

Session Program

8-12 Apr 2019

Light scalars: origin, cosmology, astrophysics, and experimental probes

Overview Talks

Centro de Ciencias de Benasque Pedro Pascual
Av. Francia 17 Benasque 22440 Spain

Monday 8 April

10:15

Overview Talks

Session | **Location:** Centro de Ciencias de Benasque Pedro Pascual, Av. Francia 17 Benasque 22440 Spain

10:15–10:45 **Overview of axion experiments' landscape**

Speaker

Igor Garcia Irastorza

11:15–11:45 **Light scalars at the LHC**

Speaker

Verena Ingrid Martinez Outschoorn

12:15–12:45 **Amplitudes' positivity, weak gravity conjecture and modified gravity**

Speaker

Javier Serra Mari

13:00

Tuesday 9 April

09:30

Overview Talks

Session | **Location:** Centro de Ciencias de Benasque Pedro Pascual, Av. Francia 17 Benasque 22440 Spain

09:30–10:00 **QCD axion updates**

Speaker

Javier Redondo

10:30

11:00

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11:00–11:30 **Experimental overview of physics beyond colliders**

Speaker

Gaia Lanfranchi

12:00–12:30 **Light dilaton**

Speaker

Alex Pomarol

13:00

Wednesday 10 April

09:30

Overview Talks

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09:30–10:00

ALP-photon-dark photon oscillations and their cosmological or astrophysical implications

Speaker

Kiwoon Choi

10:30

11:00

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11:00–11:30

Where the wild things are

Speaker

Nemanja Kaloper

12:00

Thursday 11 April

09:30

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09:30–10:00 **Dynamical emergence of a small cosmological constant**

Speaker

Tomer Volansky

10:30

11:00

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11:00–11:30 **Ultra-light axions, weak gravity, and Euclidean wormholes**

Speaker

Arthur Hebecker

12:00–12:30 **Relaxion stars and their detection via atomic physics**

Speaker

Hyungjin Kim

13:00