IPA 2018 (Interplay between Particle and Astroparticle physics)



Report of Contributions

IPA 2018 (Interp $\,\cdots\,$ / Report of Contributions

Welcome

Contribution ID: 1 Type: not specified

Welcome

Monday 8 October 2018 09:00 (25 minutes)

Session Classification: Plenary

Contribution ID: 2 Type: not specified

Status of anomalies in indirect detection

Monday 8 October 2018 09:30 (25 minutes)

Presenter: LINDEN, Tim

Session Classification: Plenary

Contribution ID: 3 Type: not specified

Multi-messenger astronomy results

Monday 8 October 2018 10:00 (25 minutes)

Presenter: CHEN, Hsin-Yu

Session Classification: Plenary

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

Low threshold DM experiments

Monday 8 October 2018 11:00 (25 minutes)

Presenter: ROBERT, Calkins

Session Classification: Plenary

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

Perspectives on axions

Monday 8 October 2018 11:30 (25 minutes)

Presenter: KAHN, Yoni

Session Classification: Plenary

Student talks

Contribution ID: 6 Type: not specified

Student talks

Session Classification: Plenary

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

General status of flavor physics

Monday 8 October 2018 14:00 (25 minutes)

Presenter: GROSSMAN, Yuval (Cornell)

Session Classification: Plenary

Contribution ID: 8 Type: not specified

Status and prospects of LFUV measurements in B physics

Monday 8 October 2018 14:30 (25 minutes)

Presenter: ISHIKAWA, Akimasa (Tohoku University (JP))

Session Classification: Plenary

Contribution ID: 9 Type: not specified

Implication of anomalies in B physics for high pT

Monday 8 October 2018 15:00 (25 minutes)

Presenter: MATIAS, Joaquim (Universitat Autonoma Barcelona)

Session Classification: Plenary

Contribution ID: 10 Type: not specified

Neutrino properties from Cosmology: status and outlook including sterile neutrinos

Monday 8 October 2018 16:00 (25 minutes)

Presenter: DE HAAN, Tijmen

Session Classification: Plenary

Contribution ID: 11 Type: not specified

Neutrino mass hierarchy

Monday 8 October 2018 16:30 (25 minutes)

Presenter: ZHANG, Chao (BNL)

Session Classification: Plenary

Contribution ID: 12 Type: not specified

Neutrino experiment results and prospects for CP violation

Monday 8 October 2018 17:00 (25 minutes)

Presenter: SUTER, Louise (University of Manchester)

Session Classification: Plenary

Contribution ID: 13 Type: not specified

Double beta decay

Monday 8 October 2018 17:30 (25 minutes)

Presenter: KOLOMENSKY, Yury (UC Berkeley/LBNL)

Session Classification: Plenary

Contribution ID: 14 Type: not specified

Coherent Neutrino Scattering

Tuesday 9 October 2018 09:15 (25 minutes)

Presenter: SCHOLBERG, Kate (Duke University)

Session Classification: Plenary

Contribution ID: 15 Type: not specified

Charged lepton flavor violation (mu2e, mu3e,...)

Tuesday 9 October 2018 09:45 (25 minutes)

Presenter: BANERJEE, Swagato (University of Louisville (US))

Session Classification: Plenary

IPA 2018 (Interp $\,\cdots\,$ / Report of Contributions

Update on (g-2)_mu

Contribution ID: 16 Type: not specified

Update on (g-2)_mu

Tuesday 9 October 2018 10:15 (25 minutes)

Presenter: WALTON, Tammy

Session Classification: Plenary

Contribution ID: 17 Type: not specified

Searches for milicharged particles, heavy ionizing particles

Presenter: HAAS, Andrew (New York University)

Session Classification: Plenary

Contribution ID: 18 Type: not specified

Searches for long lived particles at the LHC

Tuesday 9 October 2018 11:30 (25 minutes)

Presenter: BEACHAM, James (Duke University)

Session Classification: Plenary

IPA 2018 (Interp $\,\cdots\,$ / Report of Contributions

Student talks

Contribution ID: 19 Type: not specified

Student talks

Session Classification: Plenary

Contribution ID: 20 Type: not specified

Discovering or falsifying predictive models of sub-GeV thermal dark matter

Tuesday 9 October 2018 14:00 (25 minutes)

Presenter: KRNJAIC, Gordan (Fermilab)

Session Classification: Plenary

Contribution ID: 21 Type: not specified

Portal searches (heavy photons)

Tuesday 9 October 2018 14:30 (25 minutes)

Presenter: WILLIAMS, J Michael (Massachusetts Inst. of Technology (US))

Session Classification: Plenary

Contribution ID: 22 Type: not specified

Gravitational wave measurements

Tuesday 9 October 2018 15:30 (25 minutes)

Presenter: ESSICK, Reed

Session Classification: Plenary

Contribution ID: 23 Type: not specified

Primordial black holes in the wake of LIGO

Tuesday 9 October 2018 16:30 (25 minutes)

Presenter: FERRER, Francesc

Session Classification: Plenary

Contribution ID: 24 Type: not specified

Gravitational waves and pulsar timing arrays

Tuesday 9 October 2018 17:00 (25 minutes)

Presenter: MINGARELLI, Chiara

Session Classification: Plenary

Contribution ID: 25 Type: not specified

Cosmological sources of gravitational waves

Tuesday 9 October 2018 17:30 (25 minutes)

Presenter: HOOK, Anson

Session Classification: Plenary

Contribution ID: 26 Type: not specified

Modified gravity

Presenter: FRANDSEN, Mads (Oxford University)

Session Classification: Plenary

Contribution ID: 27 Type: not specified

Status and new ideas in electroweak baryogenesis

Wednesday 10 October 2018 09:00 (25 minutes)

Presenter: FUYUTO, Kaori (Japan)

Session Classification: Plenary

Contribution ID: 28 Type: not specified

New low scale baryogenesis models

Wednesday 10 October 2018 09:30 (25 minutes)

Presenter: MCKEEN, David (TRIUMF)

Session Classification: Plenary

Contribution ID: 29 Type: not specified

Testing baryogenesis/leptogenesis at present and future colliders

Wednesday 10 October 2018 10:00 (25 minutes)

Presenter: Dr LONG, Andrew (University of Michigan - LCTP)

Session Classification: Plenary

Contribution ID: 30 Type: not specified

Constraining dark matter with CMB

Wednesday 10 October 2018 11:00 (25 minutes)

Presenter: BODDY, Kimberly

Session Classification: Plenary

Contribution ID: 31 Type: not specified

21 cm cosmology and connections to dark sectors

Wednesday 10 October 2018 11:30 (25 minutes)

Presenter: MIROCHA, Jordan

Session Classification: Plenary

IPA 2018 (Interp $\,\cdots\,$ / Report of Contributions

Student talks

Contribution ID: 32 Type: not specified

Student talks

Session Classification: Plenary

Contribution ID: 33 Type: not specified

Dark matter candidates and models

Thursday 11 October 2018 09:15 (25 minutes)

Presenter: FARINA, Marco (Rutgers University)

Session Classification: Plenary

Contribution ID: 34 Type: not specified

Direct Dark matter searches (exp overview)

Thursday 11 October 2018 09:45 (25 minutes)

Presenter: LANG, Rafael

Session Classification: Plenary

Contribution ID: 35 Type: not specified

Indirect detection of dark matter

Thursday 11 October 2018 10:15 (25 minutes)

Presenter: STRIGARI, Louis (Texas A&M)

Session Classification: Plenary

Contribution ID: 36 Type: not specified

Dark matter at the LHC

Thursday 11 October 2018 11:15 (25 minutes)

Presenter: Dr PANIZZO, Giancarlo (INFN Gruppo collegato di Udine)

Session Classification: Plenary

Contribution ID: 37 Type: not specified

Theory of global DM fits/interpretations (direct, indirect,LHC)

Thursday 11 October 2018 11:45 (25 minutes)

Presenter: BROD, Joachim (TU Dortmund)

Session Classification: Plenary

IPA 2018 (Interp $\,\cdots\,$ / Report of Contributions

Student talks

Contribution ID: 38 Type: not specified

Student talks

Session Classification: Plenary

Contribution ID: 39 Type: not specified

Cosmology and the Higgs boson

Thursday 11 October 2018 14:00 (25 minutes)

Presenter: FAN, JiJi (Brown University)

Session Classification: Plenary

Contribution ID: 40 Type: not specified

Tensions in LambdaCDM

Thursday 11 October 2018 14:30 (25 minutes)

Presenter: ADDISON, Graeme

Session Classification: Plenary

Contribution ID: 41 Type: not specified

Inflationary Models

Presenter: QUEVEDO, Fernando (The Abdus Salam International Centre for Theoretical Physics)

Session Classification: Plenary

Contribution ID: 42 Type: not specified

Future of constraints on inflation

Thursday 11 October 2018 15:30 (25 minutes)

Presenter: HAZUMI, Masashi (KEK)

Session Classification: Plenary

Contribution ID: 43 Type: not specified

Status and prospects for DES and LSST

Thursday 11 October 2018 16:00 (25 minutes)

Presenter: ROODMAN, Aaron

Session Classification: Plenary

Contribution ID: 44 Type: **not specified**

Overview of beyond the standard model phenomenology

Friday 12 October 2018 09:15 (25 minutes)

Presenter: FOX, Patrick

Session Classification: Plenary

Contribution ID: 45 Type: not specified

Overview of collider searches

Friday 12 October 2018 09:45 (25 minutes)

Presenter: HARRIS, Philip Coleman (Massachusetts Inst. of Technology (US))

Session Classification: Plenary

Contribution ID: 46 Type: not specified

Physics at future colliders

Friday 12 October 2018 10:15 (25 minutes)

Presenter: WANG, LianTao (University of Chicago)

Session Classification: Plenary

Contribution ID: 47 Type: **not specified**

Self-interacting dark matter

Presenter: PETER, Annika (Ohio State University)

Session Classification: Plenary

Contribution ID: 48 Type: not specified

Dark matter properties from GAIA

Friday 12 October 2018 11:45 (25 minutes)

Presenter: NECIB, Lina (California Institute of Technology)

Session Classification: Plenary

Contribution ID: 49 Type: not specified

Student talks

Session Classification: Plenary

Contribution ID: 50 Type: not specified

Experimental Neutrino Astronomy

Friday 12 October 2018 14:00 (25 minutes)

Presenter: YUAN, Tianlu

Session Classification: Plenary

Contribution ID: 51 Type: not specified

High Energy Cosmic Rays

Friday 12 October 2018 14:30 (25 minutes)

Presenter: SERPICO, Pasquale (LAPTH, Annecy-le-vieux)

Session Classification: Plenary

Contribution ID: 52 Type: not specified

Neutrino Masses, Dark Matter and the New Physics Scale

Friday 12 October 2018 11:15 (25 minutes)

Presenter: Prof. FILEVIEZ PEREZ, Pavel (Case Western Reserve University)

Session Classification: Plenary

IPA2020

Contribution ID: 53 Type: not specified

IPA2020

Friday 12 October 2018 15:00 (10 minutes)

Presenter: INGUGLIA, gianluca

Session Classification: Plenary

Contribution ID: 54 Type: not specified

Self-interacting dark matter

Tuesday 9 October 2018 15:00 (25 minutes)

Presenter: PETER, Annika

Session Classification: Plenary

Contribution ID: 55 Type: not specified

The Axion Quark Nugget (AQN) Dark Matter Model

Monday 8 October 2018 12:00 (8 minutes)

Presenter: GE, Shuailiang

Session Classification: Student talks

Contribution ID: 56 Type: not specified

Spin-Independent Long-Range Interactions from Weakly-Interacting Sub-eV Particles (WISPs)

Monday 8 October 2018 12:10 (8 minutes)

Presenter: ALDAIHAN, Sheakha

Session Classification: Student talks

Contribution ID: 57 Type: not specified

Simulating axion string-wall networks

Monday 8 October 2018 12:20 (8 minutes)

Presenter: FLEURY, Leesa

Session Classification: Student talks

Contribution ID: 58 Type: not specified

Supernova 1987A Constraints on Low-Mass Dark Sectors

Tuesday 9 October 2018 12:00 (8 minutes)

Presenter: CHANG, Jae Hyeok

Session Classification: Student talks

Contribution ID: 59 Type: not specified

Gravitational Waves

Tuesday 9 October 2018 12:10 (8 minutes)

Presenter: CHINCHOLE, Aditya

Session Classification: Student talks

Contribution ID: **60** Type: **not specified**

Primordial black hole formation by vacuum bubbles

Tuesday 9 October 2018 12:20 (8 minutes)

Presenter: DENG, Heling

Session Classification: Student talks

Contribution ID: 61 Type: not specified

Boosting the Annihilation Rate with Ultracompact Minihalos

Thursday 11 October 2018 12:15 (8 minutes)

Presenter: FOSTER, Joshua

Session Classification: Student talks

Contribution ID: **62** Type: **not specified**

Terrestrial effects on sub-GeV dark matter direct detection via electron scatterings for heavy and ultralight mediators

Thursday 11 October 2018 12:25 (8 minutes)

Presenter: SHOLAPURKAR, Mukul

Session Classification: Student talks

Contribution ID: 63 Type: not specified

Determining the Majorana nature of neutrino through patterns of nucleon-antinucleon oscillation and conversion processes

Thursday 11 October 2018 12:45 (8 minutes)

Presenter: YAN, Xinshuai

Session Classification: Student talks

Contribution ID: 64 Type: not specified

The Flavor of Flavorful Higgs Bosons

Friday 12 October 2018 12:15 (8 minutes)

Presenter: TUCKLER, Douglas

Session Classification: Student talks

Contribution ID: 65 Type: not specified

Study atmospheric neutrinos for the DSNB detection in Super-Kamiokande and SK-Gd

Friday 12 October 2018 12:25 (8 minutes)

Presenter: ZHOU, Bei

Session Classification: Student talks

Contribution ID: 66 Type: not specified

On Approximation Methods in the Study of Boson Stars

Friday 12 October 2018 12:35 (8 minutes)

Presenter: STREET, Lauren

Session Classification: Student talks

Contribution ID: 67 Type: not specified

Macroscopic Dark Matter detection using fluorescence detectors

Monday 8 October 2018 12:30 (8 minutes)

Presenter: SINGH SIDHU, Jagjit (CWRU)

Session Classification: Student talks

Contribution ID: 68 Type: not specified

Relativistic particle scattering and Big Bang Nucleosynthesis

Thursday 11 October 2018 12:35 (8 minutes)

Presenter: KEDIA, Atul

Session Classification: Student talks

Contribution ID: 69 Type: not specified

DUNE as the next-generation solar neutrino experiment

Tuesday 9 October 2018 12:30 (8 minutes)

Presenter: ZHU, Guanying (The Ohio State University)

Session Classification: Student talks

Contribution ID: **70** Type: **not specified**

EFT for Non Standard neutrino Interactions

Friday 12 October 2018 12:45 (8 minutes)

Presenter: TAMMARO, Michele

Session Classification: Student talks

Contribution ID: 71 Type: not specified

About excursions

Wednesday 10 October 2018 11:55 (5 minutes)

Session Classification: Plenary

Contribution ID: 72 Type: not specified

conference dinner info

Thursday 11 October 2018 16:25 (5 minutes)

Session Classification: Plenary