Particle Physics School Colloquium

Report of Contributions

https://indico.mpp.mpg.de/e/5547

Contribution ID: **0** Type: **not specified**

Introduction

Thursday, 14 December 2017 10:30 (15 minutes)

Presenter: HÖNLE, Andreas

Contribution ID: **1** Type: **not specified**

Topological Superconductors

Thursday, 14 December 2017 11:15 (30 minutes)

Presenter: AHMED, Ismail

Contribution ID: **2** Type: **not specified**

Hidden symmetries in integrable models

Thursday, 14 December 2017 10:45 (30 minutes)

Presenter: OSTEN, David

Contribution ID: **3** Type: **not specified**

New light detector prototyping for the MAGIC telescopes

Thursday, 14 December 2017 16:30 (30 minutes)

Presenter: HAHN, Alexander

Contribution ID: **4** Type: **not specified**

Background measurements with electric dipole pulse at the KATRIN experiment

Thursday, 14 December 2017 16:00 (30 minutes)

Presenter: POLLITHY, Anna

Contribution ID: **5** Type: **not specified**

Gravitational memory

Thursday, 14 December 2017 11:45 (30 minutes)

Presenter: BART, Henk

Contribution ID: **6** Type: **not specified**

Probing Gamma-ray Emission of Geminga and Vela with superposition model

Thursday, 14 December 2017 17:00 (30 minutes)

Presenter: CHAI, Yating

Contribution ID: **7** Type: **not specified**

Guest Lecture: Distinguishing axions from WIMPs as CDM?

Thursday, 14 December 2017 14:15 (1h 15m)

The QCD Axion is a Beyond-the-standard-model Curiosity: introduced to solve the strong CP problem, it is effectively described by a one-particle, one-parameter new physics model, and it contributes Dark Matter which redshifts and grows linear structure like CDM, despite having a mass comparable to a neutrino's. In the scenario where the axion is born after inflation, I will review the growth of Large Scale Structure in the presence of axion CDM, and speculate about axion configurations in our galaxy today.

Presenter: Prof. DAVIDSON, Sacha