

Workshop on Standard Model and Beyond

Report of Contributions

Contribution ID: 120

Type: **not specified**

Status of the Statistical Parton Distributions

Monday 30 August 2021 12:00 (30 minutes)

Presenter: BUCCELLA, Franco (INFN sezione di Napoli)

Contribution ID: **121**

Type: **not specified**

Additional Baryons and Mesons

Monday 30 August 2021 12:30 (30 minutes)

Presenter: FRAMPTON, Paul (University of Salento (IT))

Contribution ID: 122

Type: **not specified**

Intermittency analysis in heavy ion collisions: a review of the current status and challenges

Monday 30 August 2021 13:00 (30 minutes)

Presenter: DAVIS, Nikolaos (Polish Academy of Sciences (PL))

Contribution ID: 123

Type: **not specified**

Resummation of Superleading Logarithms

Monday 30 August 2021 16:00 (30 minutes)

Presenter: NEUBERT, Matthias (Johannes Gutenberg Universitat Mainz)

Contribution ID: 124

Type: **not specified**

Symmetries of spin amplitudes: applications for factorization and Monte Carlo solutions

Monday 30 August 2021 17:30 (30 minutes)

Presenter: WAS, Zbigniew

Contribution ID: 125

Type: **not specified**

New coordinates for the search of the QCD critical behaviour in A+A collisions

Tuesday 31 August 2021 09:30 (30 minutes)

Presenter: DIAKONOS, Fotis (National and Kapodistrian Univ. of Athens (GR))

Contribution ID: 126

Type: **not specified**

Progress on Multiloop calculations

Monday 30 August 2021 18:40 (20 minutes)

Presenter: CANKO, Dhimiter (NSCR "Demokritos")

Contribution ID: 127

Type: **not specified**

Search for heavy diboson resonances in semileptonic final states in pp

Monday 30 August 2021 18:20 (20 minutes)

Presenter: EL GHAZALI, Yassine (Ibn-Tofail University, Kenitra (MA))

Contribution ID: 128

Type: **not specified**

A continuum solution to the hierarchy problem

Tuesday 31 August 2021 12:00 (30 minutes)

Presenter: QUIROS CARCELEN, Mariano (The Barcelona Institute of Science and Technology (BIST) (ES))

Contribution ID: **129**

Type: **not specified**

Scalar Leptoquark Matching onto SMEFT

Saturday 4 September 2021 18:30 (30 minutes)

Presenter: DEDES, Athanasios (University of Ioannina (GR))

Contribution ID: 130

Type: **not specified**

Deep Learning Searches for Vector-Like Leptons at the LHC and Electron/Muon Colliders

Thursday 2 September 2021 17:00 (20 minutes)

Presenter: GONCALVES, Joao (University of Aveiro (PT))

Contribution ID: **131**

Type: **not specified**

Gamma Factory: status and physics highlights

Tuesday 31 August 2021 11:30 (30 minutes)

Presenter: KRASNY, Mieczyslaw (LPNHE, Sorbonne University, Paris, Centre National de la Recherche Scientifique (FR) and CERN)

Contribution ID: 132

Type: **not specified**

Combined Explanation of the $Z \rightarrow b\bar{b}$ Forward-Backward Asymmetry, the Cabibbo Angle

Presenter: MANZARI, Claudio Andrea (Universitaet Zuerich (CH))

Contribution ID: 133

Type: **not specified**

Global Analysis of Leptophilic Z' Bosons

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

Contribution ID: 134

Type: **not specified**

Ultraviolet behaviour of Higgs inflation models

Presenter: TAMVAKIS, Kyriakos (University of Ioannina (GR))

Contribution ID: 135

Type: **not specified**

Higgs studies in ATLAS and CMS

Wednesday 1 September 2021 09:00 (30 minutes)

Presenter: ASMUSS, Paul (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: 136

Type: **not specified**

Flavor-violating Higgs decays and stellar cooling hints in axion models

Wednesday 1 September 2021 12:30 (30 minutes)

Presenter: BADZIAK, Marcin (University of Warsaw (PL))

Contribution ID: 137

Type: **not specified**

Linear e+e- colliders - future Higgs factories

Wednesday 1 September 2021 10:30 (30 minutes)

Presenter: BOZOVIC-JELISAVCIC, Ivanka (University of Belgrade (RS))

Contribution ID: 138

Type: **not specified**

Relating the phase of CKM and PMNS matrices in 2HDM

Wednesday 1 September 2021 10:00 (30 minutes)

Presenter: BOTELLA OLCINA, Francisco Jose (Univ. of Valencia and CSIC (ES))

Contribution ID: 139

Type: **not specified**

Phenomenology of unusual top partners in Composite Higgs Models

Wednesday 1 September 2021 09:30 (30 minutes)

Presenter: POROD, Werner (Uni. Würzburg)

Contribution ID: **140**

Type: **not specified**

Invariants of multi-Higgs doublet models

Wednesday 1 September 2021 16:50 (20 minutes)

Presenter: BENTO, Miguel (Instituto Superior Técnico (IST), CFTP (PT))

Contribution ID: 141

Type: **not specified**

Interpretations of the search for Higgs boson pair production in the two bottom quarks plus two photons final state with the ATLAS detector

Wednesday 1 September 2021 17:10 (20 minutes)

Presenter: BELFKIR, Mohamed (LAPP-IN2P3)

Contribution ID: 142

Type: **not specified**

Some reflexions on hidden features of SM extensions with scalar triplets

Wednesday 1 September 2021 17:30 (20 minutes)

Presenter: GONÇALVES, Bernardo (CFTP/IST (PT))

Contribution ID: 143

Type: **not specified**

FlexibleDecay: An automated calculator of scalar decay widths

Wednesday 1 September 2021 16:00 (30 minutes)

Presenter: KOTLARSKI, Wojciech (TU - Dresden)

Contribution ID: 144

Type: **not specified**

The Higgs portal and an inflaton

Presenter: LEBEDEV, Oleg

Contribution ID: 145

Type: **not specified**

Exploring multi-Higgs models with softly broken large discrete symmetry groups

Wednesday 1 September 2021 16:30 (20 minutes)

Presenter: LEVY, Miguel (CFTP/IST (PT))

Contribution ID: 146

Type: **not specified**

Sculpting the Standard Model from low-scale Gauge-Higgs-Matter Grand Unification

Wednesday 1 September 2021 11:30 (30 minutes)

Presenter: MORAIS, Antonio (University of Aveiro)

Contribution ID: 147

Type: **not specified**

Constraining extended scalar sectors at current and future colliders

Wednesday 1 September 2021 12:00 (30 minutes)

Presenter: ROBENS, Tania (Rudjer Boskovic Institute (HR))

Contribution ID: 148

Type: **not specified**

The Higgs portal and an inflaton

Wednesday 8 September 2021 10:00 (30 minutes)

Presenter: LEBEDEV, Oleg (University of Helsinki (FIN))

Contribution ID: 149

Type: **not specified**

Multiple modular symmetries as the origin of flavour

Thursday 2 September 2021 10:30 (30 minutes)

Presenter: DE MEDEIROS VARZIELAS, Ivo (CFTP, IST, University of Lisbon)

Contribution ID: 150

Type: **not specified**

Twin Pati-Salam theory of flavour with a TeV scale vector leptoquark

Thursday 2 September 2021 12:00 (30 minutes)

Presenter: KING, Steve (Univ. Southampton (UK))

Contribution ID: 151

Type: **not specified**

Aspects of flavour with vector-like quarks

Thursday 2 September 2021 11:30 (30 minutes)

Presenter: BRANCO, Gustavo (Instituto Superior Tecnico)

Contribution ID: 152

Type: **not specified**

Recent results with entangled neutral kaons at KLOE-2

Thursday 2 September 2021 12:30 (30 minutes)

Presenter: DI DOMENICO, Antonio (Sapienza Universita e INFN, Roma I (IT))

Contribution ID: **153**

Type: **not specified**

Extending Trinity to the Scalar Sector

Thursday 2 September 2021 18:30 (20 minutes)

Presenter: ALVES, Joao (Instituto Superior Técnico (IST) (PL))

Contribution ID: 154

Type: **not specified**

CP-violation measurements at the LHC

Thursday 2 September 2021 13:00 (30 minutes)

Presenter: SANTOS, Rui (ISEL & CFTC-UL (PT))

Contribution ID: 155

Type: **not specified**

A Minimal Explanation of Flavour Anomalies: B-Meson Decays, Muon Magnetic Moment,

Thursday 2 September 2021 17:40 (30 minutes)

Presenter: TRIFINOPOULOS, Sokratis (SISSA)

Contribution ID: 156

Type: **not specified**

Standard Model prediction of the Bc lifetime

Thursday 2 September 2021 19:20 (30 minutes)

Presenter: AEBISCHER, Jason (UCSD (US))

Contribution ID: 157

Type: **not specified**

Neutrino masses from minimal scoto-seesaw mechanism with spontaneous CP violation

Saturday 4 September 2021 17:00 (20 minutes)

Presenter: BARREIROS, Debora (CFTP/IST, Universidade de Lisboa (PT))

Contribution ID: 158

Type: **not specified**

Time evolution of the lepton numbers of Majorana neutrinos in the Schrodinger picture versus Heisenberg picture

Saturday 4 September 2021 11:10 (30 minutes)

Presenter: MOROZUMI, Takuya (Hiroshima University (JP))

Contribution ID: **159**

Type: **not specified**

Neutrino physics: theory

Friday 3 September 2021 09:00 (1 hour)

Presenter: SMIRNOV, Alexei (Max-Planck-Institute for Nuclear Physics)

Contribution ID: **160**

Type: **not specified**

Overview of neutrino electromagnetic properties

Friday 3 September 2021 10:00 (30 minutes)

Presenter: STUDENIKIN, Alexander (Moscow State University and JINR)

Contribution ID: **161**

Type: **not specified**

Earth as a baseline for measuring CP violating phase in neutrino oscillations in matter

Thursday 2 September 2021 17:20 (20 minutes)

Presenter: RYCZKOWSKI, Michal (University of Warsaw (PL))

Contribution ID: **162**

Type: **not specified**

Review of rare decays and tests of Lepton Flavour Universality at LHCb

Thursday 2 September 2021 09:00 (45 minutes)

Presenter: PEPE-ALTARELLI, Monica (CERN)

Contribution ID: **163**

Type: **not specified**

Neutrinos as Pathfinders of New Physics

Friday 3 September 2021 10:30 (30 minutes)

Presenter: WF VALLE, Jose (AHEP Group at IFIC, CSIC- U Valencia)

Contribution ID: **164**

Type: **not specified**

Gravitational waves from neutrino mass genesis

Saturday 4 September 2021 11:40 (30 minutes)

Presenter: DI BARI, Pasquale (University of Southampton (UK))

Contribution ID: 165

Type: **not specified**

Non-Unitary Mixing matrices in Neutrino and Vector-like quark Models

Saturday 4 September 2021 17:20 (20 minutes)

Presenter: F. PEREIRA , P.M. (CFTP/IST Lisboa (:PT))

Contribution ID: **166**

Type: **not specified**

Sterile neutrinos with inverse seesaw and Abelian flavour symmetries

Saturday 4 September 2021 12:40 (20 minutes)

Presenter: FERNANDES DE NORONHA BRITO CAMARA , H.P. (CFTP, Techn. U. Lisbon (PT))

Contribution ID: **167**

Type: **not specified**

The Gravitino Swampland Conjecture

Saturday 4 September 2021 10:00 (50 minutes)

Presenter: KOLB, Edward W (Rocky) (U. Chicago (US))

Contribution ID: **168**

Type: **not specified**

Asymptotic Freedom and Higher derivative Yang Mills theories

Monday 30 August 2021 19:00 (30 minutes)

Presenter: ASOREY, Manuel (Universidad de Zaragoza)

Contribution ID: **169**

Type: **not specified**

Understanding the Higgs mass in string theory

Saturday 4 September 2021 09:00 (30 minutes)

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

Contribution ID: 170

Type: **not specified**

Beyond SM with Weyl conformal geometry

Presenter: GHILENCEA, Dumitru (IFIN-HH (RO))

Contribution ID: 172

Type: **not specified**

TBA (related to SUSY Breaking in a top-down approach)

Presenter: SAGNOTTI, A.

Contribution ID: 173

Type: **not specified**

SUSY explanation of g-2 without dark matter

Sunday 5 September 2021 17:00 (30 minutes)

Presenter: SAKURAI, Kazuki (University of Warsaw)

Contribution ID: 174

Type: **not specified**

Minimal Flipped SU(5) from F-theory

Sunday 5 September 2021 10:00 (30 minutes)

Presenter: LEONTARIS, Georgios (University of Ioannina (GR))

Contribution ID: 175

Type: **not specified**

Geometrising the Micro-Cosmos on a Supermanifold

Sunday 5 September 2021 12:00 (30 minutes)

Presenter: PILAFTSIS, Apostolos (University of Manchester (GB))

Contribution ID: 176

Type: **not specified**

Monopoles and baryon number violation from heavy ion collisions

Wednesday 8 September 2021 11:30 (30 minutes)

Presenter: RAJANTIE, Arttu (Imperial College (UK))

Contribution ID: 177

Type: **not specified**

MoEDAL- the LHC's First Experiment Dedicated to the Search for BSM Physics

Tuesday 7 September 2021 19:20 (30 minutes)

Presenter: PINFOLD, James (University of Alberta (CA))

Contribution ID: 178

Type: **not specified**

Dedicated experiments for long-lived particles

Presenter: MITSOU, Vasiliki (Univ. of Valencia and CSIC (ES))

Contribution ID: 179

Type: **not specified**

PT Symmetry and Physics Beyond the Standard Model

Sunday 5 September 2021 13:00 (30 minutes)

Presenter: SARKAR, sarben (King's College London (UK))

Contribution ID: **180**

Type: **not specified**

Axion mass from the UV

Sunday 5 September 2021 11:30 (30 minutes)

Presenter: POMAROL, Alex (Universidad de Barcelona)

Contribution ID: **181**

Type: **not specified**

Review of CP-violation and spectroscopy measurements at LHCb

Thursday 2 September 2021 09:45 (45 minutes)

Presenter: HARNEW, Neville (University of Oxford (GB))

Contribution ID: **182**

Type: **not specified**

Pole Inflation in Supergravity

Sunday 5 September 2021 10:30 (30 minutes)

Presenter: PALLIS, Constantinos (Aristotle University of Thessaloniki)

Contribution ID: 183

Type: **not specified**

Phenomenology of Supersymmetric Trinification from Dimensional Reduction of a N=1, 10D E₈ Theory

Tuesday 7 September 2021 12:30 (30 minutes)

Presenter: PATELLIS, Grigorios

Contribution ID: **184**

Type: **not specified**

Self-Interacting Dark Matter in Twin Supersymmetry

Presenter: LUKAWSKI, Michal

Contribution ID: 185

Type: **not specified**

Electroweak Bubble Wall Expansion: Baryogenesis and Gravity Waves in simple extensions of the Standard Model

Sunday 5 September 2021 16:20 (20 minutes)

Presenter: MERCHAND MEDINA, Marco (University of Warsaw (PL))

Contribution ID: **186**

Type: **not specified**

Exotics and BSM in ATLAS and CMS (non-DM, non-SUSY searches)

Wednesday 1 September 2021 19:30 (30 minutes)

Presenter: PERREVOORT, Ann-Kathrin (Nikhef National institute for subatomic physics (NL))

Contribution ID: **187**

Type: **not specified**

Mass hierarchies from residual modular symmetries

Thursday 2 September 2021 16:30 (30 minutes)

Presenter: PENEDO, Joao (CFTP/IST, Lisbon)

Contribution ID: **188**

Type: **not specified**

Phenomenology of the super-weak U(1) extension of the standard model

Sunday 5 September 2021 12:30 (30 minutes)

Presenter: TROCSANYI, Zoltan Laszlo (ELTE Eotvos Lorand University (HU))

Contribution ID: **189**

Type: **not specified**

Rescaled Einstein-Hilbert Gravity: Inflation and the Swampland Criteria

Presenter: GITSIS, Achilles (Aristotle University of Thessaloniki)

Contribution ID: **190**

Type: **not specified**

Vacuum Structure of the N= 4 Conformal Supergravity

Presenter: DALIANIS, Yiannis (NTU Athens)

Contribution ID: **191**

Type: **not specified**

The Minimal SU(5) Unification Model

Sunday 5 September 2021 09:00 (30 minutes)

Presenter: DORŠNER, Ilja (University of Split)

Contribution ID: **192**

Type: **not specified**

Invisible traces of conformal symmetry breaking

Sunday 5 September 2021 16:00 (20 minutes)

Presenter: KIERKLA, Maciej (University of Warsaw)

Contribution ID: 193

Type: **not specified**

Challenges of an accelerating universe in string theory

Monday 6 September 2021 09:00 (30 minutes)

Presenter: ANTONIADIS, Ignatios (UPMC)

Contribution ID: **194**

Type: **not specified**

Axial Anomaly in Very Special Relativity

Tuesday 7 September 2021 17:00 (30 minutes)

Presenter: ALFARO, Jorge (Pontificia Universidad Católica de Chile)

Contribution ID: 195

Type: **not specified**

Conformal symmetry: towards the link between the Fermi and the Planck scales

Tuesday 31 August 2021 10:00 (30 minutes)

Presenter: SHAPOSHNIKOV, Mikhail (EPFL (CH))

Contribution ID: 196

Type: **not specified**

String (gravi)photons, "dark brane photons", holography and the hypercharge portal

Thursday 2 September 2021 18:50 (30 minutes)

Presenter: ANASTASOPOULOS, Pascal (University of Vienna)

Contribution ID: **197**

Type: **not specified**

Minimal Consistent models for systematic Dark Matter exploration

Monday 6 September 2021 10:00 (30 minutes)

Presenter: BELYAEV, Alexander (University of Southampton & Rutherford Appleton Laboratory)

Contribution ID: **198**

Type: **not specified**

Dilatonic (Anti-)de Sitter Black Holes and Weak Gravity Conjecture

Tuesday 31 August 2021 13:00 (30 minutes)

Presenter: BENAKLI, Karim (CNRS)

Contribution ID: **199**

Type: **not specified**

Black-hole and wormhole solutions in Horndeski theories

Tuesday 7 September 2021 16:30 (30 minutes)

Presenter: BAKOPOULOS, Athanasios (University of Ioannina)

Contribution ID: **200**

Type: **not specified**

Taking charge of $O(N)$: from $d=3$ to $d=6$ via the large-charge expansion

Sunday 5 September 2021 16:40 (20 minutes)

Presenter: BERSINI, Jahmall (Ruđer Bošković Institute, Zagreb (HR))

Contribution ID: 201

Type: **not specified**

Non-equilibrium Quantum Cosmology with a distinct hint of Condensed-Matter Physics

Presenter: BHATTACHERJEE, Sandipan

Contribution ID: **202**

Type: **not specified**

Freeze-in produced dark matter at high temperatures

Monday 6 September 2021 16:40 (30 minutes)

Presenter: BIONDINI, Simone (Universität Basel)

Contribution ID: 203

Type: **not specified**

The gravitational energy-momentum pseudotensor in higher-order theories of gravity

Saturday 4 September 2021 19:30 (30 minutes)

Presenter: CAPOZZIELLO, Salvatore (INFN - National Institute for Nuclear Physics)

Contribution ID: **204**

Type: **not specified**

Entanglement entropy in expanding backgrounds

Tuesday 7 September 2021 09:30 (30 minutes)

Presenter: TETRADIS, Nikolaos (National and Kapodistrian University of Athens (GR))

Contribution ID: 205

Type: **not specified**

Sub-GeV Dark Matter and X-rays

Monday 6 September 2021 13:00 (30 minutes)

Presenter: CIRELLI, Marco (CNRS LPTHE Jussieu)

Contribution ID: 206

Type: **not specified**

Covariant formulation of non-equilibrium thermodynamics in General Relativity: Cosmic Acceleration from First Principles

Tuesday 7 September 2021 10:00 (30 minutes)

Presenter: GARCIA-BELLIDO, Juan (Universidad Autonoma de Madrid)

Contribution ID: **207**

Type: **not specified**

Dark matter direct search with the XENON experiment

Monday 6 September 2021 16:00 (20 minutes)

Presenter: D'ANDREA, Valerio (INFN - National Institute for Nuclear Physics)

Contribution ID: 208

Type: **not specified**

Search for Dark Matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Monday 6 September 2021 16:20 (20 minutes)

Presenter: PIAZZA, Federica (Università degli Studi di Milano & INFN, Milano (IT))

Contribution ID: **209**

Type: **not specified**

Multi-component SIMP models

Tuesday 7 September 2021 09:00 (30 minutes)

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

Contribution ID: **210**

Type: **not specified**

Axion gravitodynamics

Monday 6 September 2021 18:00 (30 minutes)

Presenter: MANOLAKOS, George (Rudjer Boskovic Institute, Zagreb (HR))

Contribution ID: 211

Type: **not specified**

Bekenstein bound and uncertainty relations

Tuesday 7 September 2021 12:00 (30 minutes)

Presenter: SCARDIGLI, Fabio (Politecnico Milano - Italy)

Contribution ID: 212

Type: **not specified**

Stability of domain walls in BSM models with asymmetric potentials

Saturday 4 September 2021 19:00 (30 minutes)

Presenter: LALAK, Zygmunt Adam (University of Warsaw (PL))

Contribution ID: 213

Type: **not specified**

E(10) symmetry, Dark Matter, Cosmic Rays and Giant Black Holes

Presenter: MESSINER, K.

Contribution ID: 214

Type: **not specified**

Dark matter pearls of atomic size and DAMA-LIBRA and Xenon1T see the Same Decays of pearls by Electron or Photon emission

Monday 6 September 2021 12:30 (30 minutes)

Presenter: NIELSEN, Holger (Copenhagen University, The Niels Bohr Institute (DK))

Contribution ID: 215

Type: **not specified**

Running Vacuum from QFT in curved spacetime and its implications on the σ_8 and H_0 tensions

Tuesday 7 September 2021 10:30 (30 minutes)

Presenter: SOLA PERACULA, Joan (Universitat de Barcelona)

Contribution ID: 216

Type: **not specified**

Large primordial density fluctuations from stochastic inflation

Tuesday 7 September 2021 11:30 (30 minutes)

Presenter: WANDS, David (University of Portsmouth)

Contribution ID: **217**

Type: **not specified**

Celestial Amplitudes

Saturday 4 September 2021 18:00 (30 minutes)

Presenter: TAYLOR, Tomasz (Northeastern University (US))

Contribution ID: **218**

Type: **not specified**

Effective potential for light radion and cosmological phase transitions.

Presenter: OLECHOWSKI, M.

Contribution ID: 219

Type: **not specified**

Sky Meets Laboratory via Renormalization Group Equations: Higgs Inflation, Light Dark Sector and Gravitational Waves from Phase Transition

Tuesday 7 September 2021 13:00 (30 minutes)

Presenter: GHOSHAL, Anish (INFN Tor Vergata, Rome, Italy)

Contribution ID: 220

Type: **not specified**

Dark matter from a complex scalar singlet: The role of dark CP and other discrete symmetries

Monday 6 September 2021 17:30 (30 minutes)

Presenter: HERRERO, Garcia Juan (IFIC, Univ. VALENCIA (ES))

Contribution ID: 221

Type: **not specified**

Searching for light dark matter with the PADME experiment

Wednesday 1 September 2021 19:10 (20 minutes)

Presenter: OCEANO, Isabella (Univ. Salento, INFN Lecce (IT))

Contribution ID: 222

Type: **not specified**

Probing very weakly coupled Dark Matter with gravitational waves

Monday 6 September 2021 18:30 (30 minutes)

Presenter: RAMAZANOV, Sabir (CEICO, Institute of Physics (Prague))

Contribution ID: 223

Type: **not specified**

Imprint of the seesaw mechanism on feebly interacting dark matter and the baryon asymmetry

Sunday 5 September 2021 17:30 (20 minutes)

Presenter: ROSHAN, Rishav (Indian Institute of Technology Guwahati)

Contribution ID: 224

Type: **not specified**

Probing Leptogenesis with gravitational waves

Tuesday 7 September 2021 16:00 (30 minutes)

Presenter: SAMANTA, Rome (University of Southampton)

Contribution ID: 225

Type: **not specified**

Sensitivity to dark matter production at future e+e- colliders

Saturday 4 September 2021 16:30 (30 minutes)

Presenter: ZARNECKI, Aleksander Filip (University of Warsaw (PL))

Contribution ID: 226

Type: **not specified**

SM (EW+QCD) measurements in ATLAS and CMS

Tuesday 31 August 2021 09:00 (30 minutes)

Presenter: KORDAS, Kostas (Aristotle University of Thessaloniki (GR))

Contribution ID: 227

Type: **not specified**

Highlights of ATLAS

Monday 30 August 2021 10:30 (1 hour)

Presenter: FAYARD, Louis (Université Paris-Saclay (FR))

Contribution ID: 228

Type: **not specified**

Neutrino: experiment

Tuesday 31 August 2021 17:20 (30 minutes)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: **229**

Type: **not specified**

Highlights of CMS

Monday 30 August 2021 09:30 (1 hour)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: 230

Type: **not specified**

Opening.(09:10 - 09:30)

Monday 30 August 2021 09:10 (20 minutes)

Presenter: ORGANISERS

Contribution ID: 231

Type: **not specified**

Strange content of proton and nuclei

Presenter: KUSINA, Aleksander (IFJ PAN)

Contribution ID: 232

Type: **not specified**

Renormalization group improved implications of Semileptonic Operators in SMEFT

Tuesday 31 August 2021 16:30 (30 minutes)

Presenter: KUMAR, Jacky (TU Munich (DE))

Contribution ID: 233

Type: **not specified**

The Future Circular Collider at CERN

Saturday 4 September 2021 15:30 (1 hour)

Presenter: TSESMELIS, Emmanuel (CERN)

Contribution ID: 234

Type: **not specified**

Interferometric tests of dark matter with AION

Monday 6 September 2021 10:30 (30 minutes)

Presenter: BUCHMULLER, Oliver (Imperial College (UK))

Contribution ID: 235

Type: **not specified**

CP-violating inflation and its cosmological imprints

Tuesday 7 September 2021 18:20 (30 minutes)

Presenter: KEUS, Venus (University of Helsinki)

Contribution ID: 236

Type: **not specified**

t-channel singularities

Tuesday 31 August 2021 12:30 (30 minutes)

Presenter: GRZADKOWSKI, Bohdan (University of Warsaw)

Contribution ID: 237

Type: **not specified**

Can we localise asymptotic-AdS black holes in brane-world models?

Monday 6 September 2021 09:30 (30 minutes)

Presenter: KANTI, Panagiota (University of Ioannina)

Contribution ID: 238

Type: **not specified**

E(10) symmetry, Dark Matter, Cosmic Rays and Giant Black Holes

Wednesday 1 September 2021 13:00 (30 minutes)

Presenter: MEISSNER, Krzysztof (University of Warsaw (PL))

Contribution ID: 239

Type: **not specified**

Slow and safe gravitinos

Wednesday 8 September 2021 10:30 (30 minutes)

Presenter: DUDAS, Emilian (Ecole Polytechnique)

Contribution ID: 240

Type: **not specified**

Top physics in ATLAS and CMS

Tuesday 31 August 2021 19:10 (30 minutes)

Presenter: KEAVENEY, James Michael (University of Cape Town (ZA))

Contribution ID: 241

Type: **not specified**

SUSY searches in ATLAS and CMS

Presenter: MATORRAS-CUEVAS, Pablo (Instituto de Fisica de Cantabria (ES))

Contribution ID: 242

Type: **not specified**

DM in ATLAS and CMS

Tuesday 7 September 2021 18:50 (30 minutes)

Presenter: ALBERT, Andreas (Boston University (US))

Contribution ID: **243**

Type: **not specified**

TBA

Presenter: SHAFI, Qaisar

Contribution ID: 244

Type: **not specified**

Holographic determination of hadronic light by light contribution to the $g-2$

Wednesday 8 September 2021 12:00 (30 minutes)

Presenter: D'AMBROSIO, Giancarlo (INFN, Naples (IT))

Contribution ID: 245

Type: **not specified**

The Arithmetic geometry of AdS2 and its continuum limit

Presenter: FLORATOS, Emmanouil (National and Kapodistrian University of Athens (GR))

Contribution ID: 246

Type: **not specified**

Neutrino mixing, entanglement and the gauge paradigm in quantum field theory

Thursday 2 September 2021 16:00 (30 minutes)

Presenter: VITIELLO, Giuseppe (University of Salerno, Italy)

Contribution ID: 247

Type: **not specified**

Quantum correlations in neutrino oscillations

Saturday 4 September 2021 12:10 (30 minutes)

Presenter: BLASONE, Massimo (Università di Salerno)

Contribution ID: 248

Type: **not specified**

Black holes beyond GR

Monday 6 September 2021 11:30 (30 minutes)

Presenter: CHARMOUSIS, Christos (IJCLab, Orsay (FR))

Contribution ID: 249

Type: **not specified**

Interplay of New Physics Effects in $(g-2)$ and $h \rightarrow l+l-$ – Lessons from SMEFT

Tuesday 31 August 2021 16:00 (30 minutes)

Presenter: TAMMARO, Michele (Institute Jozef Stefan)

Contribution ID: 250

Type: **not specified**

SUSY searches in ATLAS and CMS

Sunday 5 September 2021 09:30 (30 minutes)

Presenter: MATORRAS-CUEVAS, Pablo (Instituto de Física de Cantabria (ES))

Contribution ID: 251

Type: **not specified**

Cluster Algebras for Feynman Integrals

Monday 30 August 2021 16:30 (30 minutes)

Presenter: PAPATHANASIOU, Georgios (Deutsches Elektronen-Synchrotron DESY)

Contribution ID: 252

Type: **not specified**

Dimensional Regularization, Gauss Bonnet terms and anomaly actions for modified Gravity

Tuesday 31 August 2021 19:40 (30 minutes)

Presenter: CORIANÒ, claudio (INFN Lecce)

Contribution ID: 253

Type: **not specified**

Why is parity restored?

Monday 6 September 2021 12:00 (30 minutes)

Presenter: FRERE, Jean-Marie (ULB - Physique Théorique (BE))

Contribution ID: 254

Type: **not specified**

Status Report on ALICE

Presenter: MUSA, Luciano (CERN)

Contribution ID: 255

Type: **not specified**

Test of Fundamental Physics with Neutrinos

Friday 3 September 2021 11:00 (30 minutes)

Presenter: KATORI, Teppei (King's College London (UK))

Contribution ID: 256

Type: **not specified**

On nonsupersymmetric Pati-Salam string models

Saturday 4 September 2021 09:30 (30 minutes)

Presenter: RIZOS, John (University of Ioannina (GR))

Contribution ID: 257

Type: **not specified**

HL-LHC Project

Wednesday 1 September 2021 18:10 (1 hour)

Presenter: ZERLAUTH, Markus (CERN)

Contribution ID: 258

Type: **not specified**

New Physics Implications and prospects of LHCb flavour anomalies

Tuesday 31 August 2021 18:10 (30 minutes)

Presenter: MAHMOUDI, Nazila (CERN and Lyon University (FR))

Contribution ID: 259

Type: **not specified**

Sterile neutrino dark matter with dipole interaction

Wednesday 8 September 2021 09:30 (30 minutes)

Presenter: CHOI, Ki-Young (Sungkyunkwan University)

Contribution ID: **260**

Type: **not specified**

Particle production in the early stage of the Universe

Sunday 5 September 2021 18:10 (30 minutes)

Presenter: MAMBRINI, Yann (IJCLab, University Paris-Saclay, CNRS)

Contribution ID: 261

Type: **not specified**

e + invisible through a novel approach

Tuesday 31 August 2021 18:40 (30 minutes)

Presenter: GUADAGNOLI, Diego (LAPTh Annecy)

Contribution ID: 262

Type: **not specified**

Gauge Field Theory Vacuum and Cosmological Inflation without Scalar Field

Wednesday 8 September 2021 12:30 (30 minutes)

Presenter: SAVVIDY, George (Demokritos INP, Greece)

Contribution ID: 263

Type: **not specified**

Double beta decay experiment - Focusing on AMoRE experiment

Tuesday 7 September 2021 17:30 (30 minutes)

Presenter: KIM , Yeongduk (Center for Underground Physics Institute for Basic Science Daejeon, Korea)

Contribution ID: 264

Type: **not specified**

Non-renormalizable Interactions

Wednesday 8 September 2021 09:00 (30 minutes)

Presenter: KAZAKOV, Dmitry (JINR)

Contribution ID: 265

Type: **not specified**

Status report on ALICE

Wednesday 8 September 2021 16:00 (1 hour)

Presenter: MUSA, Luciano (CERN)

Contribution ID: 266

Type: **not specified**

Lambda and Antilambda polarization in heavy ion collision

Wednesday 8 September 2021 17:00 (30 minutes)

Presenter: BRAVINA, Larisa

Contribution ID: 267

Type: **not specified**

Sexaquarks - an unexpected candidate for dark matter?

Wednesday 8 September 2021 17:55 (30 minutes)

Presenter: KABANA, Sonia (Instituto De Alta Investigacion Universidad de Tarapaca (CL))

Contribution ID: 268

Type: **not specified**

The neutrino problem in models from string theory

Wednesday 8 September 2021 17:30 (25 minutes)

Presenter: KOKORELIS, Christos