

Workshop on Standard Model and Beyond

Report of Contributions

Contribution ID: 270

Type: **not specified**

Remembering Graham Ross

Thursday 1 September 2022 09:00 (5 minutes)

Graham Ross memorial

Presenter: ZOUPANOS, George

Contribution ID: 271

Type: **not specified**

Alan Martin and Graham Ross

Thursday 1 September 2022 09:05 (40 minutes)

Presenter: MARTIN, Alan

Contribution ID: 272

Type: **not specified**

The RG, LOOPS and GGR

Thursday 1 September 2022 12:00 (30 minutes)

Presenter: JONES, Tim (University of Liverpool)

Contribution ID: 273

Type: **not specified**

SM in Weyl conformal geometry

Thursday 1 September 2022 13:00 (30 minutes)

Presenter: GHILENCEA, Dumitru (Horia Hulubei National Institute of Physics and Nuclear Engineering (RO))

Contribution ID: 274

Type: **not specified**

Remembering Graham Ross

Thursday 1 September 2022 10:15 (15 minutes)

Presenter: LOLA, Magda

Contribution ID: 275

Type: **not specified**

A challenge to the cosmological standard model

Thursday 1 September 2022 09:45 (30 minutes)

Presenter: SARKAR, Subir (University of Oxford)

Contribution ID: 276

Type: **not specified**

Recent results from CMS

Monday 29 August 2022 16:00 (1 hour)

Presenter: TKACZYK, Slawomir Marek (Fermi National Accelerator Lab. (US))

Contribution ID: 277

Type: **not specified**

Physics highlights from LHCb

Wednesday 31 August 2022 09:00 (1 hour)

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

Contribution ID: 278

Type: **not specified**

Recent results from ATLAS

Monday 29 August 2022 09:30 (1 hour)

Presenter: CRISTINZIANI, Markus (Universität Siegen)

Contribution ID: **280**

Type: **not specified**

Gluon Fusion Production at NLO: Merging the Transverse Momentum and the High-Energy Expansions

Presenter: BELLAFRONTI, Luigi

Contribution ID: **281**

Type: **not specified**

Gravitational contact terms ... or ... does the Jordan frame really exist?

Thursday 1 September 2022 17:30 (30 minutes)

Presenter: HILL, Christopher (University of Bristol)

Contribution ID: **282**

Type: **not specified**

Remembering Graham Ross

Thursday 1 September 2022 11:45 (15 minutes)

Presenter: POKORSKI, Stefan (University of Warsaw (PL))

Contribution ID: **283**

Type: **not specified**

Scale invariant SM and inhomogeneous universe

Thursday 1 September 2022 16:30 (30 minutes)

Presenter: LALAK, Zygmunt (Faculty of Physics)

Contribution ID: **284**

Type: **not specified**

Unified theories of flavour

Thursday 1 September 2022 10:30 (30 minutes)

Presenter: KING, Steve

Contribution ID: **286**

Type: **not specified**

Diagram of high-energy nuclear collisions

Monday 5 September 2022 18:20 (30 minutes)

Presenter: GAZDZICKI, Marek (Jan Kochanowski University (PL))

Contribution ID: **287**

Type: **not specified**

HL-LHC project

Monday 5 September 2022 16:00 (1 hour)

Presenter: ZERLAUTH, Markus (CERN)

Contribution ID: **288**

Type: **not specified**

New developments for neutrino mixing in quantum field theory

Friday 2 September 2022 11:15 (15 minutes)

Presenter: SMALDONE, Luca (University of Warsaw)

Contribution ID: **289**

Type: **not specified**

Complete complementarity relations for quantum correlations in neutrino oscillations

Wednesday 31 August 2022 17:30 (30 minutes)

Presenter: BLASONE, Massimo (Università di Salerno & INFN)

Contribution ID: **290**

Type: **not specified**

High-precision measurement of the W boson mass with the CDF II detector

Wednesday 31 August 2022 16:00 (30 minutes)

Presenter: KOTWAL, Ashutosh (Duke University)

Contribution ID: **291**

Type: **not specified**

Remembering Graham Ross

Thursday 1 September 2022 11:30 (15 minutes)

Presenter: RABY, Stuart (The Ohio State University)

Contribution ID: 292

Type: **not specified**

Family symmetries and the origin of fermion masses and mixings

Thursday 1 September 2022 18:35 (30 minutes)

Presenter: DE MEDEIROS VARZIELAS, Ivo

Contribution ID: 293

Type: **not specified**

Finite unified theories and their predictions

Thursday 1 September 2022 12:30 (30 minutes)

Presenter: MONDRAGON, Myriam (Universidad Nacional Autonoma de Mexico UNAM)

Contribution ID: 294

Type: **not specified**

Parton distribution functions for discovery physics at the LHC

Thursday 1 September 2022 17:00 (30 minutes)

Presenter: COOPER-SARKAR, Amanda (University of Oxford (GB))

Contribution ID: 295

Type: **not specified**

Seeking de Sitter vacua in the string landscape

Thursday 1 September 2022 16:00 (30 minutes)

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

Contribution ID: **297**

Type: **not specified**

BEH boson(s) searches between 1964 and 2012

Monday 29 August 2022 09:00 (30 minutes)

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

Contribution ID: 298

Type: **not specified**

Planck formula for the gluon parton distribution in the proton

Monday 29 August 2022 11:30 (30 minutes)

Presenter: BUCCELLA, Franco (Unknown)

Contribution ID: 299

Type: **not specified**

Searches for Supersymmetry with the ATLAS and CMS detectors

Saturday 3 September 2022 11:30 (30 minutes)

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

Contribution ID: **300**

Type: **not specified**

The MoEDAL-MAPP experiment - expanding the LHC's discovery horizon at Run-3 and beyond

Sunday 28 August 2022 17:00 (30 minutes)

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

Contribution ID: **301**

Type: **not specified**

Testing Bell inequalities in $H \rightarrow \tau, \tau$ process at the ILC

Monday 29 August 2022 18:20 (30 minutes)

Presenter: SAKURAI, Kazuki (University of Warsaw)

Contribution ID: **302**

Type: **not specified**

QCD Instantons at hadron colliders

Monday 29 August 2022 17:45 (15 minutes)

Presenter: MILNE, Daniel Luke (Georg August Universitaet Goettingen (DE))

Contribution ID: **303**

Type: **not specified**

Gravitational Origin for Dark Matter

Saturday 3 September 2022 10:30 (30 minutes)

Presenter: KOLB, Rocky (University of Chicago)

Contribution ID: **304**

Type: **not specified**

Eta and Glueballs

Monday 29 August 2022 12:00 (30 minutes)

Presenter: FRERE, Jean-Marie (ULB)

Contribution ID: **305**

Type: **not specified**

BSM physics in the higgs couplings and flavour symmetries

Saturday 3 September 2022 16:00 (30 minutes)

Presenter: POKORSKI, Stefan (University of Warsaw (PL))

Contribution ID: **306**

Type: **not specified**

UV/IR mixing, misaligned supersymmetry, and the running of couplings in string theory

Tuesday 6 September 2022 09:00 (30 minutes)

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

Contribution ID: **307**

Type: **not specified**

Precise calculation of the W boson pole mass beyond the Standard Model

Wednesday 31 August 2022 16:30 (30 minutes)

Presenter: KOTLARSKI, Wojciech

Contribution ID: **308**

Type: **not specified**

Unconventional axions and ALPs

Tuesday 30 August 2022 17:00 (30 minutes)

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

Contribution ID: **309**

Type: **not specified**

Non-renormalizable interactions

Tuesday 30 August 2022 12:00 (30 minutes)

Presenter: KAZAKOV, Dmitry (JINR)

Contribution ID: **310**

Type: **not specified**

Constraints on scalar-fermion theories

Tuesday 30 August 2022 12:30 (30 minutes)

Presenter: JACK, Ian (Department of Physics (SHEP))

Contribution ID: **311**

Type: **not specified**

Probes of BSM physics using lattice QCD

Tuesday 30 August 2022 16:00 (30 minutes)

Presenter: ALEXANDROU, Constantia

Contribution ID: **312**

Type: **not specified**

The current status of epsilon_K in lattice QCD

Tuesday 30 August 2022 16:30 (30 minutes)

Presenter: LEE, Weonjong (Seoul National University)

Contribution ID: **313**

Type: **not specified**

Progress in the Standard Model precision calculations

Monday 29 August 2022 17:00 (30 minutes)

Presenter: GLUZA, Janusz (U. Silesia)

Contribution ID: 314

Type: **not specified**

Z-boson decay at the NNNLO level

Monday 29 August 2022 17:30 (15 minutes)

Presenter: GRZANKA, Krzysztof Grzegorz (University of Silesia (PL))

Contribution ID: **315**

Type: **not specified**

Meson decays into invisible ALP

Wednesday 31 August 2022 17:00 (30 minutes)

Presenter: RIGOLIN, Stefano

Contribution ID: **316**

Type: **not specified**

Old and recent puzzles in flavor physics

Wednesday 31 August 2022 10:00 (30 minutes)

Presenter: ISIDORI, Gino (University of Zurich (CH))

Contribution ID: **317**

Type: **not specified**

Leptogenesis and charged lepton flavour violation

Wednesday 31 August 2022 10:30 (30 minutes)

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

Contribution ID: **318**

Type: **not specified**

Do the small numbers in the quark mixing arise from New Physics?

Tuesday 30 August 2022 13:00 (30 minutes)

Presenter: BRANCO, Gustavo (Instituto Superior Tecnico)

Contribution ID: **319**

Type: **not specified**

Kaonic atoms at the DAFNE Collider in Italy: strangeness from accelerators to the stars

Wednesday 31 August 2022 12:30 (30 minutes)

Presenter: CURCEANU, Catalina (LNF-INFN)

Contribution ID: **320**

Type: **not specified**

Charm lifetimes

Wednesday 31 August 2022 13:00 (30 minutes)

Presenter: MELIC, Blazenka (Rudjer Boskovic Institute)

Contribution ID: **321**

Type: **not specified**

Phenomenological implications of the modular symmetry

Wednesday 31 August 2022 18:35 (30 minutes)

Presenter: YAMAMOTO, Kei

Contribution ID: **322**

Type: **not specified**

Dark matter in S3-symmetric three-Higgs-doublet model

Tuesday 30 August 2022 18:20 (15 minutes)

Presenter: KUNČINAS, Anton (CFTP/IST, U. Lisboa)

Contribution ID: **324**

Type: **not specified**

Review on neutrino physics: experiment

Friday 2 September 2022 09:00 (1 hour)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: 325

Type: **not specified**

Neutrino and Flavour Models, from the Planck Scale to the Electroweak Scale

Presenter: KING, Stephen Frederick (University of Southampton (GB))

Contribution ID: **326**

Type: **not specified**

UV sensitivity of dark matter production

Wednesday 31 August 2022 11:30 (30 minutes)

Presenter: LEBEDEV, Oleg (University of Helsinki)

Contribution ID: **327**

Type: **not specified**

Cosmic-ray anti-helium nuclei or the quest for antimatter in the Universe

Tuesday 30 August 2022 09:30 (30 minutes)

Presenter: SALATI, Pierre (LAPTh & Université de Savoie Mont Blanc)

Contribution ID: 328

Type: **not specified**

Absolute neutrino mass scale and dark matter stability from a flavour symmetry

Presenter: CEPEDELLO, Ricardo (University of Würzburg)

Contribution ID: **329**

Type: **not specified**

A flavored scoto-seesaw model for neutrino masses and mixing

Presenter: KARMAKAR, Biswajit

Contribution ID: 330

Type: **not specified**

Long-lived lightest supersymmetric particles at the LHC and MUON g-2 experiments

Saturday 3 September 2022 09:00 (30 minutes)

Presenter: MUNOZ, Carlos (Universidad Autonoma de Madrid)

Contribution ID: **331**

Type: **not specified**

The geometric muSMEFT

Tuesday 30 August 2022 11:30 (30 minutes)

Presenter: TALBERT, Jim

Contribution ID: 332

Type: **not specified**

Indirect dark-matter searches with gamma-rays experiments : status and future plans from 300 KeV to 100 TeV

Friday 2 September 2022 10:30 (30 minutes)

Presenter: MORSELLI, Aldo (INFN)

Contribution ID: 333

Type: **not specified**

Dark Energy from a New Confining Force

Monday 5 September 2022 10:30 (30 minutes)

Presenter: KIM, Jihn E. (Kyung Hee University)

Contribution ID: 334

Type: **not specified**

Higgs properties and supersymmetry

Saturday 3 September 2022 12:00 (30 minutes)

Presenter: MAHMOUDI, Nazila (Universite Claude Bernard Lyon I (FR))

Contribution ID: 335

Type: **not specified**

Subfrequency light signals of the dark sector

Saturday 3 September 2022 10:00 (30 minutes)

Presenter: LEE, Hye-Sung (KAIST)

Contribution ID: **336**

Type: **not specified**

Reconstructing heavy (anti-)neutrino oscillations at the HL-LHC

Presenter: HAJER, Jan (Universidade de Lisboa)

Contribution ID: 337

Type: **not specified**

New physics in neutrino oscillations

Tuesday 6 September 2022 18:10 (30 minutes)

Presenter: LOPEZ PAVON, Jacobo (IFIC, CSIC-Universitat de València)

Contribution ID: 338

Type: **not specified**

Is there additional dark matter?

Monday 5 September 2022 09:00 (30 minutes)

Presenter: FRAMPTON, Paul (University of Salento)

Contribution ID: **339**

Type: **not specified**

From flavour anomalies to future colliders

Monday 5 September 2022 09:30 (30 minutes)

Presenter: MARZOCCA, David (INFN Trieste)

Contribution ID: 340

Type: **not specified**

Dimensional regularization and γ_5 —no-compromise approach to the BMHV scheme

Tuesday 6 September 2022 16:30 (30 minutes)

Presenter: STOECKINGER, Dominik

Contribution ID: **341**

Type: **not specified**

Muon magnetic moment in Physics beyond the Standard Model after Fermilab Run-1

Saturday 3 September 2022 16:30 (30 minutes)

Presenter: STOECKINGER-KIM, Hyejung (TU Dresden)

Contribution ID: **342**

Type: **not specified**

Gamma Factory – New physics opportunities for CERN

Monday 5 September 2022 17:00 (30 minutes)

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

Contribution ID: 343

Type: **not specified**

Precision test of the muon-Higgs coupling at a high-energy muon collider

Tuesday 6 September 2022 13:00 (30 minutes)

Presenter: REUTER, Jürgen

Contribution ID: 344

Type: **not specified**

Higgs-boson reheating and frozen-in DM

Tuesday 6 September 2022 10:30 (30 minutes)

Presenter: GRZADKOWSKI, Bohdan

Contribution ID: 345

Type: **not specified**

Novel leptoquark pair production @LHC

Tuesday 6 September 2022 17:20 (30 minutes)

Presenter: DORŠNER, Ilja (University of Split)

Contribution ID: **346**

Type: **not specified**

Indirect detections prospects for WIMP minimal dark matter

Saturday 3 September 2022 18:35 (15 minutes)

Presenter: DONDARINI, Alessandro

Contribution ID: **347**

Type: **not specified**

Noisy SUSY

Tuesday 6 September 2022 16:00 (30 minutes)

Presenter: NICOLIS, Stam (CNRS)

Contribution ID: 348

Type: **not specified**

D-brane neutrino phenomenology

Tuesday 6 September 2022 12:00 (30 minutes)

Presenter: KOKORELIS, Christos

Contribution ID: **349**

Type: **not specified**

Electroweak phase transition and dark matter simplified models

Monday 5 September 2022 10:00 (30 minutes)

Presenter: BIONDINI, Simone (Universita e INFN (IT))

Contribution ID: **350**

Type: **not specified**

Light dark matter and its possible probes

Presenter: CHAKRABORTI, Sreemanti (LAPTh)

Contribution ID: 351

Type: **not specified**

A visible QCD axion explanation of the XENON1T excess and of $(g-2)_\mu$

Tuesday 30 August 2022 17:30 (15 minutes)

Presenter: GIOVANNI, Armando

Contribution ID: 352

Type: **not specified**

Amplification and oscillations in the power spectrum from features in the inflaton potential

Presenter: KODAXIS, George (Greek)

Contribution ID: 353

Type: **not specified**

Scale Invariance in particle physics and cosmology

Tuesday 6 September 2022 12:30 (30 minutes)

Presenter: KARAM, Alexandros (NICPB, Tallinn)

Contribution ID: 354

Type: **not specified**

Dirac, Fierz, Pauli and charged particles with spin >1

Wednesday 7 September 2022 10:30 (30 minutes)

Presenter: BENAKLI, Karim (CNRS)

Contribution ID: 355

Type: **not specified**

Clustering and visualisation tools to study high dimensional parameter spaces: B anomalies example

Saturday 3 September 2022 12:30 (30 minutes)

Presenter: VALENCIA, German (Monash University (AU))

Contribution ID: 356

Type: **not specified**

Challenges in supersymmetric cosmology

Wednesday 7 September 2022 09:30 (30 minutes)

Presenter: ANTONIADIS, Ignatios (UPMC)

Contribution ID: 357

Type: **not specified**

Physical tuning and Naturalness

Tuesday 6 September 2022 10:00 (30 minutes)

Presenter: BRANCHINA, Vincenzo

Contribution ID: 358

Type: **not specified**

A fresh look at proton decay in SUSY SU(5)

Tuesday 6 September 2022 17:00 (20 minutes)

Presenter: LAMBA, Priyanka

Contribution ID: 359

Type: **not specified**

Grand unification and the Planck scale: An $SO(10)$ example of radiative symmetry breaking

Presenter: KWAPISZ, Jan

Contribution ID: **360**

Type: **not specified**

New aspects of higher derivative theories

Saturday 3 September 2022 13:00 (30 minutes)

Presenter: ASOREY, Manuel (Universidad de Zaragoza)

Contribution ID: **361**

Type: **not specified**

Efficiently probing the SMEFT interference

Tuesday 30 August 2022 10:00 (30 minutes)

Presenter: DEGRANDE, Celine Catherine A

Contribution ID: **362**

Type: **not specified**

Hunting scalar partners of the Higgs boson at the LHC

Wednesday 7 September 2022 16:30 (30 minutes)

Presenter: POROD, Werner

Contribution ID: **363**

Type: **not specified**

The fate of horizons under quantum corrections

Tuesday 30 August 2022 09:00 (30 minutes)

Presenter: ALVAREZ, Enrique (ift-UAM/CSIC (Madrid, Spain))

Contribution ID: **364**

Type: **not specified**

News in Flavor Physics

Presenter: MARTINELLI, Guido (Sapienza Universita e INFN, Roma I (IT))

Contribution ID: **366**

Type: **not specified**

Remembering Graham Ross

Thursday 1 September 2022 18:20 (15 minutes)

Presenter: ELLIS, John (Kings College London)

Contribution ID: **367**

Type: **not specified**

Neutrinos in an SU(5) global F theory model

Wednesday 7 September 2022 11:30 (30 minutes)

Presenter: RABY, Stuart (The Ohio State University)

Contribution ID: **368**

Type: **not specified**

FIMP dark matter in heterotic M-theory

Thursday 1 September 2022 15:30 (30 minutes)

Presenter: OVRUT, Burt (University of Pennsylvania)

Contribution ID: **369**

Type: **not specified**

Muon $g-2$ in SUSY with and without stable neutralinos

Monday 5 September 2022 12:45 (15 minutes)

Presenter: MASELEK, Rafal

Contribution ID: 371

Type: **not specified**

A Reduced basis for CP violation in SMEFT at colliders and its application to Diboson production

Tuesday 30 August 2022 17:45 (15 minutes)

Presenter: TOUCHÈQUE, Julien

Contribution ID: 372

Type: **not specified**

Starobinsky-type B-L Higgs inflation Leading beyond MSSM

Tuesday 6 September 2022 09:30 (30 minutes)

Presenter: PALLIS, Constantinos (Aristotle University of Thessaloniki)

Contribution ID: 373

Type: **not specified**

A profile of a Higgs mechanism under a UV and quantum, 1st order phase transition

Monday 5 September 2022 17:30 (15 minutes)

Presenter: KOUTROULIS, Fotis (Warsaw University)

Contribution ID: 374

Type: **not specified**

On three-generation super-no-scale heterotic string models

Wednesday 7 September 2022 13:15 (30 minutes)

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

Contribution ID: 375

Type: **not specified**

The FCC Feasibility Study and Global Collaboration

Saturday 3 September 2022 17:00 (1 hour)

Presenter: TSESMELIS, Emmanuel (CERN)

Contribution ID: 376

Type: **not specified**

Multicritical point principle and electroweak scale

Wednesday 7 September 2022 09:00 (30 minutes)

Presenter: KAWAI, Hikaru

Contribution ID: 377

Type: **not specified**

ALP-SMEFT interference

Tuesday 30 August 2022 10:30 (30 minutes)

Presenter: NEUBERT, Matthias (Johannes Gutenberg University Mainz)

Contribution ID: 378

Type: **not specified**

Origin of mass scales in scale-symmetric extension of Standard Model

Wednesday 31 August 2022 18:20 (15 minutes)

Presenter: MICHALAK, Paulina

Contribution ID: 379

Type: **not specified**

Measurements of quartic coupling and vector boson scattering in ATLAS

Monday 29 August 2022 12:45 (15 minutes)

Presenter: PYATIIZBYANTSEVA, Diana

Contribution ID: **380**

Type: **not specified**

Searches for dark matter with the ATLAS and CMS detectors

Monday 5 September 2022 13:00 (30 minutes)

Presenter: NISHU, Nishu (University of Alberta (CA))

Contribution ID: **381**

Type: **not specified**

Holography in anomaly flow in orbifold gauge theory

Wednesday 7 September 2022 12:00 (30 minutes)

Presenter: HOSOTANI, Yutaka (Osaka University)

Contribution ID: **382**

Type: **not specified**

A string-inspired running-vacuum-model of cosmology and the current tensions in cosmological data

Sunday 28 August 2022 18:50 (30 minutes)

Presenter: MAVROMATOS, Nikos (University of London (GB))

Contribution ID: **383**

Type: **not specified**

Higgs boson property measurements at the ATLAS and CMS experiments

Monday 29 August 2022 10:30 (30 minutes)

Presenter: BRENNER, Lydia (Nikhef National institute for subatomic physics (NL))

Contribution ID: **384**

Type: **not specified**

Dark matter and baryogenesis from freeze-in

Tuesday 6 September 2022 11:30 (30 minutes)

Presenter: GOUDELIS, Andreas (LPTHE - Paris)

Contribution ID: **385**

Type: **not specified**

Searches for additional Higgs bosons in ATLAS

Monday 5 September 2022 12:30 (15 minutes)

Presenter: MORVAJ, Liljana

Contribution ID: **386**

Type: **not specified**

Grand Unification and W-mass

Wednesday 7 September 2022 17:00 (30 minutes)

Presenter: SENJANOVIC, Goran

Contribution ID: **387**

Type: **not specified**

Cosmological constant and equation of state of the quantum vacuum

Wednesday 7 September 2022 17:30 (30 minutes)

Presenter: SOLA, Joan (Universitat de Barcelona)

Contribution ID: **388**

Type: **not specified**

Attractor solutions and features in the power spectrum from turns in multi-field inflation

Wednesday 31 August 2022 19:05 (30 minutes)

Presenter: CHRISTODOULIDIS, Perseas (Ewha Womans Universtity)

Contribution ID: **389**

Type: **not specified**

Observation of new structures in the J/psi J/psi mass spectrum in pp collisions at $\sqrt{s} = 13\sqrt{2}\text{TeV}$

Monday 29 August 2022 12:30 (15 minutes)

Presenter: AHMAD, Muhammad (Tsinghua University (CN))

Contribution ID: 390

Type: **not specified**

Role of dark Higgs boson in DM physics and Higgs inflation

Wednesday 31 August 2022 12:00 (30 minutes)

Presenter: KO, Pyungwon (KIAS)

Contribution ID: **391**

Type: **not specified**

Dark matter from sterile-sterile neutrino mixing

Friday 2 September 2022 10:00 (30 minutes)

Presenter: DI BARI, Pasquale (University of Southampton)

Contribution ID: **392**

Type: **not specified**

tba

Presenter: TBA

Contribution ID: 393

Type: **not specified**

Hunting for new physics with leptonic $g-2$

Monday 5 September 2022 12:00 (30 minutes)

Presenter: PARADISI, Paride (University of Padova and INFN)

Contribution ID: 394

Type: **not specified**

ATLAS Inner tracker upgrade in view of HL-LHC

Monday 29 August 2022 18:50 (20 minutes)

Presenter: VAROUCHAS, Dimitris (Centre National de la Recherche Scientifique (FR), IJCLab-Orsay)

Contribution ID: 395

Type: **not specified**

Dusty dark matter bubbles of a new vacuum stopped in Earth and radiating 3.5 keV X-rays

Sunday 28 August 2022 18:20 (30 minutes)

Presenter: NIELSEN, Holger Bech (Niels Bohr Institute Theory)

Contribution ID: 396

Type: **not specified**

PT symmetry and Lefschetz thimbles

Presenter: SARKAR, sarben

Contribution ID: 397

Type: **not specified**

A nonlocal 4D Einstein Gauss Bonnet theory

Monday 5 September 2022 19:05 (30 minutes)

Presenter: CORIANO, Claudio (INFN Lecce)

Contribution ID: 398

Type: **not specified**

Collider searches for dark matter in extended Higgs sectors

Sunday 28 August 2022 17:30 (30 minutes)

Presenter: ARGYROPOULOS, Spyros (Albert Ludwigs Universitaet Freiburg (DE))

Contribution ID: 399

Type: **not specified**

Baryogenesis from the inflaton

Monday 5 September 2022 11:30 (30 minutes)

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

Contribution ID: **400**

Type: **not specified**

Analytic false-vacuum decay rate in the thin-wall approximation

Wednesday 7 September 2022 10:00 (15 minutes)

Presenter: MATTEINI, Marco (Jožef Stefan Institute)

Contribution ID: **401**

Type: **not specified**

Inflation and gravitational effective action from higher dimensions

Tuesday 6 September 2022 18:40 (30 minutes)

Presenter: KETOV, Sergey (Tokyo Metropolitan University)

Contribution ID: **402**

Type: **not specified**

A study of leptonic CP violation

Tuesday 30 August 2022 18:35 (30 minutes)

Presenter: KANG, Sin Kyu (Seoul-Tech)

Contribution ID: **403**

Type: **not specified**

New Physics signatures of interfering backgrounds

Monday 29 August 2022 13:00 (30 minutes)

Presenter: WAS, Zbigniew Andrzej (Polish Academy of Sciences (PL))

Contribution ID: **404**

Type: **not specified**

Opening

Sunday 4 September 2022 09:30 (15 minutes)

Presenter: ZOUPANOS, George

Contribution ID: **405**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 09:45 (25 minutes)

Presenter: ILIOPOULOS, Jean (ENS)

Contribution ID: **406**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 10:10 (25 minutes)

Presenter: FLORATOS, Emmanuel (Unknown)

Contribution ID: **407**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 10:35 (25 minutes)

Presenter: ZWIRNER, Fabio (University and INFN, Padova (IT))

Contribution ID: **408**

Type: **not specified**

Remembering Kounnas

Presenter: MUKHANOV, Slava

Contribution ID: **409**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 11:00 (25 minutes)

Presenter: ANTONIADIS, Ignatios (UPMC)

Contribution ID: **410**

Type: **not specified**

Remembering Kounnas

Presenter: PORRATI, Massimo (New York University (US))

Contribution ID: **411**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 12:15 (25 minutes)

Presenter: CVETIC, Mirjam (Departm.of Physics & Astronomy)

Contribution ID: **412**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 11:50 (25 minutes)

Presenter: KIRITSIS, Elias

Contribution ID: 413

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 17:40 (25 minutes)

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

Contribution ID: 414

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 16:25 (25 minutes)

Presenter: PARTOUCHE, Hervé (Ecole Polytechnique)

Contribution ID: 415

Type: **not specified**

Remembering Kounnas

Presenter: PETROPOULOS, Marios (Ecole polytechnique - CNRS)

Contribution ID: **416**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 16:50 (25 minutes)

Presenter: ANGELANTONJ, Carlo (Universita e INFN Torino (IT))

Contribution ID: **417**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 16:00 (25 minutes)

Presenter: ISRAEL, Dan (Unknown)

Contribution ID: **418**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 18:05 (25 minutes)

Presenter: FLORAKIS, Ioannis (University of Ioannina (GR))

Contribution ID: **419**

Type: **not specified**

Remembering Kounnas

Sunday 4 September 2022 18:30 (25 minutes)

Presenter: BACHAS, Konstantinos (Aristotle University of Thessaloniki)

Contribution ID: 420

Type: **not specified**

Vector dark matter via a fermionic portal from a new gauge sector

Saturday 3 September 2022 09:30 (30 minutes)

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

Contribution ID: 421

Type: **not specified**

Stability of Yang Mills vacuum state

Wednesday 7 September 2022 16:00 (30 minutes)

Presenter: SAVVIDIS, Georgios (Nat. Cent. for Sci. Res. Demokritos (GR))

Contribution ID: 422

Type: **not specified**

Searches for new phenomena in leptonic final states using the ATLAS detector

Saturday 3 September 2022 18:20 (15 minutes)

Presenter: WILBERN, Daniel (University of Oklahoma (US))

Contribution ID: 423

Type: **not specified**

Correspondence of topological classification between quantum graph extra dimension and topological matter

Monday 5 September 2022 18:50 (15 minutes)

Presenter: INOUE, Tomonori

Contribution ID: 424

Type: **not specified**

10^{20} Hz stochastic gravitational wave

Monday 5 September 2022 17:45 (15 minutes)

Presenter: KAISHU, Saito

Contribution ID: 425

Type: **not specified**

False vacuum decay in a two-dimensional black hole spacetime

Saturday 3 September 2022 18:50 (15 minutes)

Presenter: MIYACHI, Taiga

Contribution ID: 426

Type: **not specified**

Quasinormal modes of black holes in nonlinear electrodynamics

Wednesday 7 September 2022 12:30 (15 minutes)

Presenter: NOMURA, Kimihiro

Contribution ID: **427**

Type: **not specified**

Gravitational positivity bounds on dark photons

Wednesday 7 September 2022 10:15 (15 minutes)

Presenter: SATO, Sota

Contribution ID: 428

Type: **not specified**

Index theorem on T^2/Z_2 orbifold with magnetic flux

Wednesday 7 September 2022 12:45 (15 minutes)

Presenter: TAKEUCHI, Maki

Contribution ID: 429

Type: **not specified**

String excitation by initial singularity of Inflation

Wednesday 7 September 2022 13:00 (15 minutes)

Presenter: NISHII, Kanji

Contribution ID: 430

Type: **not specified**

A complete model of cosmology and particle physics scales

Friday 2 September 2022 12:00 (15 minutes)

Presenter: RAIDAL, Martti (National Institute of Chemical Physics and Biophysics (EE))

Contribution ID: 431

Type: **not specified**

Axion dark matter search

Friday 2 September 2022 11:30 (30 minutes)

Presenter: YOUN, SungWoo (Institute for Basic Science)

Contribution ID: **432**

Type: **not specified**

Closing

Presenter: ZOUPANOS, George (National Technical Univ. of Athens (GR))

Contribution ID: 433

Type: **not specified**

Closing

Wednesday 7 September 2022 18:00 (5 minutes)

Presenter: ZOUPANOS, George (National Technical Univ. of Athens (GR))

Contribution ID: 434

Type: **not specified**

3 - 4 short talks

Sunday 4 September 2022 12:40 (30 minutes)

Presenter: ?