

The XXVIII International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021)

Thursday, 26 August 2021

Axion Physics and Experiments (13:30 - 15:30)

-Conveners: Nick Houston

time	[id] title	presenter
13:30	[43] Axion Quality from Superconformal Dynamics	Prof. NAKAI, Yuichiro
13:50	[356] Probe Dark Matter Axions with Broadband and Narrowband methods	YANG, Qiaoli
14:10	[266] The echo method for axion dark matter detection	ARZA, Ariel
14:30	[176] Detecting an Axion-like particle with machine learning and jet substructure variables at the LHC	WANG, Daohan
14:50	[350] Axion haloscope array With PT symmetry beyond the quantum limit	CHEN, Yifan

Friday, 27 August 2021

Axion Physics and Experiments (10:10 - 11:30)

-Conveners: Nick Houston

time	[id] title	presenter
10:10	[83] High-quality axions in solutions to the μ problem	BHATTIPROLU, Prudhvi
10:30	[404] Resurrecting Low-Mass Axion Dark Matter Via a Dynamical QCD Scale	HUANG, Fei
10:50	[12] The Earth as a transducer for dark-photon dark-matter detection	KALIA, Saarik

Axion Physics and Experiments (13:30 - 15:30)

-Conveners: Qiaoli Yang

time	[id] title	presenter
13:30	[179] Cosmic Birefringence Triggered by Dark Matter Domination	Prof. YAMADA, Masaki
13:50	[240] Heavy QCD axion inflation and strong CP problem	YIN, Wen
14:10	[180] Non-thermally trapped inflation due to the tachyonic instability	NAKAGAWA, Shota
14:30	[458] Searching for solar axions with SNO	HOUSTON, Nick

Axion Physics and Experiments (16:00 - 18:00)

-Conveners: Qiaoli Yang

time	[id] title	presenter
16:00	[465] Thermal axion production across the QCD phase transition	HAJKARIM, Fazlollah
16:20	[466] Thermal QCD axions across thresholds	YUN, Seokhoon
16:40	[192] Photophilic hadronic axion from heavy magnetic monopoles	SOKOLOV, Anton
17:00	[104] Hunting Axions Using Astrophysical Observation and Quantum Metrology	Mr CHEN, Yifan
17:20	[301] Axion Telescopes: detecting stellar axions.	GIANNOTTI, Maurizio