



# Planck 2018

## From the Planck Scale to the Electroweak Scale

### Monday 21 May 2018

#### Plenary Session (10:00 - 10:30)

-Conveners: Herbert Dreiner

time	[id] title	presenter
10:00	[11] Dark matter interactions and large scale structure of the universe	SCHMALTZ, Martin

#### Plenary Session (11:00 - 12:30)

-Conveners: Howard Haber

time	[id] title	presenter
11:00	[13] ALP-driven magnetogenesis and photon-ALP-dark photon oscillations	CHOI, Kiwoon
11:30	[14] Solving the Hierarchy Problem Discretely	HOOK, Anson
12:00	[15] An Update on the LHC Monojet Excess	SHIH, David

#### Plenary Session (14:30 - 16:00)

-Conveners: Marek Olechowski

time	[id] title	presenter
14:30	[16] Order-4 CP symmetry: flavor, dark matter, and beyond	Dr IVANOV, Igor
15:00	[17] Improved theoretical constraints on BSM models	Dr STAUB, Florian
15:30	[18] Composite Dark Matter	WEILER, Andreas

#### Plenary Session (16:30 - 17:00)

-Conveners: Thomas Flacke

time	[id] title	presenter
16:30	[19] Theories of Flavour from the Planck scale to the Electroweak Scale	KING, Steve

# Tuesday 22 May 2018

## Plenary Session (10:00 - 10:30)

-Conveners: Manuel Drees

time	[id] title	presenter
10:00	[21] Higgs coupling measurements and their implications on new physics	SPANNOWSKY, Michael

## Plenary Session (11:00 - 12:30)

-Conveners: Margarete Mühleitner

time	[id] title	presenter
11:00	[22] LHC Recasting Tools and Applications	Dr KIM, Jong Soo
11:30	[23] Natural SUSY from the landscape	Prof. BAER, Howard Baer
12:00	[24] Searches for long-lived particles at the LHC: closing the gaps in BSM signature coverage	Dr DESAI, Nishita

# Wednesday 23 May 2018

## Plenary Session (10:00 - 10:30)

-Conveners: Kiwoon Choi

time [id] title

presenter

10:00	[53] New physics in $b \rightarrow c \bar{c} s$ transitions	JAEGER, Sebastian
-------	---	-------------------

## Plenary Session (11:00 - 12:30)

-Conveners: Michal Malinsky

time [id] title

presenter

11:00	[54] Deviations in Flavor Physics and Their Implications	Dr STRAUB, David
11:30	[55] Status of eV-scale Sterile Neutrinos	Dr GIUNTI, Carlo
12:00	[56] Clockwork Inspired Models For Ultra-Light Scalars	POKORSKI, Stefan

# Thursday 24 May 2018

## **Plenary Session (10:00 - 10:30)**

-Conveners: Stefan Foerste

time	[id] title	presenter
10:00	[142] Quantum Gravity constraints on Particle Physics and Cosmology	Ms VALENZUELA, Irene

## **Plenary Session: Plenary Session (11:00 - 12:30)**

-Conveners: Stuart Raby

time	[id] title	presenter
11:00	[143] Light states in the distance: evidence for a Quantum Gravity Conjecture	Dr GRIMM, Thomas
11:30	[144] Pole N-flation	WESTPHAL, Alexander
12:00	[145] From stringy vacua with particle physics spectrum to the effective action - exemplified by a non-factorisable orientifold -	Prof. HONECKER, Gabriele

# Friday 25 May 2018

## **Plenary Session: Plenary Session (10:00 - 10:30)**

-Conveners: Athanasios Dedes

time	[id] title	presenter
10:00	[78] Gravitational waves from first order phase transitions	HUBER, Stephan

## **Plenary Session: Plenary Session (11:00 - 12:30)**

-Conveners: Hans Peter Nilles

time	[id] title	presenter
11:00	[79] Signatures of particle production during inflation	PELOSO, Marco
11:30	[80] Dark Matter Searches with Charged Cosmic Rays	Dr WINKLER, Martin
12:00	[81] New signals from dark sectors	SCHWALLER, Pedro

## **Plenary Session: Plenary Session (14:00 - 16:00)**

-Conveners: Stefan Pokorski

time	[id] title	presenter
14:00	[82] Saxion/Higgs Inflation and Axion Dark Matter	RINGWALD, Andreas
14:30	[83] Recent Progress in sub-GeV Dark Matter Direct Detection	YU, Tien-Tien
15:00	[84] Novel decay and scattering signatures of light dark matter	PRADLER, Josef
15:30	[85] Physics Potential of the LHC Upgrades	HAN, Tao