

## **Session Program**

**Oct 1 - 2, 2018**

# **The Future of Particle Physics: A Quest for Guiding Principles**

## **Talks**

Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI)  
Engesserstraße 5, 76131 Karlsruhe

# Mon, October 1

8:50 AM

## Talks

**Session** |

**Location:** Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe

08:50 – 09:00 **Opening and Welcome**

**Speakers**

Oliver Fischer, Thomas Mueller

09:00 – 09:40 **Introduction**

**Speaker**

Chris Quigg

09:40 – 10:10 **FCC project & update**

**Speaker**

Frank Zimmermann

10:10 – 10:30 **Prospects for long lived particle measurements at the LHC**

**Speaker**

Albert de Roeck

10:30 AM

11:00 AM

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11:00 – 11:30 **Electrons for the LHC: The LHeC Project**

**Speaker**

Christian Schwanenberger

11:30 – 12:00 **ILC Update**

**Speaker**

Marcel Stanitzki

12:00 – 12:30 **CEPC project & update**

**Speaker**

Manqi Ruan

12:30 – 13:00 **Hyper Kamiokande update**

**Speaker**

Masashi Yokoyama

1:00 PM

2:00 PM

## Talks

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14:00 – 14:20 **MATHUSLA**

	<p><b>Speaker</b> Cristiano Alpigiani</p>
	<p>14:20 – 14:40 <b>Rare Processes in Kaons and Muons</b></p> <p><b>Speaker</b> Augusto Cecucci</p>
	<p>14:40 – 15:00 <b>FCC physics</b></p> <p><b>Speaker</b> Alain Blondel</p>
	<p>15:00 – 15:20 <b>Large-N and Mimesis at Hadron Colliders</b></p> <p><b>Speaker</b> Raffaele Tito D'Agnolo</p>
3:20 PM	
3:40 PM	<p><b>Talks</b> <b>Session</b>   <b>Location:</b> Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe</p>
	<p>15:40 – 16:10 <b>Theory Overview on Neutrino Physics</b></p> <p><b>Speaker</b> Jose Valle</p>
	<p>16:10 – 16:40 <b>Experimental Overview on Neutrino Physics</b></p> <p><b>Speaker</b> Alfons Weber</p>
	<p>16:40 – 17:00 <b>Dune project &amp; update</b></p> <p><b>Speaker</b> Alfons Weber</p>
5:00 PM	
5:10 PM	<p><b>Talks</b> <b>Session</b>   <b>Location:</b> Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe</p>
	<p>17:10 – 17:30 <b>The nuMSM</b></p> <p><b>Speaker</b> Marco Drewes</p>
	<p>17:30 – 17:50 <b>LR models at low energy</b></p> <p><b>Speaker</b> Vedran Brdar</p>
	<p>17:50 – 18:10 <b>Axion Like Particles at Future Colliders</b></p> <p><b>Speaker</b> Andrea Thamm</p>
6:10 PM	

## Tue, October 2

9:00 AM

### Talks

**Session** |

**Location:** Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe

09:00 – 09:30

#### Classicalization at energy frontiers

**Speaker**

Gia Dvali

09:30 – 10:00

#### Physics after the discovery of the Higgs boson

**Speaker**

Jochum van der Bij

10:00 – 10:30

#### New Avenues to Axions

**Speaker**

Belen Gavela

10:30 AM

10:50 AM

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10:50 – 11:10

#### Future Higgs measurements at colliders

**Speaker**

Felix Yu

11:10 – 11:30

#### The cruel and uneventful life of the Extended Higgs Sectors

**Speaker**

Rui Santos

11:30 – 11:50

#### Higgs boson associated production processes

**Speaker**

Andreas Papaefstathiou

11:50 – 12:10

#### Future collider projects in the light of the triple Higgs coupling

**Speaker**

Julien Baglio

12:10 PM

1:20 PM

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13:20 – 13:40

#### At which scale are the sparticle masses - a GUT model perspective

**Speaker**

Stefan Antusch

13:40 – 14:00

#### A new Higgs Boson at 96 GeV ?!

	<b>Speaker</b> Sven Heinemeyer
	14:00 – 14:30 <b>BSM@pp via Higgs and Top portals</b>  <b>Speaker</b> Rohini Godbole
2:50 PM	14:30 – 14:50 <b>Probing gravitational waves from the electroweak epoch with LISA</b>  <b>Speaker</b> Jose Miguel No
3:10 PM	<b>Talks</b>
	<b>Session  </b> <b>Location:</b> Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe
	15:10 – 15:30 <b>Quo Vadis flavor anomalies?</b>  <b>Speaker</b> Marcin Chrzaszcz
	15:30 – 15:50 <b>Flavor models for the anomalies</b>  <b>Speaker</b> Andreas Crivellin
4:10 PM	15:50 – 16:10 <b>Low energy flavor physics</b>  <b>Speaker</b> Dominick Stoeckinger