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1 17. August

1.1 Lectures

Convenor INSERT CHAIRMEN

05.30 - 06.10 35+5 min.	David Edward Bruschi (University of York) <i>Elements and applications of Relativistic Quantum Information</i>
06.10 - 06.50 35+5 min.	Gordon Semenoff (University of York) <i>Infrared Quantum Information</i>
06.50 - 07.30 35+5 min.	Dmitry Gorbunov (INR of RAS) <i>Gravity Wave signatures of Electroweak Phase Transition in Split NMSSM</i>
08.00 - 08.40 35+5 min.	Nikos Mavromatos (University of London (GB)) <i>Self-Interacting Dark Matter, Right-Handed Neutrinos and Small-Scale Cosmology “Crisis”</i>
08.40 - 09.20 35+5 min.	Atlas (University of London (GB)) <i>Collider searches for DM (ATLAS+CMS)</i>
11.30 - 12.10 35+5 min.	Vladimir Zelevinsky (Michigan State University) <i>Chaotic Quantum Many-Body Systems and Philosophy of Thermalization</i>
12.10 - 12.50 35+5 min.	Boris Kopeliovich (UTFSM) <i>Fragmentation of highly virtual partons</i>
12.50 - 13.30 35+5 min.	Laszlo Csernai (UTFSM) <i>Advances in Relativistic Fluid Dynamics, Observables, and Applications</i>
13.30 - 14.10 35+5 min.	Evgeny Zabrodin (SINP MSU (RU) and University of Oslo (NO)) <i>Fluctuations and correlations</i>

2 18. August

2.1 Special Session on QCD

Convenor INSERT CHAIRMEN

06.00 - 06.30 25+5 min.	Willibald Plessas (University of Graz) <i>Pion-Dressing Effects in Nucleon and Delta Masses and Form Factors</i>
06.30 - 07.00 25+5 min.	Hugo Reinhardt (72076 Tbingen") <i>Hamiltonian approach to QCD in Coulomb gauge</i>
07.00 - 07.30 25+5 min.	Mario Mitter (University of Graz) <i>Quark, gluon and meson correlators of unquenched QCD</i>
12.00 - 12.30 25+5 min.	Christian Schubert (UMSNH) <i>Form factor decompositions of the QCD four-gluon vertex</i>
12.30 - 13.00 25+5 min.	James Edwards (Universidad Michoacana de San Nicols de Hidalgo) <i>Worldline colour fields and non-Abelian quantum field theory</i>
13.30 - 14.00 25+5 min.	Leonid Glozman (University of Graz) <i>$SU(2N_F)$ symmetry of confinement in QCD and its observation at high T</i>
14.00 - 14.30 25+5 min.	Thierry Grandou ("UMR-CNRS-7010) <i>Effective locality and non-abelian gauge-invariance</i>
14.30 - 15.00 25+5 min.	Ryo Yoshiike (Kyoto university) <i>Non-linear effect of the fluctuation for the inhomogeneous chiral phase transition</i>

2.2 W. Greiner Memorial Session

Convenor INSERT CHAIRMEN

08.00 - 08.30 25+5 min.	Dirk Rischke (University Frankfurt) <i>Anisotropic dissipative fluid dynamics</i>
08.30 - 09.00 25+5 min.	Carsten Greiner (University of Frankfurt) <i>Comparison of hydrodynamical and transport theoretical calculations for $p+A$ and $A+A$ collisions</i>
09.00 - 09.30 25+5 min.	Gottfried Mnzenberg (GSI Darmstadt) <i>Super Heavy Elements - experimental developments</i>
09.30 - 10.00 25+5 min.	Igor Mishustin ("Frankfurt Institute for Advanced Studies) <i>Greiner and exotic matter</i>
10.00 - 10.30 25+5 min.	Mikhail Itkis (joint institute for nuclear research) <i>Experimental investigation of fusion-fission mechanisms for superheavy nuclei</i>

2.3 Mini-workshop on Highly Ionising Avatars of New Physics

Convenor INSERT CHAIRMEN

06.00 - 06.30 25+5 min.	Wim De Boer (KIT - Karlsruhe Institute of Technology (DE)) <i>Perspectives on Detection of supersymmetric Dark Matter</i>
06.30 - 07.00 25+5 min.	Yongmin Cho (Konkuk University) <i>Cosmic Electroweak Monopole</i>
07.00 - 07.30 25+5 min.	John Ellis (University of Graz) <i>LHC Constraint on Light-by-light Scattering, Born-Infeld theory and the mass of an Electroweak Monopole</i>
08.00 - 08.30 25+5 min.	Sarben Sarkar (King's College London) <i>Magnetic Monopoles from Global Monopoles in the presence of a Kalb-Ramond Field</i>
08.30 - 09.00 25+5 min.	Laura Patrizii ("Universita e INFN) <i>Status of the searches for Magnetic Monopoles</i>
09.00 - 09.30 25+5 min.	Frederik Lauber (IceCube) <i>Magnetic monopole searches with IceCube</i>
09.30 - 10.00 25+5 min.	Adrian Bevan (Queen Mary University of London (GB)) <i>Searching for monopoles in polar ice samples</i>
12.00 - 12.30 25+5 min.	James Pinfold (University of Alberta (CA)) <i>The MoEDAL Experiment Past, Present and Future.</i>
12.30 - 13.00 25+5 min.	Richard Soluk (University of Alberta (CA)) <i>The MoEDAL Detector at the LHC</i>
14.00 - 14.30 25+5 min.	Igor Ostrovskiy ("UMR-CNRS-7010) <i>Searching for magnetic monopoles with Solid State Breakdown Counters: from LHC to Space</i>
14.30 - 15.00 25+5 min.	Oliver Gould (Imperial College London) <i>Magnetic monopole production in heavy ion collisions</i>
15.10 - 15.40 25+5 min.	Jonathan Hays (University of London (GB)) <i>Machine LEarning, Monopoles and MoEDAL</i>
15.40 - 16.10 25+5 min.	Daniela Bauer (Imperial College (GB)) <i>Distributed Computing for Small Collaborations</i>
16.10 - 16.30 15+5 min.	Arka Santra (Univ. of Valencia and CSIC (ES)) <i>Magnetic monopole production in photon fusion process.</i>

16.30 - 17.00 Vasiliki Mitsou, Oscar Manuel Vives Garcia, Kazuki Sakurai, Roberto
Ruiz De Austri (Univ. of Valencia and CSIC (ES))
25+5 min. *Long-lived charged supersymmetric particles and MoEDAL*

3 19. August

3.1 Parallel session

Convenor INSERT CHAIRMEN

12.00 - 12.30 25+5 min.	Atlas (Joint Institute for Nuclear Research (RU)) <i>Electron and Photon ID</i>
12.00 - 12.30 25+5 min.	Viktor Riabov (Petersburg Nuclear Physics Institut (RU)) <i>Resonance production in Pb-Pb collisions measured with the ALICE experiments at the LHC</i>
12.30 - 13.00 25+5 min.	Cristina Bedda (Utrecht University (NL)) <i>Measurements of D-meson production in p-Pb and Pb-Pb collisions with the ALICE detector at the LHC</i>
12.30 - 13.00 25+5 min.	Samuel Louis Bein (Hamburg University (DE)) <i>CMS Search for new physics in events with jets, b-tagged jets, and large missing transverse momentum in the all-hadronic channel at $s = 13$ TeV</i>
13.30 - 14.00 25+5 min.	Maria Vasileiou (National and Kapodistrian University of Athens (GR)) <i>Transverse momentum spectra and nuclear modification factors of identified charged hadrons in p-Pb and Pb-Pb collisions at $s_{NN} = 5.02$ TeV with ALICE</i>
13.30 - 13.50 15+5 min.	Atlas (National and Kapodistrian University of Athens (GR)) <i>Inclusive searches for squarks and gluinos with the ATLAS detector</i>
13.50 - 14.15 20+5 min.	Athina Kourkouveli-charalambidi ("Institute of Modern Physics) <i>Searches for electroweak production of supersymmetric gauginos and sleptons with the ATLAS detector</i>
14.00 - 14.30 25+5 min.	Agnieszka uszczak (DESY @Cracow University of Technology) <i>Dipole model analysis of highest precision HERA data, including very low Q^2</i>
14.00 - 14.30 25+5 min.	Varvara Batozskaya (National Centre for Nuclear Research (PL)) <i>Measurements of the CP violating phase ϕ_{1s} at LHCb</i>
14.15 - 14.45 25+5 min.	Sergey Polikarpov (National Research Nuclear University MEPhI (RU)) <i>Recent CMS B physics results</i>
14.30 - 15.00 25+5 min.	Evgeni Kolomeitsev (Matej Bel University) <i>Fluctuations in non-ideal pion gas with dynamically fixed particle number</i>

3.2 Special session on Astro-Cosmo-Gravity

Convenor INSERT CHAIRMEN

12.00 - 12.30 Violetta Sagun (CENTRA/BITP)
25+5 min. *Neutron stars equation of state consistent with high-energy nuclear physics data*

13.30 - 14.00 Alexandros Gezerlis ("Institute of Modern Physics)
25+5 min. *Strongly interacting matter in neutron stars*

3.3 B Heavy Ion Physics Session

Convenor INSERT CHAIRMEN

15.00 - 15.30

Sergei Voloshin (Wayne State University (US))

25+5 min.

Vorticity and global polarization in heavy ion collisions

3.4 Mini-Workshop on Latest Results and New Physics in the Higgs Sector

Convenor INSERT CHAIRMEN

05.30 - 05.55 20+5 min.	Maxime Gouzevitch (Universite Claude Bernard-Lyon I (FR)) <i>Introduction to the Mini-Workshop on Latest Results and New Physics in the Higgs Sector</i>
05.55 - 06.25 25+5 min.	Atlas (Universite Claude Bernard-Lyon I (FR)) <i>BEH overview (ATLAS)</i>
06.30 - 07.00 25+5 min.	Anna Kropivnitskaya (The University of Kansas (US)) <i>Higgs parameters measurement with CMS data</i>
07.00 - 07.30 25+5 min.	Atlas ("ITP") <i>Measurement of cross sections and couplings of the Higgs Boson in fermionic production and decay modes with the ATLAS detector</i>
08.00 - 08.30 25+5 min.	Valeria Botta (Deutsches Elektronen-Synchrotron (DE)) <i>Measurements of the Higgs $H(125)$ boson at CMS</i>
08.30 - 08.55 20+5 min.	Asma Hadeef, Asma Hadeef (Joint Institute for Nuclear Research) <i>$t\bar{t}H$ Coupling Measurement with the ATLAS Detector at the LHC</i>
08.55 - 09.25 25+5 min.	Oleg Lebedev (University of Helsinki) <i>The Higgs and cosmology</i>
09.25 - 09.55 25+5 min.	Junquan Tao ("Institute of High Energy Physics") <i>Search for rare and exotic Higgs Boson decay modes at CMS</i>
09.55 - 10.25 25+5 min.	Atlas (Joint Institute for Nuclear Research (RU)) <i>Search for rare and exotic Higgs Boson decay modes and Higgs boson pair production with the ATLAS detector</i>
12.00 - 12.30 25+5 min.	Pier Paolo Giardino (Brookhaven National Laboratory) <i>Single Higgs production at LHC as a probe for anomalous Higgs self coupling</i>
12.30 - 13.00 25+5 min.	Konstantin Androsof (INFN Pisa (IT)) <i>Search for new physics in HH final state in CMS</i>
13.30 - 14.00 25+5 min.	Atlas (National and Kapodistrian University of Athens (GR)) <i>Search for neutral and charged BSM Higgs Bosons with the ATLAS detector</i>
14.00 - 14.30	Luca Panizzi (INFN Genova (Italy))

25+5 min.	<i>Phenomenological scenarios to fit a possible excess in the di-muon + jets channel</i>
14.30 - 15.00 25+5 min.	Luigi Marchese (University of Oxford (GB)) <i>Measurement of $Z \rightarrow b\bar{b}$ cross section and search for Higgs-like particle produced in association with b quarks at CDF</i>
15.00 - 15.30 25+5 min.	Justin Andrew Williams (The University of Kansas (US)) <i>Search for Anomalous Quartic Photon Coupling at the LHC</i>

4 21. August

4.1 Poster session

Convenor INSERT CHAIRMEN

16.30 - 17.30 55+5 min.	Frederic Lassiaille (FL research) <i>Surrounding matter theory</i>
16.30 - 17.30 55+5 min.	Hexi Shi (Frascati (RM) Italy”) <i>Search for the violation of Pauli principle at LNGS - first physics result of VIP2 experiment</i>
16.30 - 17.00 25+5 min.	Andre Sopczak (Czech Technical University (CZ)) <i>ttH Coupling Measurement with the ATLAS Detector at the LHC</i>
16.30 - 17.30 55+5 min.	Wim De Boer (KIT - Karlsruhe Institute of Technology (DE)) <i>Molecular Clouds as the Origin of the Gamma-Ray GeV excess</i>
16.30 - 17.30 55+5 min.	Marjan Abbasipour (Iran University of Science and Technology) <i>Modification of Material Surface by Plasma</i>
16.30 - 17.30 55+5 min.	Igor Bulzhenkov (Moscow Institute of Physics and Technology) <i>Gravity until equipartition of relativistic kinetic energies.</i>
16.30 - 17.30 55+5 min.	Timur Kamalov (Moscow Institute of Physics and Technology) <i>Quantum Correction for Newtons Law of Motion</i>
16.30 - 17.30 55+5 min.	Chhanda Samanta (Virginia Military Institute) <i>A-dependence of $\Lambda\Lambda$-bond and charge symmetry energies</i>
16.30 - 17.30 55+5 min.	Shihan Sajeed (University of waterloo) <i>Insecurity of detector-device-independent quantum key distribution</i>
16.30 - 17.30 55+5 min.	Luigi Marchese, Luigi Marchese (University of waterloo) <i>muon performance</i>
16.30 - 17.30 55+5 min.	Alessandro Romito (Lancaster University) <i>Thermodynamics along individual trajectories of a quantum bit</i>
16.30 - 17.30 55+5 min.	Jorge Bernal Arroyo (Lancaster University) <i>New Mathematical Formulation of the Correspondence Principle</i>
16.30 - 17.30 55+5 min.	Gopinath Kamath (Indian Institute of Technology Tirupati) <i>Cylindrical symmetry: II. The Greens function in 3 + 1 dimensional curved space</i>
16.30 - 17.30	Luis Gonzalez-mestres (John Naisbitt University)

55+5 min.	<i>New particles and nonstandard new Physics</i>
16.30 - 17.30 55+5 min.	Valerio Mascagna (Sezione di Pavia) <i>Experimental technique for \bar{p}-nucleus annihilation cross section measurements at low energy</i>
16.30 - 17.30 55+5 min.	Luca Venturelli (Sezione di Pavia) <i>Antiproton-nucleus annihilation cross section at low energy</i>
16.30 - 17.30 55+5 min.	Christian Farnese ("INFN) <i>The new front end and DAQ of the ICARUS detector</i>
16.30 - 17.30 55+5 min.	Ryan Parker (University of York) <i>Hybrid Photonic Loss Resilient Entanglement Swapping</i>
16.30 - 17.30 55+5 min.	Virendrasinh H. Kher, Nayneshkumar Devlani, Ajay Kumar Rai (University of York) <i>Radiative transitions and the mixing parameters of the D meson</i>
16.30 - 17.30 55+5 min.	Zalak Marfatia, Ajay Kumar Rai (University of York) <i>Heavy baryon spectroscopy in Hypercentral constituent quark model</i>
16.30 - 17.30 55+5 min.	Adam Balcerzak (University of Szczecin) <i>Varying constants quantum cosmologies</i>
16.30 - 17.30 55+5 min.	Yifan Cheng ("Academia Sinica) <i>Possible Approach to Dynamical Supersymmetry Breaking via Nambu–Jona-Lasinio Model</i>
16.30 - 17.30 55+5 min.	Georgios Karathanasis (National and Kapodistrian University of Athens (GR)) <i>The new CMS Barrel Muon Track Finder</i>
16.30 - 17.30 55+5 min.	Alexander Joan Cristo Jurez-domnguez (Benemrita Universidad Autonoma de Puebla) <i>Quantization Aspects of a Hypercomplex Field</i>
16.30 - 17.30 55+5 min.	Swagata Mukherjee (Rheinisch-Westfaelische Tech. Hoch. (DE)) <i>Search for R-parity violating supersymmetry and Quantum black-holes in $e+\mu$ final state in CMS</i>
16.30 - 17.30 55+5 min.	mer Bayraktar (Max Planck Institute for the Science of Light) <i>Experimental Relativistic Quantum Information with a Geostationary Satellite</i>
16.30 - 17.30	Andrea Lavagno ("Politecnico di Torino)

55+5 min.	<i>Nuclear phase transition and thermodynamic instabilities in dense nuclear matter</i>
16.30 - 17.30	Mohammad M. Qaemmaqami (Institute for Research in Fundamental Sciences (IPM))
55+5 min.	<i>On the Butterfly Effect in 3D Gravity</i>
16.30 - 17.30	Anna Stakia (CERN)
55+5 min.	<i>Search for supersymmetry in events with one lepton, multiple jets and missing transverse momentum in proton-proton collisions at $s = 13$ TeV</i>
16.30 - 17.30	Anna Stakia (CERN)
55+5 min.	<i>Jet-flavour tagging using deep-learning in the CMS experiment</i>
16.30 - 17.30	Ralf Seidl (RIKEN)
55+5 min.	<i>Latest results on azimuthal anisotropy at RHIC-PHENIX</i>
17.00 - 17.30	Elisaveta Zhrebtsova (National Research Nuclei University MEPhI)
25+5 min.	<i>Procedure for event characterization in Pb-Pb collisions at 40A GeV in the NA49 experiment at CERN SPS</i>
17.10 - 17.30	Laszlo Csernai (National Research Nuclei University MEPhI)
15+5 min.	<i>Applications of Advances in Relativistic Fluid Dynamics to Laser Fusion</i>
17.10 - 17.30	Cristiano Sebastiani ("Sapienza Universita e INFN)
15+5 min.	<i>Search for displaced lepton jets with the ATLAS experiment</i>
17.10 - 17.30	Oleksii Ivanytskyi (BITP)
15+5 min.	<i>On bimodal size distribution of spin clusters in the one-dimensional Ising model</i>

4.2 A Particle Physics

Convenor INSERT CHAIRMEN

05.30 - 06.00 25+5 min.	John Ellis (The University of Kansas (US)) <i>What Physics Beyond the Standard Model?</i>
06.00 - 06.30 25+5 min.	Malgorzata Kazana (NCBJ Warsaw (PL)) <i>CMS Overview</i>
06.30 - 07.00 25+5 min.	Atlas (NCBJ Warsaw (PL)) <i>ATLAS overview highlight talk</i>
07.00 - 07.30 25+5 min.	Yasmine Sarah Amhis (NCBJ Warsaw (PL)) <i>LHCb overview</i>
08.00 - 08.30 25+5 min.	Vladimir Gligorov (Centre National de la Recherche Scientifique (FR)) <i>Flavourful roads to New Physics</i>
08.30 - 09.00 25+5 min.	Rainer Mankel (Deutsches Elektronen-Synchrotron (DE)) <i>ATLAS and CMS prospects for Higgs measurements and searches at the high luminosity LHC</i>
09.00 - 09.30 25+5 min.	Marek Karliner (Tel Aviv University (IL)) <i>Prediction and discovery of doubly-heavy baryon</i>

4.3 C Quantum Optics and Quantum Information

Convenor INSERT CHAIRMEN

15.00 - 15.50

Avshalom Elitzur (Iyar)

45+5 min.

Would Nega-Particles Prove to be Essential Ingredients of Quantum Reality?

4.4 Special Session on Instruments and Methods in HEP

Convenor INSERT CHAIRMEN

10.00 - 10.30 25+5 min.	Silvio Donato (Universitaet Zuerich (CH)) <i>Overview talk on trigger performances (CMS)</i>
12.00 - 12.50 45+5 min.	Nicolas Berger (LAPP Annecy (CNRS/IN2P3)) <i>Lecture on Statistical analysis methods by ATLAS</i>
13.30 - 14.00 25+5 min.	Thomas Josua Mettler (Universitaet Bern (CH)) <i>The Short Baseline Neutrino Detector at Fermilab</i>
14.00 - 14.30 25+5 min.	Antonio Sbrizzi ("Universita e INFN) <i>The LUCID-2 detector</i>
14.30 - 15.00 25+5 min.	Murat Ali Guler (University of St Andrews) <i>Directional dark matter search with nuclear emulsion</i>

4.5 Workshop on continuous variables and quantum information

Convenor INSERT CHAIRMEN

08.00 - 08.30 25+5 min.	Maria Chekhova (Max-Planck Institute for the Science of Light) <i>Phase supersensitivity in an unbalanced $SU(1,1)$ interferometer</i>
08.30 - 09.00 25+5 min.	U L Andersen (Max-Planck Institute for the Science of Light) <i>Squeezed light enhanced sensing of a micro-mechanical oscillator</i>
09.00 - 09.30 25+5 min.	Radim Filip (Palacky University in Olomouc) <i>Highly nonlinear quantum optics and optomechanics</i>
09.30 - 10.00 25+5 min.	Christian Ralf Mller (Tel Aviv University (IL)) <i>From Quantum-Limited Measurements towards Quantum Squeezing Detection over Satellite Links</i>
12.00 - 12.20 15+5 min.	Vladimir Shevchenko (University of Glasgow) <i>Quantum measurements in finite space-time domain</i>
12.20 - 12.40 15+5 min.	Aurelian Isar ("National Institute of Physics and Nuclear Engineering) <i>Dynamics of quantum correlations in two-mode Gaussian open quantum systems</i>
12.40 - 13.00 15+5 min.	Mihaescu Tatiana (KVI-CART/University of Groningen) <i>Gaussian quantum steering of two bosonic modes in a squeezed thermal environment</i>
13.30 - 14.00 25+5 min.	Ladislav Mista (Palacky University) <i>Gaussian intrinsic entanglement</i>
14.00 - 14.30 25+5 min.	Petros Wallden (University of Edinburgh) <i>Relativistic and Device Independent Verifiable Quantum Computation</i>
14.30 - 14.50 15+5 min.	Matthew Thornton (University of St Andrews) <i>Gigahertz quantum signatures compatible with telecommunication technologies</i>
14.50 - 15.10 15+5 min.	Tom Douce (Universit Pierre et Marie Curie) <i>Quantum advantage and fault tolerant universal quantum computing in continuous variables</i>

4.6 Workshop on Exotic Hadrons

Convenor INSERT CHAIRMEN

12.00 - 12.30 25+5 min.	Dominik Werthmüller (University of Glasgow) <i>Exotic Baryons at MAMI</i>
12.30 - 13.00 25+5 min.	Johan Messchendorp (KVI-CART/University of Groningen) <i>Prospects for Exotic Hadron Spectroscopy at PANDA</i>
13.30 - 14.10 35+5 min.	Jianbin Jiao (Shandong University) <i>light exotic hadrons at BESIII</i>
14.10 - 14.40 25+5 min.	Hideko Nagahiro (Nara Women's University) <i>Structure of excited charmed baryons studied by pion emission decays</i>
14.40 - 15.00 15+5 min.	Atsushi Hosaka (Osaka University) <i>Heavy hadron production for the study of their structure</i>
15.00 - 15.40 35+5 min.	H. Noumi (Universit� Pierre et Marie Curie) <i>Strange and Charm Baryon Spectroscopy at J-PARC</i>
15.40 - 16.00 15+5 min.	Milena Piotrowska (Jan Kochanowski University) <i>Excited vector mesons: phenomenology and predictions for a yet unknown vector $\bar{s}s$ state with a mass of about 1.93 GeV</i>

4.7 S. Belyaev Memorial Session

Convenor INSERT CHAIRMEN

12.00 - 12.30 25+5 min.	Vladimir Zelevinsky (Michigan State University) <i>Introduction</i>
12.30 - 13.00 25+5 min.	Peter Ring (Technical University Munich) <i>Covariant density functionals in nuclear physics and their microscopic origin.</i>
13.30 - 14.00 25+5 min.	Michael Urin (Universitaet Bern (CH)) <i>DAMPING OF SIMPLE MODES OF HIGH-ENERGY NUCLEAR EXCITATIONS</i>
14.00 - 14.30 25+5 min.	Elena Litvinova (Western Michigan University) <i>Isospin dynamics in nuclear structure</i>
14.30 - 15.00 25+5 min.	Oleg Sushkov (University of New South Wales) <i>Bose condensation of triplons in quantum magnets</i>

5 22. August

5.1 Session on Physics Education and Outreach

Convenor INSERT CHAIRMEN

12.00 - 12.25 20+5 min.	Mina Katramatou (Kent State University) <i>Active Learning Teaching for Introductory Physics</i>
12.25 - 12.50 20+5 min.	Gerassimos Petratos (Kent State University) <i>Trends in Undergraduate Physics Education in the US</i>
13.30 - 13.55 20+5 min.	Georgios Fanourakis (Nat. Cent. for Sci. Res. Demokritos (GR)) <i>The European Researchers' Night: concepts and impact</i>
13.55 - 14.20 20+5 min.	Helen Gourlay (Brunel University) <i>Learning about A Level Physics students understandings of particle physics using concept mapping</i>
14.20 - 14.45 20+5 min.	Antonios Leisos (Aristotle University of Thessalonki (GR)) <i>The Hellenic Open University Cosmic Ray Telescope: Research and Educational Activities</i>
14.45 - 15.10 20+5 min.	Lazaros Merakos (Greek Universities Network) <i>Opening up Greek Universities: opencourses.gr</i>

5.2 Public talk

Convenor INSERT CHAIRMEN

16.30 - 17.30

John Ellis ("INFN)

55+5 min.

What are we? Where do we come from? Where are we going?

6 23. August

6.1 Workshop on Quantum Foundations and Quantum Information

Convenor INSERT CHAIRMEN

11.45 - 12.00 10+5 min.	(University of Bonn (DE)) <i>Opening words</i>
12.00 - 12.30 25+5 min.	Alessandro Romito (Lancaster University) <i>Ubiquitous non-local entanglement with Majorana bound states</i>
12.30 - 13.00 25+5 min.	Yutaka Shikano (The University of Tokyo) <i>Quantum Dynamical Simulation by Quantum Walk</i>
13.30 - 14.00 25+5 min.	Lajos Diosi (Wigner Research Centre for Physics) <i>Pure state post-selection is universal</i>
14.00 - 14.30 25+5 min.	Angelo Bassi (Department of Physics - University of Trieste) <i>Wave function collapse and gravity</i>
14.30 - 15.00 25+5 min.	Ron Folman (Ben-Gurion University of the Negev) <i>Matter waves exposed to the external world: Decoherence, gravity, complementarity and time irreversibility</i>
15.00 - 15.30 25+5 min.	Andrea Alberti (University of Bonn) <i>Testing the superposition principle with individual trapped atoms</i>

6.2 Joint Quantum Session

Convenor INSERT CHAIRMEN

08.00 - 08.30 25+5 min.	Lorenzo Maccone (Institute for Nuclear Research) <i>Quantum time mechanism, towards quantum spacetime</i>
08.30 - 09.00 25+5 min.	Ralf Schuetzhold (University Duisburg-Essen) <i>Fundamental quantum effects in the laboratory?</i>
09.30 - 10.00 25+5 min.	Yuval Gefen (Konkuk University) <i>Manifestation and Detection of Discord in Nanostructures</i>

7 24. August

7.1 D Astroparticle, Cosmology,d Gravity, Math Phys

Convenor INSERT CHAIRMEN

10.00 - 10.30	Mario Buscemi ("Universit di Catania)
25+5 min.	<i>The Pierre Auger Observatory: latest results and future perspectives</i>

7.2 H. Oeschler Memorial Session

Convenor INSERT CHAIRMEN

12.00 - 12.30 25+5 min.	Jean Cleymans (University of Cape Town (ZA)) <i>Helmut Oeschler and Particle Chemistry in Heavy Ion Collisions</i>
12.30 - 13.00 25+5 min.	Krzysztof Redlich (University of Wroclaw (PL)) <i>Linking the particle yields data in HIC and lattice QCD results</i>
13.30 - 14.00 25+5 min.	Natasha Sharma (Hacettepe University) <i>Light flavour particle production in ALICE at LHC</i>
14.00 - 14.30 25+5 min.	Unknown Unknown (Hacettepe University) <i>Probing resonance matter with HADES</i>
14.30 - 15.00 25+5 min.	Lokesh Kumar ("University of Washington) <i>Recent results on light hadron production from STAR TBC</i>

7.3 Workshop on Physics at FAIR-NICA-SPS-BES/RHIC

Convenor INSERT CHAIRMEN

06.30 - 07.00 25+5 min.	Yu. B. Ivanov (RIKEN) <i>Three-fluid Hydrodynamics-based Event Simulator Extended by UrQMD final State interactions (THESEUS) for FAIR-NICA-SPS-BES/RHIC energies</i>
07.00 - 07.30 25+5 min.	Hanna Zbroszczyk (Warsaw University Of Technology) <i>Two-particle correlations using THERMINATOR model for BES program</i>
08.00 - 08.30 25+5 min.	Kyrill Bugaev ("Bogolyubov Institute for Theoretical Physics) <i>Probing the tricritical endpoint of QCD phase diagram at NICA-FAIR energies</i>
08.30 - 09.00 25+5 min.	Oleksii Ivanytskyi (BITP) <i>Separate freeze-out of strange particles and the quark-hadron phase transition</i>
09.30 - 10.00 25+5 min.	Antoni Marcinek (Polish Academy of Sciences (PL)) <i>New Baryonic and Mesonic Observables from NA61/SHINE</i>
12.00 - 12.30 25+5 min.	Andrej Kugler ("Nuclear Physics Institute) <i>Flow at SIS energies - overview of SIS18 results and prospect for SIS100</i>
12.30 - 13.00 25+5 min.	Chi Yang (Shandong University) <i>The STAR detector upgrade and future plan</i>

7.4 Workshop on NCG

Convenor INSERT CHAIRMEN

05.30 - 06.10 35+5 min.	Latham Boyle (Perimeter Institute) <i>What is the standard model of particle physics trying to tell us?</i>
06.10 - 06.50 35+5 min.	Nadir Bizi (UPMC (Paris VI)) <i>A Noncommutative Geometry inspired GUT</i>
06.50 - 07.30 35+5 min.	Shane Farnsworth (Max-Planck Institute for Gravitational Physics) <i>Applications of non-associative geometry in particle physics</i>
08.00 - 08.40 35+5 min.	Koen Van Den Dungen (SISSA) <i>Families of spectral triples and foliations of spacetime</i>
08.40 - 09.20 35+5 min.	Tomasz Miller (Warsaw University of Technology) <i>Causal relations in noncommutative spacetime</i>
09.20 - 10.00 35+5 min.	Nicolas Franco (University of Namur) <i>Physical models from noncommutative causality</i>
12.00 - 12.40 35+5 min.	Anna Pachol (Queen Mary University of London) <i>Introduction to noncommutative digital geometry</i>
13.30 - 14.10 35+5 min.	Christopher Fritz (Sussex University) <i>Noncommutative Spherically Symmetric Spacetimes at Semicalssical Order</i>

8 25. August

8.1 Mini-workshop: Correlations and Fluctuations in Relativistic Heavy Ion Collisions

Convenor INSERT CHAIRMEN

09.30 - 10.00	Ewa Maksymiuk (Jan Kochanowski University)
25+5 min.	<i>Equations of anisotropic hydrodynamics for quark and gluon fluids</i>

9 28. August

9.1 Workshop on Future of Fundamental Physics

Convenor INSERT CHAIRMEN

05.30 - 06.15 40+5 min.	John William Womersley (University of Arizona) <i>The challenges of large infrastructure physics projects in the 21st century</i>
06.15 - 06.55 35+5 min.	Jie Gao ("Institute of High Energy Physics) <i>The CEPC/SppC project: status and challenges</i>
06.55 - 07.30 30+5 min.	Davide Gamba (CERN) <i>Status and plans of the Compact Linear Collider project</i>
08.00 - 08.35 30+5 min.	Erik Adli (University of Oslo (NO)) <i>AWAKE: the proton-driven plasma wakefield accelerator experiment at CERN</i>
08.35 - 09.10 30+5 min.	Mario Antonelli (INFN e Laboratori Nazionali di Frascati (IT)) <i>Low emittance muon beam for multi-TeV muon collider</i>
12.00 - 12.30 25+5 min.	Amarjit Soni (BNL) <i>Advances in Direct CP violation</i>
12.30 - 13.00 25+5 min.	Giulia Ricciardi (Univ. Napoli Federico II) <i>Tensions in the flavour sector</i>

9.2 Workshop on (Super)gravity, String theory and Related Topics

Convenor INSERT CHAIRMEN

08.00 - 08.10	Augusto Sagnotti (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))
05+5 min.	<i>TBA</i>
08.10 - 08.55	Nikos Irges (National Technical University of Athens)
40+5 min.	<i>Non-perturbative Gauge-Higgs Unification</i>
08.55 - 09.40	Silvia Nagy (University of Nottingham)
40+5 min.	<i>Supergravity as Yang-Mills squared: from classical to quantum</i>
09.40 - 10.25	Fabio Riccioni (INFN - National Institute for Nuclear Physics)
40+5 min.	<i>TBA</i>
12.00 - 13.00	Paolo Natoli (Universit di Ferrara)
55+5 min.	<i>TBA</i>
13.30 - 14.15	Andrea Campoleoni (Universit Libre de Bruxelles)
40+5 min.	<i>Higher spins in 3D: from AdS to flat space</i>
14.15 - 15.00	Alessandro Tomasiello (Milan Bicocca University)
40+5 min.	<i>Recent progress on M5-branes at singularities</i>

9.3 Interdisciplinary Session

Convenor INSERT CHAIRMEN

14.00 - 14.30

Georgios Pavlos (Democritus University of Thrace)

25+5 min.

Complexity and unification in Physical theory