

Session Program

Sep 3 - 7, 2018



Invisibles18 Workshop

Axions

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

Tue, September 4

4:30 PM

Axions

Session |**Location:** Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe |**Convener:** Chair: Michele Frigerio

16:30 – 17:00

Factoring the strong CP problem**Speaker**

Prateek Agrawal

17:00 – 17:30

The Strong CP Problem: Models with Exotic Color Groups.**Speaker**

Rachel Houtz

17:30 – 18:00

A gauged $U(1)$ Peccei-Quinn symmetry**Speaker**

Masahiro Ibe

6:00 PM

Wed, September 5

9:00 AM

Axions

Session |

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

Convener: Chair: Joerg Jaeckel

09:00 – 09:30

Axion - Experiment Overview

Speaker

Caterina Braggio

09:30 – 10:00

Axion couplings in non-standard axion models

Speaker

Luca di Luzio

10:00 – 10:30

PhD forum 5

Subcontributions

The Dark-Matter Axion Mass (Vincent Klaer)

Speaker

Vincent Klaer

Axion Minicluster Power Spectrum and Mass Function (Andreas Pargner)

Speaker

Andreas Pargner

Axion couplings to EW gauge bosons (Pablo Quílez Lasanta)

Speaker

Pablo Quílez Lasanta

Non-minimally Coupled Scalar Dark Matter from Inflationary Fluctuations (Gonzalo Alonso Alvarez)

Speaker

Gonzalo Alonso Alvarez

Quasi-local energy and compactification (Raquel Santos)

Speaker

Raquel Santos

10:30 – 11:00

Structure formation with Axion and ALP Dark Matter

Speaker

Jens Niemeyer

11:00 AM

11:30 AM

Axions

Session |**Location:** Karlsruhe Institute of Technology (KIT), Nachrichtentechnik - Hörsaal (NTI), Engesserstraße 5, 76131 Karlsruhe |**Convener:** Chair: Georg Raffelt

11:30 – 12:00

Dense and dilute axion stars

Speaker

Luca Visinelli

12:00 – 12:30

Indirect detection of axion dark matter

Speaker

Ben Safdi

12:30 – 13:00

Axion Discussion

Speaker

Eung Jin Chun

1:00 PM