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17th of August

17.1 Social events

08.25 - 08.30	Welcome	0 h 0 min
19.00 - 20.30	Culture event and talk by Katerina Karkala in the Church of OAC	1 h 30 min
21.00 - 22.00	Talk history of Crete in the veranda by Emanuela Larentzakis	1 h 0 min

17.2 Lectures

Convenor INSERT CHAIRMEN

08.30 - 09.10 35+5 min.	David Edward Bruschi (University of York) <i>Elements and applications of Relativistic Quantum Information</i>	
09.10 - 09.50 35+5 min.	Gordon Semenoff (University of York) <i>Infrared Quantum Information</i>	
09.50 - 10.30 35+5 min.	Dmitry Gorbunov (INR of RAS) <i>Gravity Wave signatures of Electroweak Phase Transition in Split NMSSM</i>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.40 35+5 min.	Nikos Mavromatos (University of London (GB)) <i>Self-Interacting Dark Matter, Right-Handed Neutrinos and Small-Scale Cosmology “Crisis”</i>	
11.40 - 12.20 35+5 min.	Atlas (University of London (GB)) <i>Collider searches for DM (ATLAS+CMS)</i>	
13.00 - 14.30	Lunch	1 h 30 min
14.30 - 15.10 35+5 min.	Vladimir Zelevinsky (Michigan State University) <i>Chaotic Quantum Many-Body Systems and Philosophy of Thermalization</i>	
15.10 - 15.50 35+5 min.	Boris Kopeliovich (UTFSM) <i>Fragmentation of highly virtual partons</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.10 35+5 min.	Laszlo Csernai (UTFSM) <i>Advances in Relativistic Fluid Dynamics, Observables, and Applications</i>	
17.10 - 17.50 35+5 min.	Evgeny Zabrodin (SINP MSU (RU) and University of Oslo (NO)) <i>Fluctuations and correlations</i>	
20.30 - 21.15	Dinner	45 min

18th of August

18.1 Social events

08.15 - 08.30	Welcome from organizers	0 h 15 min
08.30 - 08.45	Welcome from the director of OAC - Dr. Zormpas Konstantinos	0 h 15 min
08.45 - 09.00	Welcome from Emanuela Larentzakis	0 h 15 min
09.00 - 09.45	Memorial lecture dedicated to Ludvig Faddeev	0 h 45 min
20.45 - 21.15	Concert of classical music	0 h 30 min

18.2 Special Session on QCD

Convenor INSERT CHAIRMEN

09.00 - 09.30 25+5 min.	Willibald Plessas (University of Graz) <i>Pion-Dressing Effects in Nucleon and Delta Masses and Form Factors</i>	
09.30 - 10.00 25+5 min.	Hugo Reinhardt (72076 Tbingen") <i>Hamiltonian approach to QCD in Coulomb gauge</i>	
10.00 - 10.30 25+5 min.	Mario Mitter (University of Graz) <i>Quark, gluon and meson correlators of unquenched QCD</i>	
10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Christian Schubert (UMSNH) <i>Form factor decompositions of the QCD four-gluon vertex</i>	
15.30 - 16.00 25+5 min.	James Edwards (Universidad Michoacana de San Nicols de Hidalgo) <i>Worldline colour fields and non-Abelian quantum field theory</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.00 25+5 min.	Leonid Glozman (University of Graz) <i>$SU(2N_F)$ symmetry of confinement in QCD and its observation at high T</i>	
17.00 - 17.30 25+5 min.	Thierry Grandou ("UMR-CNRS-7010) <i>Effective locality and non-abelian gauge-invariance</i>	
17.30 - 18.00 25+5 min.	Ryo Yoshiike (Kyoto university) <i>Non-linear effect of the fluctuation for the inhomogeneous chiral phase transition</i>	
20.30 - 21.30	Dinner	1 h 00 min

18.3 W. Greiner Memorial Session

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Dirk Rischke (University Frankfurt) <i>Anisotropic dissipative fluid dynamics</i>	
11.30 - 12.00 25+5 min.	Carsten Greiner (University of Frankfurt) <i>Comparison of hydrodynamical and transport theoretical calculations for $p+A$ and $A+A$ collisions</i>	
12.00 - 12.30 25+5 min.	Gottfried Mnzenberg (GSI Darmstadt) <i>Super Heavy Elements - experimental developments</i>	
12.30 - 13.00 25+5 min.	Igor Mishustin ("Frankfurt Institute for Advanced Studies) <i>Greiner and exotic matter</i>	
13.00 - 13.30 25+5 min.	Mikhail Itkis (joint institute for nuclear research) <i>Experimental investigation of fusion-fission mechanisms for superheavy nuclei</i>	
13.30 - 15.00	Lunch	1 h 30 min
16.00 - 16.30	Coffee	30 min
20.30 - 21.30	Dinner	1 h 00 min

18.4 Mini-workshop on Highly Ionising Avatars of New Physics

Convenor INSERT CHAIRMEN

09.00 - 09.30 25+5 min.	Wim De Boer (KIT - Karlsruhe Institute of Technology (DE)) <i>Perspectives on Detection of supersymmetric Dark Matter</i>	
09.30 - 10.00 25+5 min.	Yongmin Cho (Konkuk University) <i>Cosmic Electroweak Monopole</i>	
10.00 - 10.30 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>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Sarben Sarkar (King's College London) <i>Magnetic Monopoles from Global Monopoles in the presence of a Kalb-Ramond Field</i>	
11.30 - 12.00 25+5 min.	Laura Patrizii ("Universita e INFN) <i>Status of the searches for Magnetic Monopoles</i>	
12.00 - 12.30 25+5 min.	Frederik Lauber (IceCube) <i>Magnetic monopole searches with IceCube</i>	
12.30 - 13.00 25+5 min.	Adrian Bevan (Queen Mary University of London (GB)) <i>Searching for monopoles in polar ice samples</i>	
13.00 - 13.30 25+5 min.	Oliver Gould (Imperial College London) <i>Magnetic monopole production in heavy ion collisions</i>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	James Pinfold (University of Alberta (CA)) <i>The MoEDAL Experiment Past, Present and Future.</i>	
15.30 - 16.00 25+5 min.	Richard Soluk (University of Alberta (CA)) <i>The MoEDAL Detector at the LHC</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.00 25+5 min.	Igor Ostrovskiy (University of Graz) <i>Searching for magnetic monopoles with Solid State Breakdown Counters: from LHC to Space</i>	

17.00 - 17.30 25+5 min.	Jonathan Hays (University of London (GB)) <i>Machine LEarning, Monopoles and MoEDAL</i>	
17.30 - 18.00 25+5 min.	Daniela Bauer (Imperial College (GB)) <i>Distributed Computing for Small Collaborations</i>	
18.10 - 18.40 25+5 min.	Arka Santra (Univ. of Valencia and CSIC (ES)) <i>Magnetic monopole production in photon fusion process.</i>	
18.40 - 19.10 25+5 min.	Vasiliki Mitsou, Oscar Manuel Vives Garcia, Kazuki Sakurai, Roberto Ruiz De Austri (Univ. of Valencia and CSIC (ES)) <i>Long-lived charged supersymmetric particles and MoEDAL</i>	
20.30 - 21.30	Dinner	1 h 00 min

19th of August

19.1 Social events

19.00 - 20.30 **Culture event**

0 h 30 min

19.2 Parallel session

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Atlas (Joint Institute for Nuclear Research (RU)) <i>Electron and Photon ID</i>	
15.00 - 15.30 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>	
15.30 - 16.00 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>	
15.30 - 16.00 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>	
16.00 - 16.30	Coffee	30 min
16.30 - 16.50 15+5 min.	Atlas (National and Kapodistrian University of Athens (GR)) <i>Inclusive searches for squarks and gluinos with the ATLAS detector</i>	
16.30 - 17.00 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>	
16.50 - 17.15 20+5 min.	Athina Kourkoumeli-charalambidi ("Institute of Modern Physics) <i>Searches for electroweak production of supersymmetric gauginos and sleptons with the ATLAS detector</i>	
17.00 - 17.30 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>	
17.00 - 17.30 25+5 min.	Varvara Batozskaya (National Centre for Nuclear Research (PL)) <i>Measurements of the CP violating phase ϕ_{1-s} at LHCb</i>	

17.15 - 17.45 25+5 min.	Sergey Polikarpov (National Research Nuclear University MEPhI (RU)) <i>Recent CMS B physics results</i>	
17.30 - 18.00 25+5 min.	Evgeni Kolomeitsev (Matej Bel University) <i>Fluctuations in non-ideal pion gas with dynamically fixed particle number</i>	
20.30 - 21.30	Dinner	1 h 00 min

19.3 Special session on Astro-Cosmo-Gravity

Convenor INSERT CHAIRMEN		
10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Violetta Sagun (CENTRA/BITP) <i>Neutron stars equation of state consistent with high-energy nuclear physics data</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.00 25+5 min.	Alexandros Gezerlis ("Institute of Modern Physics) <i>Strongly interacting matter in neutron stars</i>	
20.30 - 21.30	Dinner	1 h 00 min

19.4 B Heavy Ion Physics Session

		Convenor INSERT CHAIRMEN	
10.30 - 11.00	Coffee		30 min
13.30 - 15.00	Lunch		1 h 30 min
16.00 - 16.30	Coffee		30 min
18.00 - 18.30 25+5 min.	Sergei Voloshin (Wayne State University (US)) <i>Vorticity and global polarization in heavy ion collisions</i>		
20.30 - 21.30	Dinner		1 h 00 min

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

Convenor INSERT CHAIRMEN

08.30 - 08.55 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>	
08.55 - 09.25 25+5 min.	Atlas (Universite Claude Bernard-Lyon I (FR)) <i>BEH overview (ATLAS)</i>	
09.30 - 10.00 25+5 min.	Anna Kropivnitskaya (The University of Kansas (US)) <i>Higgs parameters measurement with CMS data</i>	
10.00 - 10.30 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>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Valeria Botta (Deutsches Elektronen-Synchrotron (DE)) <i>Measurements of the Higgs $H(125)$ boson at CMS</i>	
11.30 - 11.55 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>	
11.55 - 12.25 25+5 min.	Oleg Lebedev (University of Helsinki) <i>The Higgs and cosmology</i>	
12.25 - 12.55 25+5 min.	Junquan Tao ("Institute of High Energy Physics") <i>Search for rare and exotic Higgs Boson decay modes at CMS</i>	
12.55 - 13.25 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>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Pier Paolo Giardino (Brookhaven National Laboratory) <i>Single Higgs production at LHC as a probe for anomalous Higgs self coupling</i>	
15.30 - 16.00 25+5 min.	Konstantin Androsov (INFN Pisa (IT)) <i>Search for new physics in HH final state in CMS</i>	

16.00 - 16.30	Coffee	30 min
16.30 - 17.00 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>	
17.00 - 17.30 25+5 min.	Luca Panizzi (INFN Genova (Italy)) <i>Phenomenological scenarios to fit a possible excess in the di-muon + jets channel</i>	
17.30 - 18.00 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>	
18.00 - 18.30 25+5 min.	Justin Andrew Williams (The University of Kansas (US)) <i>Search for Anomalous Quartic Photon Coupling at the LHC</i>	
20.30 - 21.30	Dinner	1 h 00 min

20th of August

20.1 Social events

06.00 - 17.00	Excursion 1	11 h 0 min
06.00 - 17.00	Excursion 2	11 h 0 min
10.30 - 17.00	Excursion 3	6 h 30 min

21th of August

21.1 Social events

20.00 - 21.00	Buffet and wine tasting	1 h 0 min
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21.00 - 22.00	Concert	1 h 0 min
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21.2 Poster session

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
16.00 - 16.30	Coffee	30 min
20.00 - 20.30 25+5 min.	Andre Sopczak (Czech Technical University (CZ)) <i>ttH Coupling Measurement with the ATLAS Detector at the LHC</i>	
20.00 - 21.00 55+5 min.	Frederic Lassaille (FL research) <i>Surrounding matter theory</i>	
20.00 - 21.00 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>	
20.00 - 21.00 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>	
20.00 - 21.00 55+5 min.	Marjan Abbasipour (Iran University of Science and Technology) <i>Modification of Material Surface by Plasma</i>	
20.00 - 21.00 55+5 min.	Igor Bulzhenkov (Moscow Institute of Physics and Technology) <i>Gravity until equipartition of relativistic kinetic energies.</i>	
20.00 - 21.00 55+5 min.	Timur Kamalov (Moscow Institute of Physics and Technology) <i>Quantum Correction for Newtons Law of Motion</i>	
20.00 - 21.00 55+5 min.	Chhanda Samanta (Virginia Military Institute) <i>A-dependence of $\Lambda\Lambda$-bond and charge symmetry energies</i>	
20.00 - 21.00 55+5 min.	Shihan Sajeed (University of waterloo) <i>Insecurity of detector-device-independent quantum key distribution</i>	
20.00 - 21.00 55+5 min.	Luigi Marchese, Luigi Marchese (University of waterloo) <i>muon performance</i>	
20.00 - 21.00 55+5 min.	Alessandro Romito (Lancaster University) <i>Thermodynamics along individual trajectories of a quantum bit</i>	

20.00 - 21.00 55+5 min.	Jorge Bernal Arroyo (Lancaster University) <i>New Mathematical Formulation of the Correspondence Principle</i>
20.00 - 21.00 55+5 min.	Gopinath Kamath (Indian Institute of Technology Tirupati) <i>Cylindrical symmetry: II. The Greens function in 3 + 1 dimensional curved space</i>
20.00 - 21.00 55+5 min.	Luis Gonzalez-mestres (John Naisbitt University) <i>New particles and nonstandard new Physics</i>
20.00 - 21.00 55+5 min.	Valerio Mascagna (Sezione di Pavia) <i>Experimental technique for \bar{p}-nucleus annihilation cross section measurements at low energy</i>
20.00 - 21.00 55+5 min.	Luca Venturelli (Sezione di Pavia) <i>Antiproton-nucleus annihilation cross section at low energy</i>
20.00 - 21.00 55+5 min.	Christian Farnese ("INFN) <i>The new front end and DAQ of the ICARUS detector</i>
20.00 - 21.00 55+5 min.	Ryan Parker ("INFN) <i>Hybrid Photonic Loss Resilient Entanglement Swapping</i>
20.00 - 21.00 55+5 min.	Virendrasinh H. Kher, Nayneshkumar Devlani, Ajay Kumar Rai ("INFN) <i>Radiative transitions and the mixing parameters of the D meson</i>
20.00 - 21.00 55+5 min.	Zalak Marfatia, Ajay Kumar Rai ("INFN) <i>Heavy baryon spectroscopy in Hypercentral constituent quark model</i>
20.00 - 21.00 55+5 min.	Adam Balcerzak (University of Szczecin) <i>Varying constants quantum cosmologies</i>
20.00 - 21.00 55+5 min.	Yifan Cheng ("Academia Sinica) <i>Possible Approach to Dynamical Supersymmetry Breaking via Nambu–Jona-Lasinio Model</i>
20.00 - 21.00 55+5 min.	Georgios Karathanasis (National and Kapodistrian University of Athens (GR)) <i>The new CMS Barrel Muon Track Finder</i>
20.00 - 21.00 55+5 min.	Alexander Joan Cristo Jurez-domnguez (Benemrita Universidad Autonoma de Puebla) <i>Quantization Aspects of a Hypercomplex Field</i>
20.00 - 21.00	Swagata Mukherjee (Rheinisch-Westfaelische Tech. Hoch. (DE))

55+5 min.	<i>Search for R-parity violating supersymmetry and Quantum black-holes in e+mu final state in CMS</i>
20.00 - 21.00 55+5 min.	mer Bayraktar (Max Planck Institute for the Science of Light) <i>Experimental Relativistic Quantum Information with a Geostationary Satellite</i>
20.00 - 21.00 55+5 min.	Andrea Lavagno ("Politecnico di Torino) <i>Nuclear phase transition and thermodynamic instabilities in dense nuclear matter</i>
20.00 - 21.00 55+5 min.	Mohammad M. Qaemmaqami (Institute for Research in Fundamental Sciences (IPM)) <i>On the Butterfly Effect in 3D Gravity</i>
20.00 - 21.00 55+5 min.	Anna Stakia (CERN) <i>Search for supersymmetry in events with one lepton, multiple jets and missing transverse momentum in proton-proton collisions at $s = 13$ TeV</i>
20.00 - 21.00 55+5 min.	Anna Stakia (CERN) <i>Jet-flavour tagging using deep-learning in the CMS experiment</i>
20.00 - 21.00 55+5 min.	Ralf Seidl (RIKEN) <i>Latest results on azimuthal anisotropy at RHIC-PHENIX</i>
20.30 - 21.00 25+5 min.	Elisaveta Zhrebtsova (National Research Nuclei University MEPhI) <i>Procedure for event characterization in Pb-Pb collisions at 40A GeV in the NA49 experiment at CERN SPS</i>
20.40 - 21.00 15+5 min.	Laszlo Csernai (National Research Nuclei University MEPhI) <i>Applications of Advances in Relativistic Fluid Dynamics to Laser Fusion</i>
20.40 - 21.00 15+5 min.	Cristiano Sebastiani ("Sapienza Universita e INFN) <i>Search for displaced lepton jets with the ATLAS experiment</i>
20.40 - 21.00 15+5 min.	Oleksii Ivanytskyi (BITP) <i>On bimodal size distribution of spin clusters in the one-dimensional Ising model</i>

21.3 A Particle Physics

Convenor INSERT CHAIRMEN

08.30 - 09.00 25+5 min.	John Ellis (The University of Kansas (US)) <i>What Physics Beyond the Standard Model?</i>	
09.00 - 09.30 25+5 min.	Malgorzata Kazana (NCBJ Warsaw (PL)) <i>CMS Overview</i>	
09.30 - 10.00 25+5 min.	Atlas (NCBJ Warsaw (PL)) <i>ATLAS overview highlight talk</i>	
10.00 - 10.30 25+5 min.	Yasmine Sarah Amhis (NCBJ Warsaw (PL)) <i>LHCb overview</i>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Vladimir Gligorov (Centre National de la Recherche Scientifique (FR)) <i>Flavourful roads to New Physics</i>	
11.30 - 12.00 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>	
12.00 - 12.30 25+5 min.	Marek Karliner (Tel Aviv University (IL)) <i>Prediction and discovery of doubly-heavy baryon</i>	
13.30 - 15.00	Lunch	1 h 30 min
16.00 - 16.30	Coffee	30 min

21.4 C Quantum Optics and Quantum Information

		Convenor INSERT CHAIRMEN	
10.30 - 11.00	Coffee		30 min
13.30 - 15.00	Lunch		1 h 30 min
16.00 - 16.30	Coffee		30 min
18.00 - 18.50 45+5 min.	Avshalom Elitzur (Iyar) <i>Would Nega-Particles Prove to be Essential Ingredients of Quantum Reality?</i>		

21.5 Workshop on continuous variables and quantum information

		Convenor INSERT CHAIRMEN	
10.30 - 11.00	Coffee		30 min
13.00 - 13.30 25+5 min.	Silvio Donato (Universitaet Zuerich (CH)) <i>Overview talk on trigger performances (CMS)</i>		
13.30 - 15.00	Lunch		1 h 30 min
15.00 - 15.50 45+5 min.	Nicolas Berger (LAPP Annecy (CNRS/IN2P3)) <i>Lecture on Statistical analysis methods by ATLAS</i>		
16.00 - 16.30	Coffee		30 min
16.30 - 17.00 25+5 min.	Thomas Josua Mettler (Universitaet Bern (CH)) <i>The Short Baseline Neutrino Detector at Fermilab</i>		
17.00 - 17.30 25+5 min.	Antonio Sbrizzi ("Universita e INFN) <i>The LUCID-2 detector</i>		
17.30 - 18.00 25+5 min.	Murat Ali Guler (University of St Andrews) <i>Directional dark matter search with nuclear emulsion</i>		

21.6 Workshop on Exotic Hadrons

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Maria Chekhova (Max-Planck Institute for the Science of Light) <i>Phase supersensitivity in an unbalanced $SU(1,1)$ interferometer</i>	
11.30 - 12.00 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>	
12.00 - 12.30 25+5 min.	Radim Filip (Palacky University in Olomouc) <i>Highly nonlinear quantum optics and optomechanics</i>	
12.30 - 13.00 25+5 min.	Christian Ralf Mller (Tel Aviv University (IL)) <i>From Quantum-Limited Measurements towards Quantum Squeezing Detection over Satellite Links</i>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.20 15+5 min.	Vladimir Shevchenko (University of Glasgow) <i>Quantum measurements in finite space-time domain</i>	
15.20 - 15.40 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>	
15.40 - 16.00 15+5 min.	Mihaescu Tatiana (KVI-CART/University of Groningen) <i>Gaussian quantum steering of two bosonic modes in a squeezed thermal environment</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.00 25+5 min.	Ladislav Mista (Palacky University) <i>Gaussian intrinsic entanglement</i>	
17.00 - 17.30 25+5 min.	Petros Wallden (University of Edinburgh) <i>Relativistic and Device Independent Verifiable Quantum Computation</i>	
17.30 - 17.50 15+5 min.	Matthew Thornton (University of St Andrews) <i>Gigahertz quantum signatures compatible with telecommunication technologies</i>	

17.50 - 18.10	Tom Douce (Universit Pierre et Marie Curie)
15+5 min.	<i>Quantum advantage and fault tolerant universal quantum computing in continuous variables</i>

21.7 Workshop on Future of Fundamental Physics

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Dominik Werthmüller (University of Glasgow) <i>Exotic Baryons at MAMI</i>	
15.30 - 16.00 25+5 min.	Johan Messchendorp (KVI-CART/University of Groningen) <i>Prospects for Exotic Hadron Spectroscopy at PANDA</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.10 35+5 min.	Jianbin Jiao (Shandong University) <i>light exotic hadrons at BESIII</i>	
17.10 - 17.40 25+5 min.	Hideko Nagahiro (Nara Women's University) <i>Structure of excited charmed baryons studied by pion emission decays</i>	
17.40 - 18.00 15+5 min.	Atsushi Hosaka (Osaka University) <i>Heavy hadron production for the study of their structure</i>	
18.00 - 18.40 35+5 min.	H. Noumi (Universit Pierre et Marie Curie) <i>Strange and Charm Baryon Spectroscopy at J-PARC</i>	
18.40 - 19.00 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>	

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

Convenor INSERT CHAIRMEN

10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Vladimir Zelevinsky (Michigan State University) <i>Introduction</i>	
15.30 - 16.00 25+5 min.	Peter Ring (Technical University Munich) <i>Covariant density functionals in nuclear physics and their microscopic origin.</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.00 25+5 min.	Michael Urin (Universitaet Bern (CH)) <i>DAMPING OF SIMPLE MODES OF HIGH-ENERGY NUCLEAR EXCITATIONS</i>	
17.00 - 17.30 25+5 min.	Elena Litvinova (Western Michigan University) <i>Isospin dynamics in nuclear structure</i>	
17.30 - 18.00 25+5 min.	Oleg Sushkov (University of New South Wales) <i>Bose condensation of triplons in quantum magnets</i>	

22th of August

22.1 Social events

19.00 - 19.30 Concert of classical music

0 h 30 min

22.2 Session on Physics Education and Outreach

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
13.40 - 15.00	Lunch	1 h 20 min
15.00 - 15.25 20+5 min.	Mina Katramatou (Kent State University) <i>Active Learning Teaching for Introductory Physics</i>	
15.25 - 15.50 20+5 min.	Gerassimos Petratos (Kent State University) <i>Trends in Undergraduate Physics Education in the US</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 16.55 20+5 min.	Georgios Fanourakis (Nat. Cent. for Sci. Res. Demokritos (GR)) <i>The European Researchers' Night: concepts and impact</i>	
16.55 - 17.20 20+5 min.	Helen Gourlay (Brunel University) <i>Learning about A Level Physics students understandings of particle physics using concept mapping</i>	
17.20 - 17.45 20+5 min.	Antonios Leisos (Aristotle University of Thessalonki (GR)) <i>The Hellenic Open University Cosmic Ray Telescope: Research and Educational Activities</i>	
17.45 - 18.10 20+5 min.	Lazaros Merakos (Greek Universities Network) <i>Opening up Greek Universities: opencourses.gr</i>	
20.30 - 21.30	Dinner	1 h 00 min

22.3 Public talk

		Convenor INSERT CHAIRMEN	
10.30 - 11.00	Coffee		30 min
13.40 - 15.00	Lunch		1 h 20 min
16.00 - 16.30	Coffee		30 min
19.30 - 20.30	John Ellis ("INFN)		
55+5 min.	<i>What are we? Where do we come from? Where are we going?</i>		
20.30 - 21.30	Dinner		1 h 00 min

23th of August

23.1 Workshop on Quantum Foundations and Quantum Information

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
13.30 - 14.45	Lunch	1 h 15 min
14.45 - 15.00 10+5 min.	(University of Bonn (DE)) <i>Opening words</i>	
15.00 - 15.30 25+5 min.	Alessandro Romito (Lancaster University) <i>Ubiquitous non-local entanglement with Majorana bound states</i>	
15.30 - 16.00 25+5 min.	Yutaka Shikano (The University of Tokyo) <i>Quantum Dynamical Simulation by Quantum Walk</i>	
16.00 - 16.00	Coffee	00 min
16.30 - 17.00 25+5 min.	Lajos Diosi (Wigner Research Centre for Physics) <i>Pure state post-selection is universal</i>	
17.00 - 17.30 25+5 min.	Angelo Bassi (Department of Physics - University of Trieste) <i>Wave function collapse and gravity</i>	
17.30 - 18.00 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>	
18.00 - 18.30 25+5 min.	Andrea Alberti ("Institut für Angewandte Physik) <i>Testing the superposition principle with individual trapped atoms</i>	
20.30 - 23.30	Dinner	3 h 00 min

23.2 Joint Quantum Session

Convenor INSERT CHAIRMEN		
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Lorenzo Maccone (Instituto de Física Corpuscular) <i>Quantum time mechanism, towards quantum spacetime</i>	
11.30 - 12.00 25+5 min.	Ralf Schuetzhold (University Duisburg-Essen) <i>Fundamental quantum effects in the laboratory?</i>	
12.00 - 12.30 25+5 min.	Yuval Gefen (University of Science and Technology of China) <i>Manifestation and Detection of Discord in Nanostructures</i>	
13.30 - 14.45	Lunch	1 h 15 min
16.00 - 16.00	Coffee	00 min
20.30 - 23.30	Dinner	3 h 00 min

24th of August

24.1 Social events

21.30 - 22.30 Opera gala

1 h 0 min

24.2 D Astroparticle, Cosmology,d Gravity, Math Phys

		Convenor INSERT CHAIRMEN	
10.30 - 11.00	Coffee		30 min
13.00 - 13.30 25+5 min.	Mario Buscemi ("Universit di Catania) <i>The Pierre Auger Observatory: latest results and future perspectives</i>		
13.30 - 15.00	Lunch		1 h 30 min
16.00 - 16.30	Coffee		30 min
20.30 - 21.30	Dinner		1 h 00 min

24.3 H. Oeschler Memorial Session

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Jean Cleymans (University of Cape Town (ZA)) <i>Helmut Oeschler and Particle Chemistry in Heavy Ion Collisions</i>	
15.30 - 16.00 25+5 min.	Krzysztof Redlich (University of Wroclaw (PL)) <i>Linking the particle yields data in HIC and lattice QCD results</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.00 25+5 min.	Unknown Unknown (University of Wroclaw (PL)) <i>Probing resonance matter with HADES</i>	
20.30 - 21.30	Dinner	1 h 00 min

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

Convenor INSERT CHAIRMEN

09.30 - 10.00 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>	
10.00 - 10.30 25+5 min.	Hanna Zbroszczyk (Warsaw University Of Technology) <i>Two-particle correlations using THERMINATOR model for BES program</i>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.30 25+5 min.	Kyrill Bugaev ("Bogolyubov Institute for Theoretical Physics) <i>Probing the tricritical endpoint of QCD phase diagram at NICA-FAIR energies</i>	
11.30 - 12.00 25+5 min.	Oleksii Ivanytskyi (BITP) <i>Separate freeze-out of strange particles and the quark-hadron phase transition</i>	
12.00 - 12.30 25+5 min.	Antoni Marcinek (Polish Academy of Sciences (PL)) <i>New Baryonic and Mesonic Observables from NA61/SHINE</i>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Andrej Kugler ("Nuclear Physics Institute) <i>Flow at SIS energies - overview of SIS18 results and prospect for SIS100</i>	
15.30 - 16.00 25+5 min.	Chi Yang (Shandong University) <i>The STAR detector upgrade and future plan</i>	
16.00 - 16.30	Coffee	30 min
20.30 - 21.30	Dinner	1 h 00 min

24.5 Workshop on NCG

Convenor INSERT CHAIRMEN

08.30 - 09.10 35+5 min.	Latham Boyle (Perimeter Institute) <i>What is the standard model of particle physics trying to tell us?</i>	
09.10 - 09.50 35+5 min.	Nadir Bizi (UPMC (Paris VI)) <i>A Noncommutative Geometry inspired GUT</i>	
09.50 - 10.30 35+5 min.	Shane Farnsworth (Max-Planck Institute for Gravitational Physics) <i>Applications of non-associative geometry in particle physics</i>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.40 35+5 min.	Koen Van Den Dungen (SISSA) <i>Families of spectral triples and foliations of spacetime</i>	
11.40 - 12.20 35+5 min.	Tomasz Miller (Warsaw University of Technology) <i>Causal relations in noncommutative spacetime</i>	
12.20 - 13.00 35+5 min.	Nicolas Franco (University of Namur) <i>Physical models from noncommutative causality</i>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.40 35+5 min.	Anna Pachol (Queen Mary University of London) <i>Introduction to noncommutative digital geometry</i>	
16.00 - 16.30	Coffee	30 min
16.30 - 17.10 35+5 min.	Christopher Fritz (Sussex University) <i>Noncommutative Spherically Symmetric Spacetimes at Semicalssical Order</i>	
20.30 - 21.30	Dinner	1 h 00 min

25th of August

25.1 Social events

16.00 - 20.30	Excursion in Chania	4 h 30 min
20.30 - 21.00	Concert of classical music in Great Arsenal of Chania	0 h 30 min
21.45 - 23.30	Excursion 4	1 h 45 min

25.2 Special Session on Instruments and Methods in HEP

		Convenor INSERT CHAIRMEN	
10.30 - 11.00	Coffee		30 min
11.00 - 11.30 25+5 min.	You Zhou (University of Copenhagen (DK)) <i>Correlations of anisotropic flow in relativistic heavy-ion collisions at the LHC</i>		
11.30 - 12.00 25+5 min.	Grigory Nigmatkulov (National Research Nuclear University MEPhI) <i>Pion and kaon Bose-Einstein correlations from the BES program at STAR</i>		
12.00 - 12.30 25+5 min.	Ewa Maksymiuk (Jan Kochanowski University) <i>Equations of anisotropic hydrodynamics for quark and gluon fluids</i>		
13.30 - 14.30	Lunch		1 h 00 min
15.35 - 16.00	Coffee		25 min

26th of August

26.1 Social events

18.00 - 20.30	Cultural event with Classical Music	2 h 30 min
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21.30 - 22.30	Concert of classical music	1 h 0 min
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27th of August

27.1 Social events

09.00 - 16.00

Excursion 5

5 h 0 min

28th of August

28.1 Social events

21.30 - 22.30 **Concert**

1 h 0 min

28.2 S. Belyaev Memorial Session

Convenor INSERT CHAIRMEN

08.30 - 09.15 40+5 min.	John William Womersley (IFIN-HH) <i>The challenges of large infrastructure physics projects in the 21st century</i>	
09.15 - 09.55 35+5 min.	Jie Gao ("Institute of High Energy Physics) <i>The CEPC/SppC project: status and challenges</i>	
09.55 - 10.30 30+5 min.	Davide Gamba (CERN) <i>Status and plans of the Compact Linear Collider project</i>	
10.30 - 11.00	Coffee	30 min
11.00 - 11.35 30+5 min.	Erik Adli (University of Oslo (NO)) <i>AWAKE: the proton-driven plasma wakefield accelerator experiment at CERN</i>	
11.35 - 12.10 30+5 min.	Mario Antonelli (INFN e Laboratori Nazionali di Frascati (IT)) <i>Low emittance muon beam for multi-TeV muon collider</i>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 15.30 25+5 min.	Amarjit Soni (BNL) <i>Advances in Direct CP violation</i>	
15.30 - 16.00 25+5 min.	Giulia Ricciardi (Univ. Napoli Federico II) <i>Tensions in the flavour sector</i>	
16.00 - 16.30	Coffee	30 min
20.30 - 21.30	Dinner	1 h 00 min

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

		Convenor INSERT CHAIRMEN
10.30 - 11.00	Coffee	30 min
11.00 - 11.10	Augusto Sagnotti (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))	
05+5 min.	<i>Introduction</i>	
11.10 - 11.55	Nikos Irges (National Technical University of Athens)	
40+5 min.	<i>Non-perturbative Gauge-Higgs Unification</i>	
11.55 - 12.40	Silvia Nagy (University of Nottingham)	
40+5 min.	<i>Supergravity as Yang-Mills squared: from classical to quantum</i>	
12.40 - 13.25	Fabio Riccioni (INFN - National Institute for Nuclear Physics)	
40+5 min.	<i>Exotic branes and non-geometric fluxes in string theory</i>	
13.30 - 15.00	Lunch	1 h 30 min
15.00 - 16.00	Paolo Natoli (Universit di Ferrara)	
55+5 min.	<i>Cosmology with PLANCK: exploring the early Universe via the CMB</i>	
16.00 - 16.30	Coffee	30 min
17.15 - 18.00	Andrea Campoleoni (Universit Libre de Bruxelles)	
40+5 min.	<i>Higher spins in 3D: from AdS to flat space</i>	
18.00 - 18.45	Alessandro Tomasiello (Milan Bicocca University)	
40+5 min.	<i>Recent progress on M5-branes at singularities</i>	
20.30 - 21.30	Dinner	1 h 00 min

28.4 Interdisciplinary Session

Convenor INSERT CHAIRMEN

17.00 - 17.30

Georgios Pavlos (Democritus University of Thrace)

25+5 min.

Complexity and unification in Physical theory

29th of August

29.1 Social events

18.00 - 18.30 **Closing of conference**

0 h 30 min