taikan (Kyushu University)



Contribution ID: 8

Type: **not specified**

## Discussion

*Wednesday 22 February 2023 17:20 (20 minutes)*

Contribution ID: 9

Type: **not specified**

## Overview of beam- and machine-induced background studies for C<sup>3</sup>

*Wednesday 22 February 2023 10:00 (20 minutes)*

**Presenter:** NTOUNIS, Dimitris (SLAC National Accelerator Laboratory (US))

**Session Classification:** Ongoing analysis studies for Higgs factories

Contribution ID: **10**

Type: **not specified**

## **Probing heavy Majorana neutrino pair production at ILC250 in a $U(1)_{B-L}$ extension of the Standard Model**

*Wednesday 22 February 2023 10:50 (20 minutes)*

**Presenter:** NAKAJIMA, Jurina (SOKENDAI/KEK)

**Session Classification:** Ongoing analysis studies for Higgs factories

Contribution ID: 11

Type: **not specified**

## Measuring the tau polarisation at ILC

*Wednesday 22 February 2023 10:25 (20 minutes)*

**Presenter:** Mr YUMINO, Keita (SOKENDAI)

**Session Classification:** Ongoing analysis studies for Higgs factories

Contribution ID: 12

Type: **not specified**

## Clustering of Calorimeter Hits with GravNet

*Wednesday 22 February 2023 11:15 (20 minutes)*

**Presenter:** TSUMURA, Shusaku (Kyushu University)

**Session Classification:** Ongoing analysis studies for Higgs factories

Contribution ID: 13

Type: **not specified**

## Flavor Tagging with GNN

*Wednesday 22 February 2023 11:40 (20 minutes)*

**Presenter:** Mr ONOE, Tomoki (Kyushu University)

**Session Classification:** Ongoing analysis studies for Higgs factories

Contribution ID: 14

Type: **not specified**

## **Z' search in 2f final states with ILC 500 GeV**

*Wednesday 22 February 2023 12:05 (20 minutes)*

**Presenter:** NAGAE, Koushi (Kyushu University)

**Session Classification:** Ongoing analysis studies for Higgs factories

Contribution ID: 15

Type: **not specified**

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

*Wednesday 22 February 2023 12:30 (20 minutes)*

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

**Session Classification:** Ongoing analysis studies for Higgs factories