

**Brookhaven Forum 2021:
Opening New Windows to the
Universe (BF2021)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

LHC Measurement Highlights

Wednesday, 3 November 2021 09:00 (40 minutes)

Presenter: THEOFILATOS, Konstantinos (National & Kapodistrian University of Athens)

Session Classification: Plenary Session 1

Contribution ID: 2

Type: **not specified**

Search Highlights

Wednesday, 3 November 2021 09:40 (40 minutes)

Presenter: HEINRICH, Jochen Jens (University of Oregon)

Session Classification: Plenary Session 1

Contribution ID: 4

Type: **not specified**

On Gravitational Anomalies and Superfluid Dark Matter

Wednesday, 3 November 2021 10:40 (40 minutes)

Presenter: ALEXANDER, Stephon (Brown University)

Session Classification: Plenary Session II

Contribution ID: 5

Type: **not specified**

Pushing the boundaries of particle accelerators, detectors and quantum information science with superconducting radio frequency technology

Wednesday, 3 November 2021 11:20 (40 minutes)

Presenter: GRASSELLINO, Anna (Fermilab)

Session Classification: Plenary Session II

Contribution ID: 6

Type: **not specified**

Measurement of muon $g-2$ & EDM

Thursday, 4 November 2021 09:00 (40 minutes)

Presenter: MIBE, Tsutomu (KEK)

Session Classification: Plenary Session 1

Contribution ID: 7

Type: **not specified**

Recent Results on Flavour Physics

Thursday, 4 November 2021 09:40 (40 minutes)

Presenter: CIEZAREK, Gregory Max (CERN)

Session Classification: Plenary Session 1

Contribution ID: 8

Type: **not specified**

Learning about new physics with neutrinos

Thursday, 4 November 2021 10:40 (40 minutes)

Presenter: MOCIOIU, Irina (Pennsylvania State University)

Session Classification: Plenary Session II

Contribution ID: 9

Type: **not specified**

Looking for new physics with neutrinos: MicroBooNE first results and beyond

Thursday, 4 November 2021 11:20 (40 minutes)

Presenter: FLEMING, Bonnie (Yale)

Session Classification: Plenary Session II

Contribution ID: **10**

Type: **not specified**

Theory Precision for LHC Phenomenology

Thursday, 4 November 2021 12:00 (40 minutes)

Presenter: MISTLBERGER, Bernhard (ETH Zurich)

Session Classification: Plenary Session II

Contribution ID: 11

Type: **not specified**

BNL Public Lecture: Exoplanets and the Search for Habitable Worlds

Thursday, 4 November 2021 16:00 (1 hour)

Hosted by Hong Ma
Public Q&A to Follow

Presenter: SEAGER, Sara (MIT)

Contribution ID: 13

Type: **not specified**

Cosmology Results from the Dark Energy Survey Year 3 Data

Friday, 5 November 2021 09:00 (40 minutes)

Presenter: MACCRANN, Niall (Cambridge)

Session Classification: Plenary Session 1

Contribution ID: 14

Type: **not specified**

The Hubble Tension

Friday, 5 November 2021 09:40 (40 minutes)

Presenter: SUYU, Sherry (MPA/TUM Garching)

Session Classification: Plenary Session 1

Contribution ID: 16

Type: **not specified**

Self-Organized Localization

Friday, 5 November 2021 10:40 (40 minutes)

Presenter: MCCULLOUGH, Matthew (CERN)

Session Classification: Plenary Session II

Contribution ID: 17

Type: **not specified**

Direct Detection of Sub-GeV Dark Matter

Friday, 5 November 2021 11:20 (40 minutes)

Presenter: LIN, Tongyan (UC San Diego)

Session Classification: Plenary Session II

Contribution ID: **18**

Type: **not specified**

Closing Remarks

Friday, 5 November 2021 12:00 (10 minutes)

Presenters: DAVOUDIASL, Hooman; DENTON, Peter

Contribution ID: **19**

Type: **not specified**

Forward Physics Facility at LHC

Wednesday, 3 November 2021 13:10 (30 minutes)

Presenter: KLING, Felix (DESY)

Session Classification: Parallel Session I

Contribution ID: 20

Type: **not specified**

New Frontiers in Early-Universe Cosmology

Wednesday, 3 November 2021 13:10 (30 minutes)

Presenter: IJJAS, Anna (Albert Einstein Institute)

Session Classification: Parallel Session I

Contribution ID: 21

Type: **not specified**

Stellar Probes of New Physics

Wednesday, 3 November 2021 13:10 (30 minutes)

Presenter: MCDERMOTT, Samuel (Stony Brook University)

Session Classification: Parallel Session I

Contribution ID: 22

Type: **not specified**

Direct Detection of the Cosmic Neutrino Background with PTOLEMY

Wednesday, 3 November 2021 13:10 (20 minutes)

Presenter: TULLY, Christopher (Princeton University)

Session Classification: Parallel Session I

Contribution ID: 23

Type: **not specified**

Dark Neutrons

Wednesday, 3 November 2021 13:10 (20 minutes)

Presenter: RAJ, Nirmal (TRIUMF)

Session Classification: Parallel Session I

Contribution ID: 24

Type: **not specified**

Exotic Searches at LHCb

Wednesday, 3 November 2021 13:10 (20 minutes)

Presenter: SANTOVETTI, Emanuele (INFN - Roma Tor Vergata)

Session Classification: Parallel Session I

Contribution ID: 25

Type: **not specified**

Indirect Detection of Long-lived Particles Via a Less Simplified Dark Higgs Portal

Wednesday, 3 November 2021 13:40 (20 minutes)

Presenter: JODLOWSKI, Krzysztof (NCBJ)

Session Classification: Parallel Session I

Contribution ID: 26

Type: **not specified**

Interacting Dark Sector from Unimodular Gravity: Cosmological Perturbations with No Instability

Wednesday, 3 November 2021 13:40 (20 minutes)

Presenter: DE CESARE, Marco (University of te Basque Country UPV/EHU)

Session Classification: Parallel Session I

Contribution ID: 27

Type: **not specified**

Tidal Deformability of Massive Neutron Stars with Holographic Multiquark Cores

Wednesday, 3 November 2021 13:40 (20 minutes)

Presenter: PINKANJANAOROD, Sithichai (Chulalongkorn University)

Session Classification: Parallel Session I

Contribution ID: 28

Type: **not specified**

New Tau Neutrino Oscillation and Scattering Constraints on Unitarity Violation

Wednesday, 3 November 2021 13:30 (20 minutes)

Presenter: GEHRLEIN, Julia (BNL)

Session Classification: Parallel Session I

Contribution ID: 29

Type: **not specified**

Leptophilic New Physics

Wednesday, 3 November 2021 13:30 (20 minutes)

Presenter: KIRK, Fiona (University of Zurich, PSI)

Session Classification: Parallel Session I

Contribution ID: **30**

Type: **not specified**

Charm CP Violation

Wednesday, 3 November 2021 13:30 (20 minutes)

Presenter: SCHACHT, Stefan (Cornell University)

Session Classification: Parallel Session I

Contribution ID: 31

Type: **not specified**

Search for Long-lived Particles Decaying into Two Muons in Proton-proton Collisions at $\sqrt{s}=13\text{TeV}$ Using Data Collected with High Rate Triggers

Wednesday, 3 November 2021 14:00 (20 minutes)

Presenter: ROUTRAY, Hardik (Rutgers University)

Session Classification: Parallel Session I

Contribution ID: 32

Type: **not specified**

Fluctuations on Horizons

Wednesday, 3 November 2021 14:00 (20 minutes)

Presenter: BANKS, Thomas (Rutgers University, Santa Cruz Institute for Particle Physics)

Session Classification: Parallel Session I

Contribution ID: 33

Type: **not specified**

Direct Detection of Dark Asteroids

Wednesday, 3 November 2021 14:00 (20 minutes)

Presenter: DAS, Anirban (SLAC)

Session Classification: Parallel Session I

Contribution ID: 34

Type: **not specified**

Matter Induced CP Violation in LBL Neutrino Oscillation Experiments

Wednesday, 3 November 2021 13:50 (20 minutes)

Presenter: KUMAR, Manoj (Panjab University)

Session Classification: Parallel Session I

Contribution ID: 35

Type: **not specified**

Light Particles with Baryon and Lepton Numbers

Wednesday, 3 November 2021 13:50 (20 minutes)

Presenter: HEECK, Julian (University of Virginia)

Session Classification: Parallel Session I

Contribution ID: 36

Type: **not specified**

Hot Topics at Belle II

Wednesday, 3 November 2021 13:50 (20 minutes)

Presenter: ATMACAN, Hulya (University of Cincinnati)

Session Classification: Parallel Session I

Contribution ID: 37

Type: **not specified**

Long-lived Bino at the LHC

Wednesday, 3 November 2021 14:20 (20 minutes)

Presenter: IPEK, Seyda (Carleton University)

Session Classification: Parallel Session I

Contribution ID: 38

Type: **not specified**

f(Q,T) Gravity Models with Observational Constraints

Wednesday, 3 November 2021 14:20 (20 minutes)

Presenter: BHATTACHARJEE, Snehasish (Technion)

Session Classification: Parallel Session I

Contribution ID: 39

Type: **not specified**

Bounds from Gas-rich Galaxies on Dark Matter Decay and Annihilation

Wednesday, 3 November 2021 14:20 (20 minutes)

Presenter: WANG, Zihui (NYU)

Session Classification: Parallel Session I

Contribution ID: 40

Type: **not specified**

BSM Physics at Neutrino Experiments

Wednesday, 3 November 2021 14:10 (20 minutes)

Presenter: SHOEMAKER, Ian (Virginia Tech)

Session Classification: Parallel Session I

Contribution ID: 41

Type: **not specified**

Multi-TeV Signals of Baryogenesis in a Higgs Troika Model

Wednesday, 3 November 2021 14:10 (20 minutes)

Presenter: SULLIVAN, Matthew (Brookhaven National Laboratory)

Session Classification: Parallel Session I

Contribution ID: 42

Type: **not specified**

Theoretical Aspects of Spin Hydrodynamics Framework

Wednesday, 3 November 2021 14:10 (20 minutes)

Presenter: SINGH, Rajeev (Institute of Nuclear Physics Polish Academy of Sciences)

Session Classification: Parallel Session I

Contribution ID: 43

Type: **not specified**

Searches for Long-lived Particles and Dark Matter

Wednesday, 3 November 2021 14:40 (20 minutes)

Presenter: MORINAIGA, Masahiro (University of Tokyo)

Session Classification: Parallel Session I

Contribution ID: 44

Type: **not specified**

Precision Calculation of Inflation Correlators at One Loop

Wednesday, 3 November 2021 14:40 (20 minutes)

Presenter: ZHONG, Yiming (Stony Brook University)

Session Classification: Parallel Session I

Contribution ID: 45

Type: **not specified**

Milli-magnetic Monopole Dark Matter and the Survival of Galactic Magnetic Fields

Wednesday, 3 November 2021 14:40 (20 minutes)

Presenter: GRAESSER, Michael (Los Alamos National Laboratory)

Session Classification: Parallel Session I

Contribution ID: 46

Type: **not specified**

Heavy Neutral Leptons at Hodoscopic Detectors

Wednesday, 3 November 2021 14:30 (20 minutes)

Presenter: HOSTERT, Matheus (University of Minnesota/Perimeter Institute)

Session Classification: Parallel Session I

Contribution ID: 47

Type: **not specified**

Electroweak Symmetry Non-restoration in UV-complete Models with New Fermions

Wednesday, 3 November 2021 14:30 (20 minutes)

Presenter: NG, Yu Hang (University of Nebraska-Lincoln)

Session Classification: Parallel Session I

Contribution ID: 48

Type: **not specified**

Recent Hidden Sector Searches at BABAR

Wednesday, 3 November 2021 14:30 (20 minutes)

Presenter: SHUVE, Brian (Harvey Mudd College)

Session Classification: Parallel Session I

Contribution ID: 49

Type: **not specified**

Toponium Phenomenology at the LHC

Wednesday, 3 November 2021 15:20 (20 minutes)

Presenter: ZHENG, Yu-Juan (University of Kansas)

Session Classification: Parallel Session II

Contribution ID: 50

Type: **not specified**

Resonant Leptogenesis, Neutrinoless Double Beta Decay and Collider Signals from Discrete Flavor and CP Symmetries

Wednesday, 3 November 2021 15:20 (20 minutes)

Presenter: CHAUHAN, Garv (Washington University St. Louis)

Session Classification: Parallel Session II

Contribution ID: 51

Type: **not specified**

Production of Thermal Axions in the Early Universe

Wednesday, 3 November 2021 15:20 (20 minutes)

Presenter: HAJKARIM, Fazlollah (University of Padova/INFN)

Session Classification: Parallel Session II

Contribution ID: 52

Type: **not specified**

Un-binned Angular Analysis of $B \rightarrow D^* \ell \nu_\ell$ and the Right-handed Current

Wednesday, 3 November 2021 15:20 (20 minutes)

Presenter: HUANG, Zhuoran (Asia-Pacific Center for Theoretical Physics)

Session Classification: Parallel Session II

Contribution ID: 53

Type: **not specified**

Twin Quark Dark Matter

Wednesday, 3 November 2021 15:20 (20 minutes)

Presenter: KILIC, Can (University of Texas at Austin)

Session Classification: Parallel Session II

Contribution ID: 54

Type: **not specified**

Gravitational Distortion on Photon State at the Vicinity of the Earth

Wednesday, 3 November 2021 15:20 (20 minutes)

Presenter: EXIRIFARD, Qasem (University of Ottawa)

Session Classification: Parallel Session II

Contribution ID: 55

Type: **not specified**

Unsupervised Hadronic SUEP at the LHC

Wednesday, 3 November 2021 15:40 (20 minutes)

Presenter: BARRON, Jared (University of Toronto)

Session Classification: Parallel Session II

Contribution ID: 56

Type: **not specified**

Production of Heavy States Via Relativistic Bubble Expansion

Wednesday, 3 November 2021 15:40 (20 minutes)

Presenter: VANVLASSELAER, Miguel (SISSA)

Session Classification: Parallel Session II

Contribution ID: 57

Type: **not specified**

Displaced and Invisible Signatures of ALPs at Belle II

Wednesday, 3 November 2021 15:40 (20 minutes)

Presenter: SCHÄFER, Ruth (Heidelberg University)

Session Classification: Parallel Session II

Contribution ID: 58

Type: **not specified**

Scrutinizing B Anomalies with the Future Lepton Machine

Wednesday, 3 November 2021 15:40 (20 minutes)

Presenter: LI, Lingfeng (HKUST)

Session Classification: Parallel Session II

Contribution ID: 59

Type: **not specified**

Dark Matter Phenomenology in Two Higgs Doublet Model with Complex Scalar Singlet

Wednesday, 3 November 2021 15:40 (20 minutes)

Presenter: DUTTA, Juhi (ITP/University of Hamburg)

Session Classification: Parallel Session II

Contribution ID: **60**

Type: **not specified**

Gravitational Soft Theorem from Emergent Soft Gauge Symmetries

Wednesday, 3 November 2021 15:40 (20 minutes)

Presenter: HAGER, Patrick (TUM)

Session Classification: Parallel Session II

Contribution ID: **61**

Type: **not specified**

Complex Singlet Benchmarks at Future Colliders

Wednesday, 3 November 2021 16:00 (20 minutes)

Presenter: LANE, Samuel (University of Kansas)

Session Classification: Parallel Session II

Contribution ID: 62

Type: **not specified**

The Loitering Universe: A New Beginning

Wednesday, 3 November 2021 16:00 (20 minutes)

Presenter: MELCHER, Brandon (Northeastern University)

Session Classification: Parallel Session II

Contribution ID: 63

Type: **not specified**

Golden Opportunity to Search for Lepton Flavor Violating ALPs at the EIC

Wednesday, 3 November 2021 16:00 (20 minutes)

Presenter: MARCARELLI, Roman (University of Colorado, Boulder)

Session Classification: Parallel Session II

Contribution ID: 64

Type: **not specified**

Probing the Quark Mass Matrices Using Discrete Symmetry

Wednesday, 3 November 2021 16:00 (20 minutes)

Presenter: MAHAK, Garg (Panjab University)

Session Classification: Parallel Session II

Contribution ID: 65

Type: **not specified**

Inflation & Dark Matter in the Post-inflationary Universe

Wednesday, 3 November 2021 16:00 (20 minutes)

Presenter: YOON, Jong-Hyun (University of Helsinki)

Session Classification: Parallel Session II

Contribution ID: 66

Type: **not specified**

Gravitational Wave Tests of High Scale Paradigms of Baryogenesis

Wednesday, 3 November 2021 16:00 (20 minutes)

Presenter: WHITE, Graham (TRIUMF)

Session Classification: Parallel Session II

Contribution ID: 67

Type: **not specified**

Simulating a Pure Gluon Shower for Dark Sector Searches

Wednesday, 3 November 2021 16:20 (20 minutes)

Presenter: GEMMELL, Caleb (University of Toronto)

Session Classification: Parallel Session II

Contribution ID: 68

Type: **not specified**

Inflationary Manetogenesis with Reheating Phase from Higher Curvature Cupling

Wednesday, 3 November 2021 16:20 (20 minutes)

Presenter: PAUL, Tanmoy (University of Burdwan)

Session Classification: Parallel Session II

Contribution ID: 69

Type: **not specified**

Density Pertubations in Axions: Classical vs Quantum Field Treatment

Wednesday, 3 November 2021 16:20 (20 minutes)

Presenter: CHAKRABARTY, Sankha Subhra (University of Florida)

Session Classification: Parallel Session II

Contribution ID: 70

Type: **not specified**

Revisiting the CKM Paradigm

Wednesday, 3 November 2021 16:20 (20 minutes)

Presenter: AWASTHI, Nikhila (Panjab University, Chandigarh)

Session Classification: Parallel Session II

Contribution ID: 71

Type: **not specified**

Self-interacting Dark Matter via Right Handed Neutrino Portal

Wednesday, 3 November 2021 16:20 (20 minutes)

Presenter: DUTTA, Manoranjan (Indian Institute of Tecnology)

Session Classification: Parallel Session II

Contribution ID: 72

Type: **not specified**

Detectability of Stochastic Backgrounds of Gravitational Waves at TianQin

Wednesday, 3 November 2021 16:20 (20 minutes)

Presenter: JIANG, Yun (Sun Yat-sen University)

Session Classification: Parallel Session II

Contribution ID: 73

Type: **not specified**

Recent Diboson Measurements

Wednesday, 3 November 2021 16:40 (20 minutes)

Presenter: WOOD, Darien (Northeastern University)

Session Classification: Parallel Session II

Contribution ID: 74

Type: **not specified**

Glaciation: Freezing into a Thermalized Hidden Sector

Wednesday, 3 November 2021 16:40 (20 minutes)

Presenter: FERNANDEZ, Nicolas (University of Illinois)

Session Classification: Parallel Session II

Contribution ID: 76

Type: **not specified**

B Anomolies at Belle II

Wednesday, 3 November 2021 16:40 (20 minutes)

Presenter: PRIM, Markus (University of Bonn)

Session Classification: Parallel Session II

Contribution ID: 77

Type: **not specified**

Dark Matter Capture in Neutron Stars

Wednesday, 3 November 2021 16:40 (20 minutes)

Presenter: BELL, Nicole (The University of Melbourne)

Session Classification: Parallel Session II

Contribution ID: 78

Type: **not specified**

Gravitational Waves From First Order Phase Transition Durin Inflation

Wednesday, 3 November 2021 16:40 (20 minutes)

Presenter: AN, Haipeng (Tsinghua University)

Session Classification: Parallel Session II

Contribution ID: 79

Type: **not specified**

Overview of Top Quark Results (ATLAS+CMS)

Thursday, 4 November 2021 13:40 (20 minutes)

Presenter: NARAYAN, Rohin (Southern Methodist University)

Session Classification: Parallel Session I

Contribution ID: **80**

Type: **not specified**

A No-Lose Theorem for Discovering the New Physics of $(g-2)$ at Muon Colliders

Thursday, 4 November 2021 13:40 (20 minutes)

Presenter: CURTIN, David (University of Toronto)

Session Classification: Parallel Session I

Contribution ID: **81**

Type: **not specified**

Prospects for Beyond the Standard Model Physics in Long Baseline Neutrino Experiments

Thursday, 4 November 2021 13:40 (20 minutes)

Presenter: BISHAI, Mary (Brookhaven National Laboratory)

Session Classification: Parallel Session I

Contribution ID: **82**

Type: **not specified**

Axiogenesis from $SU(2)_R$ Phase Transition

Thursday, 4 November 2021 13:40 (20 minutes)

Presenter: WANG, Ruoquan (Rutgers University)

Session Classification: Parallel Session I

Contribution ID: 83

Type: **not specified**

The Cosmological Constant with Emergent Gauge Symmetries

Thursday, 4 November 2021 13:40 (20 minutes)

Presenter: BASS, Steven (Jagiellonian University)

Session Classification: Parallel Session I

Contribution ID: **84**

Type: **not specified**

New Aspects of Sterile Neutrino Dark Matter

Thursday, 4 November 2021 13:40 (20 minutes)

Presenter: ZHANG, Yue (Carleton University)

Session Classification: Parallel Session I

Contribution ID: 85

Type: **not specified**

Recent Higgs Measurements (ATLAS+CMS)

Thursday, 4 November 2021 14:00 (20 minutes)

Presenter: DI GREGORIO, Giulia (INFN)

Session Classification: Parallel Session I

Contribution ID: 86

Type: **not specified**

Measurement of $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ with ISR Events at *BABAR* & its Contribution to $(g-2)_\mu$

Thursday, 4 November 2021 14:00 (20 minutes)

Presenter: WILSON, Fergus (Rutherford Appleton Laboratory)

Session Classification: Parallel Session I

Contribution ID: 87

Type: **not specified**

Measurement of Energy-dependent Inclusive Muon Neutrino Charged Current Cross Section at MicroBooNE

Thursday, 4 November 2021 14:00 (20 minutes)

Presenter: GU, Wenqiang (Brookhaven National Laboratory)

Session Classification: Parallel Session I

Contribution ID: **88**

Type: **not specified**

Gravitational Wave Probes of Axion Kination

Thursday, 4 November 2021 14:00 (20 minutes)

Presenter: CO, Raymond (University of Minnesota)

Session Classification: Parallel Session I

Contribution ID: 89

Type: **not specified**

Towards a Model-independent Reconstruction Approach for Late-time Hubble Data

Thursday, 4 November 2021 14:00 (20 minutes)

Presenter: BERNARDO, Reginald (University of Philippines)

Session Classification: Parallel Session I

Contribution ID: **90**

Type: **not specified**

Light Dark Matter Through Resonance Scanning

Thursday, 4 November 2021 14:20 (20 minutes)

Presenter: HOUTZ, Rachel (Durham University)

Session Classification: Parallel Session I

Contribution ID: **91**

Type: **not specified**

X+jets Measurements & Searches at CMS

Thursday, 4 November 2021 14:20 (20 minutes)

Presenter: CHOU, John Paul (Rutgers University)

Session Classification: Parallel Session I

Contribution ID: 92

Type: **not specified**

Muon g-2 Anomaly & Neutrino Magnetic Moments

Thursday, 4 November 2021 14:20 (20 minutes)

Presenter: PADMANABHAN KOVILAKAM, Vishnu (Oklahoma State University)

Session Classification: Parallel Session I

Contribution ID: 93

Type: **not specified**

Latest Results from Astrophysical Searches with the IceCube Observatory

Thursday, 4 November 2021 14:20 (20 minutes)

Presenter: SHARMA, Ankur (Uppsala University)

Session Classification: Parallel Session I

Contribution ID: 94

Type: **not specified**

An Analytic Treatment of Underdamped Axionic Blue Isocurvature Perturbations

Thursday, 4 November 2021 14:20 (20 minutes)

Presenter: CHUNG, Daniel (University of Wisconsin)

Session Classification: Parallel Session I

Contribution ID: 95

Type: **not specified**

A Symmetry of Cosmological Observables and a Hubble Constant as an Indicator of a Mirror World Dark Sector

Thursday, 4 November 2021 14:20 (20 minutes)

Presenter: CYR-RACINE, Francis-Yan (University of New Mexico)

Session Classification: Parallel Session I

Contribution ID: 96

Type: **not specified**

Long Range Non-perturbative Effects in a t- Channel Simplified Dark Matter Model

Thursday, 4 November 2021 14:00 (20 minutes)

Presenter: SENGUPTA, Dipan (UC San Diego)

Session Classification: Parallel Session I

Contribution ID: 97

Type: **not specified**

Di-Higgs Searches (Non-resonant) (ATLAS+CMS)

Thursday, 4 November 2021 14:40 (20 minutes)

Presenter: D'AMICO, Valerio (Università and INFN Roma Tre)

Session Classification: Parallel Session I

Contribution ID: 98

Type: **not specified**

**Lepton Anomalous Magnetic Moment with
Singlet-Doublet Fermion Dark Matter in Scotogenic
 $U(1)_{L_\mu} - L_\tau$ Model**

Thursday, 4 November 2021 14:40 (20 minutes)

Presenter: MAHAPATRA, Satyabrata (Indian Institute of Technology)

Session Classification: Parallel Session I

Contribution ID: 99

Type: **not specified**

Astrophysical Searches within IceCube

Thursday, 4 November 2021 14:40 (20 minutes)

Presenter: SUBHASH, Vedant (SUNY Buffalo)

Session Classification: Parallel Session I

Contribution ID: **100**

Type: **not specified**

Neff Constraints on Portal Coupling with Hidden Sectors

Thursday, 4 November 2021 14:40 (20 minutes)

Presenter: RALEGANKAR, Pranjal (University of Illinois)

Session Classification: Parallel Session I

Contribution ID: **101**

Type: **not specified**

IIB Matrix Model: Emergence of Spacetime & Matter

Thursday, 4 November 2021 15:00 (20 minutes)

Presenter: KLINKHAMER, Frans (ITP KIT)

Session Classification: Parallel Session I

Contribution ID: **102**

Type: **not specified**

Ultraheavy Dark Matter Search with Electron Microscopy of Geological Quartz

Thursday, 4 November 2021 14:40 (20 minutes)

Presenter: TANIN, Erwin (Johns Hopkins University)

Session Classification: Parallel Session I

Contribution ID: **103**

Type: **not specified**

Search for Exotic Higgs Decay

Thursday, 4 November 2021 15:00 (20 minutes)

Presenter: HO LO, Kin (CERN)

Session Classification: Parallel Session I

Contribution ID: **104**

Type: **not specified**

Unified Framework for B Anomolies, muon $g-2$, Neutrino Masses

Thursday, 4 November 2021 15:00 (20 minutes)

Presenter: THAPA, Anil (University of Virginia)

Session Classification: Parallel Session I

Contribution ID: 105

Type: **not specified**

Dimuons in Neutrino Telescopes: New Predictions & First Candidates in IceCube

Thursday, 4 November 2021 15:00 (20 minutes)

Presenter: ZHOU, Bei (Johns Hopkins University)

Session Classification: Parallel Session I

Contribution ID: **106**

Type: **not specified**

Neutrino as the Dark Force

Thursday, 4 November 2021 15:00 (20 minutes)

Presenter: ORLOFSKY, Nicholas (Carleton University)

Session Classification: Parallel Session I

Contribution ID: 107

Type: **not specified**

Swampland Conjectures & Single Field Inflation in General Cosmoiological Scenarios

Thursday, 4 November 2021 14:40 (20 minutes)

Presenter: TRIVEDI, Oem (Ahmedabad University)

Session Classification: Parallel Session I

Contribution ID: **108**

Type: **not specified**

Probing Leptopilic Dark at 1 TeV ILC with Effective Operators

Thursday, 4 November 2021 15:00 (20 minutes)

Presenter: KUNDU, Saumyen (BITS Pilani, K.K. Birla Goa Campus)

Session Classification: Parallel Session I

Contribution ID: **109**

Type: **not specified**

Stellar Neutrino

Thursday, 4 November 2021 15:20 (20 minutes)

Presenter: NARAYAN, Aakash (Osmania University)

Session Classification: Parallel Session I

Contribution ID: **110**

Type: **not specified**

Welcome to the Brookhaven Forum

Wednesday, 3 November 2021 08:45 (15 minutes)

Presenters: GAO, Haiyan (BNL); DAVOUDIASL, Hooman (BNL); DENTON, Peter (BNL)

Session Classification: Welcome

Contribution ID: 111

Type: **not specified**

Gravitational Particle Production using Adiabatic Invariants

Thursday, 4 November 2021 15:20 (20 minutes)

Presenter: BASSO, Edward

Session Classification: Parallel Session I