

Planck 2019



Report of Contributions

Contribution ID: 1

Type: **not specified**

Effective field theories for physics at the LHC

Monday, June 3, 2019 9:30 AM (30 minutes)

Presenter: DE BLAS, Jorge (INFN-Padova)

Session Classification: Plenary

Contribution ID: 2

Type: **not specified**

Session Classification: Plenary

Contribution ID: 3

Type: **not specified**

Unification of Flavor, CP and Modular Symmetries

Monday, June 3, 2019 12:00 PM (30 minutes)

Presenter: NILLES, Hans Peter (Univ. Bonn)

Session Classification: Plenary

Contribution ID: 4

Type: **not specified**

Correlating lepton observables

Monday, June 3, 2019 10:00 AM (30 minutes)

Presenter: FRIGERIO, Michele (Laboratoire Charles Coulomb)

Session Classification: Plenary

Contribution ID: 5

Type: **not specified**

UV Completion on the Worldline

Monday, June 3, 2019 12:30 PM (30 minutes)

Presenter: ABEL, Steven (University of Durham (GB))

Session Classification: Plenary

Contribution ID: 6

Type: **not specified**

Higgsino DM from natural susy

Monday, June 3, 2019 11:30 AM (30 minutes)

Presenter: DELGADO, Antonio (University of Notre Dame)

Session Classification: Plenary

Contribution ID: 7

Type: **not specified**

Theoretical Particle Physics: the challenges ahead

Monday, June 3, 2019 10:30 AM (30 minutes)

Presenter: SANZ, Veronica (University of Sussex (GB))

Session Classification: Plenary

Contribution ID: 8

Type: **not specified**

Phase transitions and gravitational waves in models of Z_N scalar dark matter

Monday, June 3, 2019 3:00 PM (20 minutes)

Presenter: KANNIKE, Kristjan (National Institute of Chemical Physics and Biophysics (EE))

Session Classification: Parallel 1A

Contribution ID: 9

Type: **not specified**

Gravitational wave energy budget in strongly supercooled phase transitions

Monday, June 3, 2019 3:20 PM (20 minutes)

Presenter: LEWICKI, Marek (Kings College London)

Session Classification: Parallel 1A

Contribution ID: 10

Type: **not specified**

Constraining Non-thermal Dark Matter by CMB

Monday, June 3, 2019 3:40 PM (20 minutes)

Presenter: DUTTA, Koushik (Saha Institute of Nuclear Physics)

Session Classification: Parallel 1A

Contribution ID: 11

Type: **not specified**

New avenues for Self-Interacting Dark Matter

Monday, June 3, 2019 4:00 PM (20 minutes)

Presenter: GARCIA CELY, Camilo (DESY)

Session Classification: Parallel 1A

Contribution ID: 12

Type: **not specified**

Next-to-minimal dark matter

Monday, June 3, 2019 4:20 PM (20 minutes)

Presenter: BRUEMMER, Felix (Université de Montpellier)

Session Classification: Parallel 1A

Contribution ID: 13

Type: **not specified**

Effective Field Theories in $R\xi$ gauges

Monday, June 3, 2019 3:00 PM (20 minutes)

Presenter: PARASKEVAS, Michael (University of Warsaw)

Session Classification: Parallel 2A

Contribution ID: 14

Type: **not specified**

Constraining the Higgs trilinear self-coupling at the HL-LHC and at the FCC-hh

Monday, June 3, 2019 3:20 PM (20 minutes)

Presenter: BANERJEE, Shankha (University of Durham (GB))

Session Classification: Parallel 2A

Contribution ID: 15

Type: **not specified**

Model-independent upper limits on lepton number violating states from neutrino mass

Monday, June 3, 2019 3:40 PM (20 minutes)

Presenter: HERRERO, Juan (INFN, SISSA)

Session Classification: Parallel 2A

Contribution ID: 16

Type: **not specified**

Collider Signals of the Mirror Twin Higgs through the Hypercharge Portal

Monday, June 3, 2019 4:00 PM (20 minutes)

Presenter: SAEREH, Najjari (Vrije Universitet Brussel)

Session Classification: Parallel 2A

Contribution ID: 17

Type: **not specified**

Relativistic effect in new force search with isotope shifts

Monday, June 3, 2019 4:20 PM (20 minutes)

Presenter: YAMAMOTO, Yasuhiro (NCBJ, Warsaw)

Session Classification: Parallel 2A

Contribution ID: **18**

Type: **not specified**

Prospects of the minimal realistic unified model

Monday, June 3, 2019 3:00 PM (20 minutes)

Presenter: MEDE, Timon (JSI & IPNP Ljubiana)

Session Classification: Parallel 3A

Contribution ID: 19

Type: **not specified**

A fresh look at the gauge coupling unification and proton decay

Monday, June 3, 2019 3:20 PM (20 minutes)

Presenter: SAKURAI, Kazuki (University of Warsaw)

Session Classification: Parallel 3A

Contribution ID: 20

Type: **not specified**

IR fixed point pattern of standard model couplings

Monday, June 3, 2019 3:40 PM (20 minutes)

Presenter: DERMISEK, Radovan (Indiana University)

Session Classification: Parallel 3A

Contribution ID: 21

Type: **not specified**

Gapped Continuum Kaluza-Klein spectrum

Monday, June 3, 2019 4:00 PM (20 minutes)

Presenter: MEGIAS, Eugenio (University of Granada)

Session Classification: Parallel 3A

Contribution ID: 22

Type: **not specified**

Clockwork mechanism in heterotic M-theory

Monday, June 3, 2019 4:20 PM (20 minutes)

Presenter: OLECHOWSKI, Marek (University of Warsaw)

Session Classification: Parallel 3A

Contribution ID: 23

Type: **not specified**

Fast-rolling relaxion

Monday, June 3, 2019 5:15 PM (15 minutes)

Presenter: SHOJI, Yutaro (University of Tokyo)

Session Classification: Parallel 1B

Contribution ID: 24

Type: **not specified**

Axion superradiance in rotating neutron stars

Monday, June 3, 2019 5:30 PM (15 minutes)

Presenter: MCDONALD, Jamie (TU Munich)

Session Classification: Parallel 1B

Contribution ID: 25

Type: **not specified**

The Minimal Flavour Violating Axion and its effect on ΔN_{eff}

Monday, June 3, 2019 5:45 PM (15 minutes)

Presenter: ARIAS ARAGÓN, Fernando (IFT-UAM)

Session Classification: Parallel 1B

Contribution ID: 26

Type: **not specified**

Resummed photon spectrum from dark matter annihilation for narrow and intermediate energy resolution

Monday, June 3, 2019 6:00 PM (15 minutes)

Presenter: URBAN, Kai (Technical University of Munich)

Session Classification: Parallel 1B

Contribution ID: 27

Type: **not specified**

Implication of supercooling on DM in composite Higgs

Monday, June 3, 2019 6:15 PM (15 minutes)

Presenter: GOUTTENOIRE, Yann (DESY)

Session Classification: Parallel 1B

Contribution ID: 28

Type: **not specified**

Testing dark matter interactions with nuclear excitations

Monday, June 3, 2019 6:30 PM (15 minutes)

Presenter: VOGL, Stefan (Max Planck Institute for Nuclear Physics)

Session Classification: Parallel 1B

Contribution ID: 29

Type: **not specified**

Dark, Cold and Noisy: Constraining Secluded Hidden Sectors with Gravitational Waves

Monday, June 3, 2019 6:45 PM (15 minutes)

Presenter: MADGE, Eric (Johannes Gutenberg University Mainz)

Session Classification: Parallel 1B

Contribution ID: 30

Type: **not specified**

Warm Little Inflation becomes Cold Dark Matter

Monday, June 3, 2019 7:00 PM (15 minutes)

Presenter: VENTURA, Luís (University of Aveiro)

Session Classification: Parallel 1B

Contribution ID: 31

Type: **not specified**

Probing the Zh channel via boosted Higgs-strahlung at the LHC

Monday, June 3, 2019 5:15 PM (15 minutes)

Presenter: REINESS, Joey (IPPP Durham)

Session Classification: Parallel 2B

Contribution ID: 32

Type: **not specified**

Global EFT fits for the LHC and the HE-LHC

Monday, June 3, 2019 5:30 PM (15 minutes)

Presenter: BIEKOETTER, Anke (Uni Heidelberg)

Session Classification: Parallel 2B

Contribution ID: 33

Type: **not specified**

The Higgs width in the SMEFT

Monday, June 3, 2019 5:45 PM (15 minutes)

Presenter: BRIVIO, Ilaria (Universidad Autonoma de Madrid (ES))

Session Classification: Parallel 2B

Contribution ID: 34

Type: **not specified**

The Rise of On-Shell SMEFT Massive Amplitudes

Monday, June 3, 2019 6:00 PM (15 minutes)

Presenter: AOUDE, Rafael (CBPF - Centro Brasileiro de Pesquisas Fisicas (BR))

Session Classification: Parallel 2B

Contribution ID: 35

Type: **not specified**

Effective Field Theory after a New-Physics Discovery

Monday, June 3, 2019 6:15 PM (15 minutes)

Presenter: KÖNIG, Matthias (University of Zurich)

Session Classification: Parallel 2B

Contribution ID: 36

Type: **not specified**

SCET BSM for leptiquarks

Monday, June 3, 2019 6:30 PM (15 minutes)

Presenter: MECAJ, Bianka (JGU Mainz)

Session Classification: Parallel 2B

Contribution ID: 37

Type: **not specified**

Same-sign WW Scattering in the HEFT: Discoverability vs. EFT Validity

Monday, June 3, 2019 6:45 PM (15 minutes)

Presenter: KOZÓW, Pawel (University of Warsaw)

Session Classification: Parallel 2B

Contribution ID: 38

Type: **not specified**

Self-consistent gradient corrections to false vacuum decay for a U(1) gauge theory

Monday, June 3, 2019 7:00 PM (15 minutes)

Presenter: CRUZ, Juan Sebastian (TU München)

Session Classification: Parallel 2B

Contribution ID: 39

Type: **not specified**

Breaking Down a 6D GH-GUT

Monday, June 3, 2019 5:15 PM (15 minutes)

Presenter: SMARANDA, Dumitru Dan (University of Glasgow)

Session Classification: Parallel 3B

Contribution ID: 40

Type: **not specified**

The effective potential method in 5D warped models

Monday, June 3, 2019 5:30 PM (15 minutes)

Presenter: LIZANA, Javier M. (University of Warsaw)

Session Classification: Parallel 3B

Contribution ID: 41

Type: **not specified**

Session Classification: Parallel 3B

Contribution ID: 42

Type: **not specified**

Fine-tuning in models with extended Higgs sectors

Monday, June 3, 2019 6:00 PM (15 minutes)

Presenter: PEETERS, Ruud (University of Groningen)

Session Classification: Parallel 3B

Contribution ID: 43

Type: **not specified**

Asymptotically Safe Extensions of the MSSM

Monday, June 3, 2019 6:15 PM (15 minutes)

Presenter: MOCH, Kevin (TU Dortmund)

Session Classification: Parallel 3B

Contribution ID: 44

Type: **not specified**

The misalignment mechanism: a non-minimal perspective

Monday, June 3, 2019 6:30 PM (15 minutes)

Presenter: ALONSO ALVAREZ, Gonzalo (Heidelberg University)

Session Classification: Parallel 3B

Contribution ID: 45

Type: **not specified**

Effective ultralight multi-axion string models and constraints via black hole superradiance

Monday, June 3, 2019 6:45 PM (15 minutes)

Presenter: STOTT, Matthew (King's College London)

Session Classification: Parallel 3B

Contribution ID: 46

Type: **not specified**

Gravitational collapse, string condensation and soft data

Monday, June 3, 2019 7:00 PM (15 minutes)

Presenter: HEWITT, Michael (Canterbury Christ Church University)

Session Classification: Parallel 3B

Contribution ID: 47

Type: **not specified**

B anomalies at LHCb

Tuesday, June 4, 2019 9:00 AM (30 minutes)

Presenter: GRAUGES, Eugeni (University of Barcelona (ES))

Session Classification: Plenary

Contribution ID: 48

Type: **not specified**

Explaining the Flavour Anomalies

Tuesday, June 4, 2019 10:00 AM (30 minutes)

Presenter: CRIVELLIN, Andreas (Paul Scherrer Institut (CH))

Session Classification: Plenary

Contribution ID: 49

Type: **not specified**

From B anomalies to flavoured searches at the LHC

Tuesday, June 4, 2019 9:30 AM (30 minutes)

Presenter: MARTIN CAMALICH, Jorge (Inst. Astrophys. of Canary Islands (ES))

Session Classification: Plenary

Contribution ID: 50

Type: **not specified**

On axions and ALPs

Tuesday, June 4, 2019 10:30 AM (30 minutes)

Presenter: GAVELA, Belen (Universidad Autonoma de Madrid (ES))

Session Classification: Plenary

Contribution ID: 51

Type: **not specified**

The Supercooled Universe

Tuesday, June 4, 2019 11:30 AM (30 minutes)

Presenter: POMAROL, Alex (Universidad de Barcelona)

Session Classification: Plenary

Contribution ID: 52

Type: **not specified**

UV complete chiral Froggatt-Nielsen models

Tuesday, June 4, 2019 12:30 PM (30 minutes)

Presenter: DUDAS, Emilian (Ecole Polytechnique (FR))

Session Classification: Plenary

Contribution ID: 53

Type: **not specified**

Mapping the scalar sector with colliders and gravitational waves

Tuesday, June 4, 2019 12:00 PM (30 minutes)

Presenter: SPANNOWSKY, Michael (University of Durham (GB))

Session Classification: Plenary

Contribution ID: 54

Type: **not specified**

Searches for BSM Physics in ATLAS and CMS

Wednesday, June 5, 2019 9:00 AM (30 minutes)

Presenter: MARTINEZ-PEREZ, Mario (The Barcelona Institute of Science and Technology (BIST) (ES))

Session Classification: Plenary

Contribution ID: 55

Type: **not specified**

Constraints on new physics from Higgs physics, EWPO, vacuum stability and inflation

Wednesday, June 5, 2019 9:30 AM (30 minutes)

Presenter: WEIGLEIN, Georg (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Plenary

Contribution ID: 56

Type: **not specified**

Relating the neutrino scale to the Planck scale

Wednesday, June 5, 2019 10:00 AM (30 minutes)

Presenter: IBARRA, Alejandro (TU Munich)

Session Classification: Plenary

Contribution ID: 57

Type: **not specified**

Phenomenology of warped dimensions

Wednesday, June 5, 2019 10:30 AM (30 minutes)

Presenter: QUIROS, Mariano (IFAE)

Session Classification: Plenary

Contribution ID: 58

Type: **not specified**

Scale Hierarchies and supersymmetric cosmology

Wednesday, June 5, 2019 11:30 AM (30 minutes)

Presenter: ANTONIADIS, Ignatios (UPMC)

Session Classification: Plenary

Contribution ID: 59

Type: **not specified**

Transplanckian axion monodromy and the swampland

Wednesday, June 5, 2019 12:00 PM (30 minutes)

Presenter: URANGA, Angel (IFT, Madrid)

Session Classification: Plenary

Contribution ID: **60**

Type: **not specified**

Primordial black holes: formation and astrophysical consequences

Wednesday, June 5, 2019 12:30 PM (30 minutes)

Presenter: KUSENKO, Alexander (UCLA)

Session Classification: Plenary

Contribution ID: **61**

Type: **not specified**

Flavor physics at Belle II

Thursday, June 6, 2019 9:00 AM (30 minutes)

Presenter: GOLDENZWEIG, Pablo (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Plenary

Contribution ID: 62

Type: **not specified**

Inflation and the Higgs

Thursday, June 6, 2019 9:30 AM (30 minutes)

Presenter: RIOTTO, Antonio (Universite de Geneve (CH))

Session Classification: Plenary

Contribution ID: 63

Type: **not specified**

Interacting Dark Matter and the Sommerfeld enhancement at finite temperature

Thursday, June 6, 2019 10:00 AM (30 minutes)

Presenter: COVI, Laura (Georg August Universitaet Goettingen (DE))

Session Classification: Plenary

Contribution ID: 64

Type: **not specified**

New IR physics and 21 cm connection

Thursday, June 6, 2019 10:30 AM (30 minutes)

Presenter: POSPELOV, Maxim (Perimeter Institute)

Session Classification: Plenary

Contribution ID: 65

Type: **not specified**

What will the future colliders know about the Higgs?

Thursday, June 6, 2019 11:30 AM (30 minutes)

Presenter: GROJEAN, Christophe (DESY (Hamburg) and Humboldt University (Berlin))

Session Classification: Plenary

Contribution ID: 66

Type: **not specified**

Neutrino Masses and Modular Invariance

Thursday, June 6, 2019 12:00 PM (30 minutes)

Presenter: FERUGLIO, Ferruccio (University of Padova)

Session Classification: Plenary

Contribution ID: 67

Type: **not specified**

Detecting Magnetic Dark Matter

Thursday, June 6, 2019 12:30 PM (30 minutes)

Presenter: TERNING, John (UC Davis)

Session Classification: Plenary

Contribution ID: **68**

Type: **not specified**

New Physics Opportunities in Higgs Searches

Friday, June 7, 2019 9:30 AM (30 minutes)

Presenter: CARENA, Marcela (Fermi National Accelerator Lab. (US))

Session Classification: Plenary

Contribution ID: 69

Type: **not specified**

Pseudo-Goldstone dark matter

Friday, June 7, 2019 10:00 AM (30 minutes)

Presenter: LEBEDEV, Oleg (University of Helsinki)

Session Classification: Plenary

Contribution ID: 70

Type: **not specified**

Partially Composite Supersymmetry

Friday, June 7, 2019 12:00 PM (30 minutes)

Presenter: GHERGHETTA, Tony (University of Minnesota (US))

Session Classification: Plenary

Contribution ID: 71

Type: **not specified**

Moduli, the Swampland and Holography

Friday, June 7, 2019 11:30 AM (30 minutes)

Presenter: CONLON, Joseph (Oxford University)

Session Classification: Plenary

Contribution ID: 72

Type: **not specified**

Reflections on Low Energy Supersymmetry

Friday, June 7, 2019 10:30 AM (30 minutes)

Presenter: WAGNER, Carlos (University of Chicago)

Session Classification: Plenary

Contribution ID: 73

Type: **not specified**

Flavour Anomalies

Friday, June 7, 2019 12:30 PM (30 minutes)

Presenter: PICH, Antonio (IFIC, U. Valencia -.)

Session Classification: Plenary

Contribution ID: 74

Type: **not specified**

Primordial black holes from thermal inflation

Tuesday, June 4, 2019 3:00 PM (20 minutes)

Presenter: VASKONEN, Ville (King's College London)

Session Classification: Parallel 1A

Contribution ID: 75

Type: **not specified**

Baryogenesis from axion inflation

Tuesday, June 4, 2019 3:20 PM (20 minutes)

Presenter: VON HARLING, Benedict (IFAE)

Session Classification: Parallel 1A

Contribution ID: 76

Type: **not specified**

Primordial black holes from axions

Tuesday, June 4, 2019 3:40 PM (20 minutes)

Presenter: FERRER, Francesc (Washington University in St Louis)

Session Classification: Parallel 1A

Contribution ID: 77

Type: **not specified**

Single Field Inflation and Primordial Black Holes

Tuesday, June 4, 2019 4:00 PM (20 minutes)

Presenter: VEERMÄE, Hardi (National Institute of Chemical Physics and Biophysics (EE))

Session Classification: Parallel 1A

Contribution ID: 78

Type: **not specified**

Out-of-the-box Baryogenesis During Relaxation

Tuesday, June 4, 2019 4:20 PM (20 minutes)

Presenter: SCHOLTZ, Jakub (Durham University, IPPP)

Session Classification: Parallel 1A

Contribution ID: 79

Type: **not specified**

Planck suppressed operators and the fate of the Higgs vacuum during inflation

Tuesday, June 4, 2019 5:15 PM (15 minutes)

Presenter: FUMAGALLI, Jacopo (Insitute d'Astrophysique de Paris)

Session Classification: Parallel 1B

Contribution ID: 80

Type: **not specified**

More stringent constraints on the unitarised fermionic dark matter Higgs Portal

Tuesday, June 4, 2019 5:30 PM (15 minutes)

Presenter: BALAJI, Shyam (University of Sydney (AU))

Session Classification: Parallel 1B

Contribution ID: **81**

Type: **not specified**

Experimental probes of pseudo-Goldstone dark matter

Tuesday, June 4, 2019 5:45 PM (15 minutes)

Presenter: KOIVUNEN, Niko (University of Helsinki)

Session Classification: Parallel 1B

Contribution ID: **82**

Type: **not specified**

Big Bounce Baryogenesis

Tuesday, June 4, 2019 6:00 PM (15 minutes)

Presenter: BARRIE, Neil (Kavil IPMU)

Session Classification: Parallel 1B

Contribution ID: 83

Type: **not specified**

Relaxion Dark Matter and its detection

Tuesday, June 4, 2019 6:15 PM (15 minutes)

Presenter: BANERJEE, Abhishek (Weizmann Institute of Science)

Session Classification: Parallel 1B

Contribution ID: 84

Type: **not specified**

Helical Dark Matter Fields and the End of Inflation

Tuesday, June 4, 2019 6:30 PM (15 minutes)

Presenter: VEGA-MORALES, Roberto (University of Granada)

Session Classification: Parallel 1B

Contribution ID: 85

Type: **not specified**

Light dark matter in a gauged $U(1)_{L_\mu-L_\tau}$

Tuesday, June 4, 2019 6:45 PM (15 minutes)

Presenter: FOLDENAUER, Patrick (Heidelberg University)

Session Classification: Parallel 1B

Contribution ID: **86**

Type: **not specified**

Composite dark matter with low fine-tuning

Tuesday, June 4, 2019 7:00 PM (15 minutes)

Presenter: MORANDINI, Alessandro (SISSA)

Session Classification: Parallel 1B

Contribution ID: 87

Type: **not specified**

Muon $g-2$ and B anomalies explained by a "vector-like chiral" 4th family

Tuesday, June 4, 2019 3:00 PM (20 minutes)

Presenter: TRAUTNER, Andreas (MPIK Heidelberg)

Session Classification: Parallel 2A

Contribution ID: **88**

Type: **not specified**

Constraints on charmphilic leptoquarks for the muon $g-2$ and flavor anomalies

Tuesday, June 4, 2019 3:20 PM (20 minutes)

Presenter: SESSOLO, Enrico Maria (NCBJ, Warsaw)

Session Classification: Parallel 2A

Contribution ID: 89

Type: **not specified**

Implications for New Physics in $b \rightarrow s$ transitions after measurements by Belle and LHCb

Tuesday, June 4, 2019 3:40 PM (20 minutes)

Presenter: KOWALSKA, Kamila (NCBJ, Warsaw)

Session Classification: Parallel 2A

Contribution ID: 90

Type: **not specified**

Phenomenology of TeV-scale scalar leptoquarks in the EFT

Tuesday, June 4, 2019 4:00 PM (20 minutes)

Presenter: BAR-SHALOM, Shaouly (Technion, Israel)

Session Classification: Parallel 2A

Contribution ID: 91

Type: **not specified**

High-pT signatures of vector leptoquark models

Tuesday, June 4, 2019 4:20 PM (20 minutes)

Presenter: FUENTES-MARTIN, Javier (University of Zurich)

Session Classification: Parallel 2A

Contribution ID: 92

Type: **not specified**

Revisiting the vector leptoquark explanation to B-physics anomalies

Tuesday, June 4, 2019 5:15 PM (15 minutes)

Presenter: CORNELLA, Claudia (Universität Zürich (UZH))

Session Classification: Parallel 2B

Contribution ID: 93

Type: **not specified**

Axion predictions from B-Physics Anomalies

Tuesday, June 4, 2019 5:30 PM (15 minutes)

Presenter: REIG, Mario (IFC, U. Valencia - CSIC)

Session Classification: Parallel 2B

Contribution ID: 94

Type: **not specified**

τ -decay discrepancies after Moriond 2019

Tuesday, June 4, 2019 5:45 PM (15 minutes)

Presenter: AEBISCHER, Jason (TUM)

Session Classification: Parallel 2B

Contribution ID: 95

Type: **not specified**

A kink-like origin to flavor hierarchies

Tuesday, June 4, 2019 6:00 PM (15 minutes)

Presenter: CASTELLANO, Javier (JGU Mainz)

Session Classification: Parallel 2B

Contribution ID: 96

Type: **not specified**

Addressing Dark Matter and B-physics anomalies in the context of R-parity violating SUSY

Tuesday, June 4, 2019 6:15 PM (15 minutes)

Presenter: TRIFINOPOULOS, Sokratis (Universität Zürich)

Session Classification: Parallel 2B

Contribution ID: 97

Type: **not specified**

Non-Minimal Flavour Violation in A4xSU(5) SUSY GUTs

Tuesday, June 4, 2019 6:30 PM (15 minutes)

Presenter: ROWLEY, Sam (University of Southampton)

Session Classification: Parallel 2B

Contribution ID: 98

Type: **not specified**

Baryogenesis and Dark Matter from B Mesons

Tuesday, June 4, 2019 6:45 PM (15 minutes)

Presenter: ESCUDERO, Miguel (King's College London)

Session Classification: Parallel 2B

Contribution ID: 99

Type: **not specified**

$b \rightarrow s\mu^+\mu^-$ anomalies and dark matter in
 $U(1)_{B_3-x_\mu L_\mu-x_\tau L_\tau}$ flavor gauge models

Tuesday, June 4, 2019 7:00 PM (15 minutes)

Presenter: YU, Chaehyun (Korea University)

Session Classification: Parallel 2B

Contribution ID: **100**

Type: **not specified**

Fundamental Composite Higgs model in SU(6)/SO(6)

Tuesday, June 4, 2019 3:00 PM (20 minutes)

Presenter: CAI, Haiying (APCTP)

Session Classification: Parallel 3A

Contribution ID: **101**

Type: **not specified**

Uncovering latent jet substructure with unsupervised machine learning

Tuesday, June 4, 2019 3:20 PM (20 minutes)

Presenter: DILLON, Barry (Jozef Stefan Institute)

Session Classification: Parallel 3A

Contribution ID: **102**

Type: **not specified**

Extended Gauge Mediation in the NMSSM with Displaced LHC Signals

Tuesday, June 4, 2019 3:40 PM (20 minutes)

Presenter: BADZIAK, Marcin (University of Warsaw)

Session Classification: Parallel 3A

Contribution ID: **103**

Type: **not specified**

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Tuesday, June 4, 2019 7:00 PM (15 minutes)

Session Classification: Parallel 3B

Contribution ID: **104**

Type: **not specified**

Pseudo-Goldstone sterile neutrino at the LHC

Tuesday, June 4, 2019 4:00 PM (20 minutes)

Presenter: LAVIGNAC, Stephane (IPhT Saclay)

Session Classification: Parallel 3A

Contribution ID: **105**

Type: **not specified**

Sheding light on the Scotogenic model

Tuesday, June 4, 2019 5:15 PM (15 minutes)

Presenter: BAUMHOLZER, Sven (JGU Mainz)

Session Classification: Parallel 3B

Contribution ID: **106**

Type: **not specified**

Long live the Higgs portal!

Tuesday, June 4, 2019 5:30 PM (15 minutes)

Presenter: FILIMONOVA, Anastasiia (Heidelberg University)

Session Classification: Parallel 3B

Contribution ID: **107**

Type: **not specified**

General extensions of the Standard Model with new quarks

Tuesday, June 4, 2019 5:45 PM (15 minutes)

Presenter: CRIADO ÁLAMO, Juan Carlos (University of Granada)

Session Classification: Parallel 3B

Contribution ID: **108**

Type: **not specified**

Vector-Like Quarks within the Minimal Linear Sigma Model

Tuesday, June 4, 2019 6:00 PM (15 minutes)

Presenter: ALONSO GONZALEZ, Javier (UAM - CSIC)

Session Classification: Parallel 3B

Contribution ID: **109**

Type: **not specified**

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Tuesday, June 4, 2019 6:30 PM (15 minutes)

Session Classification: Parallel 3B

Contribution ID: **110**

Type: **not specified**

Neutral Naturalness at the LHC

Tuesday, June 4, 2019 4:20 PM (20 minutes)

Presenter: AHMED, Aqeel (Vrije Universitet Brussel)

Session Classification: Parallel 3A

Contribution ID: 111

Type: **not specified**

What can (not) multilepton searches tell us about SUSY?

Tuesday, June 4, 2019 6:15 PM (15 minutes)

Presenter: MARTÍN LOZANO, Víctor (BCTP - Universität Bonn)

Session Classification: Parallel 3B

Contribution ID: **112**

Type: **not specified**

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Tuesday, June 4, 2019 6:45 PM (15 minutes)

Session Classification: Parallel 3B

Contribution ID: 113

Type: **not specified**

A Dark-Matter Interpretation of the ANITA Anomalous Events

Thursday, June 6, 2019 3:00 PM (20 minutes)

Presenter: HEURTIER, Lucien (University of Arizona, Tucson, AZ, USA)

Session Classification: Parallel 1A

Contribution ID: 114

Type: **not specified**

Resolving phenomenological problems with strongly-interacting-massive-particle models with dark vector resonances

Thursday, June 6, 2019 3:20 PM (20 minutes)

Presenter: KO, Pyungwon (Korea Inst. for Advanced Study (KIAS))

Session Classification: Parallel 1A

Contribution ID: 115

Type: **not specified**

New Observables for Pseudo-Millicharged Dark Matter

Thursday, June 6, 2019 3:40 PM (20 minutes)

Presenter: ELLIS, Sebastian (SLAC)

Session Classification: Parallel 1A

Contribution ID: 116

Type: **not specified**

Dark matter stability and Dirac neutrinos using only Standard Model symmetries

Thursday, June 6, 2019 4:00 PM (20 minutes)

Presenter: SRIVASTAVA, Rahul (Instituto de Fisica Corpuscular (IFIC), Valencia - SPAIN)

Session Classification: Parallel 1A

Contribution ID: 117

Type: **not specified**

Axions are blind to anomalies

Thursday, June 6, 2019 4:20 PM (20 minutes)

Presenter: QUEVILLON, Jeremie (LPSC, Grenoble (CNRS))

Session Classification: Parallel 1A

Contribution ID: **118**

Type: **not specified**

Session Classification: Parallel 2B

Contribution ID: **119**

Type: **not specified**

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Session Classification: Parallel 2B

Contribution ID: **120**

Type: **not specified**

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Session Classification: Parallel 2B

Contribution ID: **121**

Type: **not specified**

•

Session Classification: Parallel 2B

Contribution ID: 122

Type: **not specified**

Seesaw searches at a lepton collider

Thursday, June 6, 2019 4:20 PM (20 minutes)

Presenter: MITRA, Manimala (Insitute of Physics, Bhubaneswar)

Session Classification: Parallel 2A

Contribution ID: 123

Type: **not specified**

Session Classification: Parallel 3A

Contribution ID: 124

Type: **not specified**

Session Classification: Parallel 3A

Contribution ID: 125

Type: **not specified**

Session Classification: Parallel 3A

Contribution ID: 126

Type: **not specified**

Session Classification: Parallel 3A

Contribution ID: 127

Type: **not specified**

A Limit on Axion from the Cooling Neutron Star in Cassiopeia A

Thursday, June 6, 2019 4:20 PM (20 minutes)

Presenter: HAMAGUCHI, Koichi (University of Tokyo)

Session Classification: Parallel 3A

Contribution ID: 128

Type: **not specified**

Higgs Parity, Strong CP, and Dark Matter

Thursday, June 6, 2019 5:15 PM (15 minutes)

Presenter: DUNSKY, David (UC Berkeley)

Session Classification: Parallel 1B

Contribution ID: 129

Type: **not specified**

Singlet-doublet fermion and triplet scalar dark matter with radiative neutrino masses

Thursday, June 6, 2019 5:30 PM (15 minutes)

Presenter: FIASCHI, Juri (Westfälische Wilhelms-Universität Münster)

Session Classification: Parallel 1B

Contribution ID: 130

Type: **not specified**

Dark Matter from a Chiral Sector

Thursday, June 6, 2019 5:45 PM (15 minutes)

Presenter: PODO, Alessandro (Scuola Normale Superiore, Pisa & INFN)

Session Classification: Parallel 1B

Contribution ID: 131

Type: **not specified**

Bound states in Dark Matter phenomenology

Thursday, June 6, 2019 6:00 PM (15 minutes)

Presenter: MITRIDATE, Andrea (Scuola Normale Superiore, Pisa)

Session Classification: Parallel 1B

Contribution ID: 132

Type: **not specified**

Scalar multiplet dark matter in the conformally invariant extension of the standard model

Thursday, June 6, 2019 6:15 PM (15 minutes)

Presenter: JUNG, Dong-Won (Korea University)

Session Classification: Parallel 1B

Contribution ID: 133

Type: **not specified**

Affleck-Dine Dark Matter

Thursday, June 6, 2019 6:30 PM (15 minutes)

Presenter: SCHENK, Sebastian (Heidelberg University)

Session Classification: Parallel 1B

Contribution ID: 134

Type: **not specified**

Exploring the neutrino-dark matter connection

Thursday, June 6, 2019 6:45 PM (15 minutes)

Presenter: MURGUI, Clara (IFIC, Valencia)

Session Classification: Parallel 1B

Contribution ID: 135

Type: **not specified**

Session Classification: Parallel 1B

Contribution ID: 136

Type: **not specified**

Session Classification: Parallel 2A

Contribution ID: 137

Type: **not specified**

Rescuing Single Field Inflation from the Swampland

Thursday, June 6, 2019 3:20 PM (20 minutes)

Presenter: ASHOORIOON, Amjad (Institute for Research in Fundamental Sciences (IPM))

Session Classification: Parallel 2A

Contribution ID: 138

Type: **not specified**

False vacuum decay in real time

Thursday, June 6, 2019 3:40 PM (20 minutes)

Presenter: TAMARIT, Carlos (Technische Universität München)

Session Classification: Parallel 2A

Contribution ID: 139

Type: **not specified**

Dynamical relaxation of the little hierarchy problem and dark matter

Thursday, June 6, 2019 4:00 PM (20 minutes)

Presenter: KYAE, Bumseok (Pusan National University)

Session Classification: Parallel 2A

Contribution ID: 140

Type: **not specified**

Conformal invariance versus Weyl invariance

Thursday, June 6, 2019 6:15 PM (15 minutes)

Presenter: SANTOS, Raquel (UAM & IFT, UAM - CSIC)

Session Classification: Parallel 2B

Contribution ID: 141

Type: **not specified**

Frame (in)equivalence in QFT and Cosmology

Thursday, June 6, 2019 6:30 PM (15 minutes)

Presenter: HERRERO VALEA, Mario (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Parallel 2B

Contribution ID: 142

Type: **not specified**

Gravity, Scale Invariance and Hierarchy of Scales

Thursday, June 6, 2019 6:45 PM (15 minutes)

Presenter: SHKERIN, Andrey (EPFL)

Session Classification: Parallel 2B

Contribution ID: 143

Type: **not specified**

A Strong Scalar Weak Gravity Conjecture and Some Implications

Thursday, June 6, 2019 5:30 PM (15 minutes)

Presenter: GONZALO, Eduardo (IFT, UAM - CSIC)

Session Classification: Parallel 2B

Contribution ID: 144

Type: **not specified**

Session Classification: Parallel 3B

Contribution ID: 145

Type: **not specified**

Session Classification: Parallel 3B

Contribution ID: 146

Type: **not specified**

Session Classification: Parallel 3B

Contribution ID: 147

Type: **not specified**

Session Classification: Parallel 3B

Contribution ID: 148

Type: **not specified**

Mirror Dirac leptogenesis

Thursday, June 6, 2019 6:15 PM (15 minutes)

Presenter: TONERO, Alberto (Carleton University, Ottawa)

Session Classification: Parallel 3B

Contribution ID: 149

Type: **not specified**

Neutrino oscillation creates holes in flavour space: An application to leptogenesis

Thursday, June 6, 2019 6:30 PM (15 minutes)

Presenter: SAMANTA, Rome (University of Southampton)

Session Classification: Parallel 3B

Contribution ID: 150

Type: **not specified**

Relativistic and Spectator Effects in Leptogenesis with heavy sterile Neutrinos

Thursday, June 6, 2019 6:45 PM (15 minutes)

Presenter: KLOSE, Philipp (CP3, U. Catholique de Louvain)

Session Classification: Parallel 3B

Contribution ID: 151

Type: **not specified**

The Minimal Simple Composite Higgs Model

Monday, June 3, 2019 5:45 PM (15 minutes)

Presenter: ROSSIA, Alejo (Deutsches Elektronen-Synchrotron DESY)

Session Classification: Parallel 3B

Contribution ID: 152

Type: **not specified**

Session Classification: Parallel 3A

Contribution ID: 153

Type: **not specified**

Light Dark Matter from Cosmic Rays

Thursday, June 6, 2019 3:00 PM (20 minutes)

Presenter: CAMPOS, Miguel D. (King's College London)

Session Classification: Parallel 2A

Contribution ID: 154

Type: **not specified**

Phenomenology of fermion production during axion inflation

Thursday, June 6, 2019 3:00 PM (20 minutes)

Presenter: SORBO, Lorenzo (University of Massachusetts, Amherst)

Session Classification: Parallel 3A

Contribution ID: 155

Type: **not specified**

Constraints on BSM Physics from Quantum Exclusion of de Sitter

Thursday, June 6, 2019 5:15 PM (15 minutes)

Presenter: ZELL, Sebastian (LMU & MPI Munich)

Session Classification: Parallel 2B

Contribution ID: 156

Type: **not specified**

Leptogenesis in superconformal subcritical hybrid inflation

Thursday, June 6, 2019 5:15 PM (15 minutes)

Presenter: ISHIWATA, Koji (Kanazawa University)

Session Classification: Parallel 3B

Contribution ID: 157

Type: **not specified**

Warm inflation with strong dissipation

Thursday, June 6, 2019 3:20 PM (20 minutes)

Presenter: ROSA, Joao (University of Aveiro)

Session Classification: Parallel 3A

Contribution ID: 158

Type: **not specified**

Geometrical instability during inflation

Thursday, June 6, 2019 3:40 PM (20 minutes)

Presenter: GIL DE PEDRO, Francisco (Università di Bologna & INFN)

Session Classification: Parallel 3A

Contribution ID: 159

Type: **not specified**

Inflation, Electroweak Vacuum Stability and Direct Searches at LHC

Thursday, June 6, 2019 4:00 PM (20 minutes)

Presenter: KARCIAUSKAS, Mindaugas (Universidad Complutense, Madrid)

Session Classification: Parallel 3A

Contribution ID: **160**

Type: **not specified**

The Swampland Distance Conjecture and Towers of Tensionless Branes

Thursday, June 6, 2019 5:45 PM (15 minutes)

Presenter: HERRAEZ, Alvaro (Universidad Autónoma de Madrid/ Instituto de Física Teórica UAM)

Session Classification: Parallel 2B

Contribution ID: 161

Type: **not specified**

What does Inflation say about Dark Energy given the Swampland Conjectures?

Thursday, June 6, 2019 6:00 PM (15 minutes)

Presenter: LEEDOM, Jacob (UC Berkeley)

Session Classification: Parallel 2B

Contribution ID: 162

Type: **not specified**

Single-Field Inflation in Models with an R^2 Term

Thursday, June 6, 2019 5:45 PM (15 minutes)

Presenter: KARAM, Alexandros (NICPB, Tallin)

Session Classification: Parallel 3B

Contribution ID: **163**

Type: **not specified**

Higgs domain walls in the post-inflationary Universe

Thursday, June 6, 2019 6:00 PM (15 minutes)

Presenter: KRAJEWSKI, Tomasz (University of Warsaw)

Session Classification: Parallel 3B

Contribution ID: **164**

Type: **not specified**

Production and thermalisation of secluded sectors

Thursday, June 6, 2019 5:30 PM (15 minutes)

Presenter: TILLIM, Hannah (University of Oxford)

Session Classification: Parallel 3B