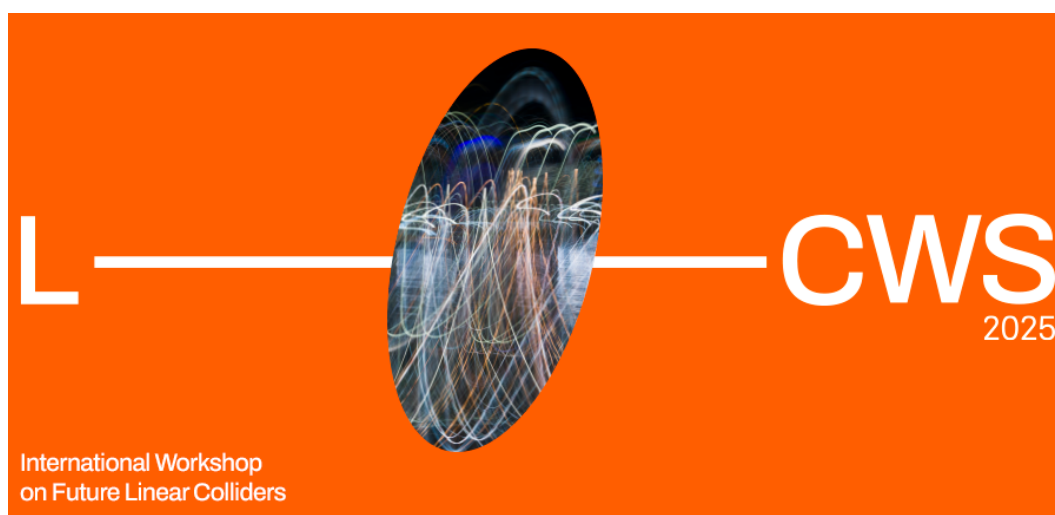


## Session Program

20-24 Oct 2025



## International Workshop on Future Linear Colliders 2025

### *Higgs and Electroweak Physics*

ADEIT

Plaza Virgen de la Paz, 3, Ciutat Vella, 46001 Valencia <https://share.google/D7sug4eBogLU1ikDq>

Wednesday 22 October

09:00

Higgs and Electroweak Physics: Joint with BSM

Session | Location: ADEIT, Salón de Actos | Convener: Krzysztof Mekala

09:00–09:25 New Physics searches at (HL-)LHC

Speakers

Alberto Cervelli, Alberto Cervelli

09:25–09:40 Impact of polarized beams for Higgs, Electroweak and BSM Physics

Speaker

Gudrid Moortgat-Pick

09:40–09:55 Sensitivity to New Physics in the trilinear Higgs coupling

Speaker

Kateryna Radchenko Serdula

09:55–10:10 Refining Two-Loop Corrections to Trilinear Higgs Couplings

Speaker

Dr Johannes Braathen

10:10–10:25 Effective field theory for type II seesaw model --symmetric phase v.s. broken phase--

Speaker

Yoshiki Uchida

10:25–10:40 Looking for a SFOEWPT in the RxSM at future linear colliders and LISA

Speaker

Dr Johannes Braathen

10:40–10:55 Probing CP Violation in  $H \rightarrow \tau\tau$  at an  $e^+e^-$ -Linear Collider

Speaker

Lea Kuttler

11:00

11:30

Higgs and Electroweak Physics

Session | Location: ADEIT, Salón de Actos | Conveners: Arantxa Ruiz Martinez, Loukas Gouskos

11:30–11:55 Higgs physics at the HL-LHC

Speaker

Giada Mancini

11:55–12:10 Higgs production in association with a Z boson at TeV-scale lepton colliders

Speaker

Hiroyuki Furusato

13:30

12:10-12:25	<b>Higgs self-coupling measurement at the ILC at 550 GeV</b>
<b>Speaker</b>	Julie Munch Torndal
12:25-12:40	<b>Probing strong first-order electroweak phase transition scenarios in Two-Higgs-Doublet Model with FCC-ee/CEPC</b>
<b>Speaker</b>	Anisha .
12:40-12:55	<b>Higgs Self-Coupling Measurement with an XFEL Photon-Photon Collider</b>
<b>Speaker</b>	Ariel Gustavo Schwartzman
12:55-13:10	<b>BSM Higgs physics at the Photon collider</b>
<b>Speaker</b>	Marten Berger
13:10-13:25	<b>Indications for a 150 GeV Triplet Higgs at the LHC</b>
<b>Speaker</b>	Saiyad Ashanujjaman

## Thursday 23 October

09:40

### Higgs and Electroweak Physics

**Session** | **Location:** ADEIT, Aula 2.4 | **Conveners:** Taikan Suehara, Dr Johannes Braathen

09:40–09:55

**LUXE: a high-precision experiment to study non-perturbative QED in electron-laser and photon-laser collisions**

**Speaker**

Aleksander Filip Zarniecki

09:55–10:10

**Quantum entanglement and Bell inequality violations at Future Linear Colliders**

**Speaker**

Emidio Gabrielli

10:10–10:25

**Determination of the first-generation quark couplings at the Z-pole**

**Speaker**

Krzysztof Mekala

10:25–10:40

**Evaluation of measurement accuracy of Higgs coupling constant to strange quarks in the International Linear Collider**

**Speakers**

Taikan Suehara, Takumi Seino

11:00