

6th International Conference on New Frontiers in Physics (ICNFP2017)

Thursday, 17 August 2017 - Tuesday, 29 August 2017

Programme

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Thursday 17 August 2017

Welcome (17 Aug 2017, 08:25-08:30)

Lectures: Session 1 (17 Aug 2017, 08:30-10:30)

-Conveners: **Kopeliovich, Boris (UTFSM)**

time	[id] title	presenter
08:30	[1465] Elements and applications of Relativistic Quantum Information (40 minutes)	BRUSCHI, David Edward (University of York)
09:10	[1521] Infrared Quantum Information (40 minutes)	SEMENOFF, Gordon (University of British Columbia)
09:50	[1230] Gravity Wave signatures of Electroweak Phase Transition in Split NMSSM (40 minutes)	Prof. GORBUNOV, Dmitry

Coffee (10:30-11:00)

Lectures: Session 2 (17 Aug 2017, 11:00-13:00)

-Conveners: **Gorbunov, Dmitry (Russian Academy of Sciences (RU))**

time	[id] title	presenter
11:00	[973] Self-Interacting Dark Matter, Right-Handed Neutrinos and Small-Scale Cosmology ``Crisis" (40 minutes)	Prof. MAVROMATOS, Nikos (King's College London, University of London (GB))
11:40	[979] Collider searches for DM (ATLAS+CMS) (40 minutes)	ROZEN, Yoram

Lunch (13:00-14:30)

Lectures: Session 3 (17 Aug 2017, 14:30-15:50)

-Conveners: **Sorin, Alexander (Joint Inst. for Nuclear Research (RU))**

time	[id] title	presenter
14:30	[1164] Chaotic Quantum Many-Body Systems and Philosophy of Thermalization (40 minutes)	Prof. ZELEVINSKY, Vladimir (Department of Physics and Astronomy and National Superconducting Cyclotron Laboratory, Michigan State University)
15:10	[1464] Fragmentation of highly virtual partons (40 minutes)	KOPELIOVICH, Boris (UTFSM)

Coffee (16:00-16:30)

Lectures: Session 4 (17 Aug 2017, 16:30-17:50)

-Conveners: **Sorin, Alexander (Joint Inst. for Nuclear Research (RU))**

time	[id] title	presenter
16:30	[1376] Advances in Relativistic Fluid Dynamics, Observables, and Applications (40 minutes)	CSERNAI, Laszlo Pal (University of Bergen)

17:10	[1457] Fluctuations and correlations (40 minutes)	ZABRODIN, Evgeny (University of Oslo (NO))
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Culture event and talk by Katerina Karkala in the Church of OAC (19:00-20:30)

Dinner (20:30-21:30)

Talk history of Crete in the veranda by Emanuela Larentzakis (21:00-22:00)

Friday 18 August 2017

Welcome from organizers (08:15-08:30)

Welcome from the director of OAC - Dr. Zormpas Konstantinos (08:30-08:45)

Welcome from Emanuela Larentzakis (08:45-09:00)

Opening talk of the Conference - Room 1 (Auditorium, Main Session) (18 Aug 2017, 09:00-10:00)

time	[id] title	presenter
09:00	[1560] Great Russian mathematical physicist Ludvig Faddeev and his main scientific results (1 hour)	LIPATOV, Lev (Petersburg Nuclear Physics Institute)

Mini-workshop on Highly Ionising Avatars of New Physics: Session 1 - Room 2 (18 Aug 2017, 10:00-10:30)

-Conveners: Pinfeld, James (University of Alberta (CA))

time	[id] title	presenter
10:00	[1015] Perspectives on Detection of supersymmetric Dark Matter (30 minutes)	DE BOER, Wim (KIT - Karlsruhe Institute of Technology (DE))

Special Session on QCD: Session 1 - Room 1 (Auditorium, Main Session) (18 Aug 2017, 10:00-10:30)

-Conveners: Cho, Yongmin (Konkuk University)

time	[id] title	presenter
10:00	[1109] Pion-Dressing Effects in Nucleon and Delta Masses and Form Factors (30 minutes)	Prof. PLESSAS, Willibald (University of Graz)

Coffee (10:30-11:00)

Special Session on QCD - Room 1 (Auditorium, Main Session) (18 Aug 2017, 11:00-12:00)

-Conveners: Reinhardt, Hugo (Universität Tübingen)

time	[id] title	presenter
11:00	[1102] Hamiltonian approach to QCD in Coulomb gauge (30 minutes)	REINHARDT, Hugo (Universität Tübingen)
11:30	[1060] Quark, gluon and meson correlators of unquenched QCD (30 minutes)	MITTER, Mario

Mini-workshop on Highly Ionising Avatars of New Physics: Session 2 - Room 2 (18 Aug 2017, 11:00-13:30)

-Conveners: Nick Mavromatos

time	[id] title	presenter
11:00	[1116] Cosmic Electroweak Monopole (30 minutes)	CHO, Yongmin (Konkuk University)
11:30	[1540] LHC Constraint on Light-by-light Scattering, Born-Infeld theory and the mass of an Electroweak Monopole (30 minutes)	ELLIS, John (CERN)
12:00	[1034] Magnetic Monopoles from Global Monopoles in the presence of a Kalb-Ramond Field (30 minutes)	Prof. SARKAR, Sarben (King's College London)
12:30	[1399] Status of the searches for Magnetic Monopoles (30 minutes)	PATRIZII, Laura

13:00	[1190] Magnetic monopole searches with IceCube (30 minutes)	LAUBER, Frederik (IceCube)
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W. Greiner Memorial Session: Session 2 - Room 1 (Auditorium, Main Session) (18 Aug 2017, 12:00-13:30)

-Conveners: Laszlo Csernai

time	[id] title	presenter
12:00	[1500] Anisotropic dissipative fluid dynamics (30 minutes)	RISCHKE, Dirk (University Frankfurt)
12:30	[1368] Comparison of hydrodynamical and transport theoretical calculations for p+A and A+A collisions (30 minutes)	GREINER, Carsten (University of Frankfurt)
13:00	[1210] Super Heavy Elements - experimental developments (30 minutes)	Prof. MÜNZENBERG, Gottfried (GSI Darmszadt)

Lunch (13:30-14:30)

Break (14:30-15:00)

Mini-workshop on Highly Ionising Avatars of New Physics: Session 3 - Room 2 (18 Aug 2017, 15:00-16:00)

-Conveners: Mitsou, Vasiliki (IFIC Valencia & CERN)

time	[id] title	presenter
15:00	[1377] Searching for monopoles in polar ice samples (30 minutes)	BEVAN, Adrian (Queen Mary University of London (GB))
15:30	[1542] Magnetic monopole production in heavy ion collisions (30 minutes)	Mr GOULD, Oliver (Imperial College London)

W. Greiner Memorial Session - Room 1 (Auditorium, Main Session) (18 Aug 2017, 15:00-16:00)

-Conveners: Csernai, Laszlo Pal (University of Bergen)

time	[id] title	presenter
15:00	[1366] Greiner and exotic matter (30 minutes)	MISHUSTIN, Igor (Goethe University)
15:30	[1373] Experimental investigation of fusion-fission mechanisms for superheavy nuclei (30 minutes)	ITKIS, Mikhail

Coffee break (16:00-16:30)

Special Session on QCD: Session 4 - Room 1 (Auditorium, Main Session) (18 Aug 2017, 16:30-19:00)

-Conveners: Reinhardt, Hugo (Universität Tübingen)

time	[id] title	presenter
16:30	[1120] Form factor decompositions of the QCD four-gluon vertex (30 minutes)	SCHUBERT, Christian (IFM/UMSNH)
17:00	[1278] Worldline colour fields and non-Abelian quantum field theory (30 minutes)	Dr EDWARDS, James (Universidad Michoacana de San Nicolás de Hidalgo)
17:30	[1283] SU(2N _F) symmetry of confinement in QCD and its observation at high T (30 minutes)	GLOZMAN, Leonid

18:00	[1104] Effective locality and non-abelian gauge-invariance (30 minutes)	GRANDOU, Thierry (UMR-CNRS-7335, INLN, France.)
18:30	[1234] Non-linear effect of the fluctuation for the inhomogeneous chiral phase transition (30 minutes)	YOSHIKE, Ryo (Kyoto university)

Mini-workshop on Highly Ionising Avatars of New Physics: Session 4 - Room 2 (18 Aug 2017, 16:30-19:00)

-Conveners: Laura Patrizii

time	[id] title	presenter
16:30	[1468] The MoEDAL Experiment Past, Present and Future. (30 minutes)	PINFOLD, James (University of Alberta (CA))
17:00	[1075] The MoEDAL Detector at the LHC (30 minutes)	Dr SOLUK, Richard (University of Alberta (CA))
18:00	[1514] Machine LEarning, Monopoles and MoEDAL (30 minutes)	HAYS, Jonathan (University of London (GB))
18:30	[1507] Distributed Computing for Small Collaborations (30 minutes)	BAUER, Daniela (Imperial College (GB))

Mini-workshop on Highly Ionising Avatars of New Physics - Room 2 (18 Aug 2017, 19:00-20:00)

time	[id] title	presenter
19:00	[1541] Magnetic monopole production in photon fusion process. (30 minutes)	SANTRA, Arka (Univ. of Valencia and CSIC (ES))
19:30	[1392] Long-lived charged supersymmetric particles and MoEDAL (30 minutes)	Dr MITSOU, Vasiliki (Univ. of Valencia and CSIC (ES)) VIVES GARCIA, Oscar Manuel (Univ. of Valencia and CSIC (ES)) Dr SAKURAI, Kazuki (University of Warsaw) RUIZ DE AUSTRI, Roberto (Instituto de Fisica Corpuscular (ES))

Concert of classical music (20:00-20:30)

Dinner and welcome drink (20:30-21:30)

Saturday 19 August 2017

Mini-Workshop on Latest Results and New Physics in the Higgs Sector - Room 1 (Auditorium, Main Session) (19 Aug 2017, 08:30-09:25)

-Conveners: **Gouzevitch, Maxime (Universite Claude Bernard Lyon I (FR))**

time	[id] title	presenter
08:30	[1513] Introduction to the Mini-Workshop on Latest Results and New Physics in the Higgs Sector (25 minutes)	GOUZEVITCH, Maxime (Universite Claude Bernard-Lyon I (FR))
08:55	[978] BEH overview (ATLAS) (30 minutes)	NELLIST, Clara Jean May

Mini-Workshop on Latest Results and New Physics in the Higgs Sector: Session 1 - Room 2 (19 Aug 2017, 09:30-10:30)

-Conveners: **Gouzevitch, Maxime (Universite Claude Bernard Lyon I (FR))**

time	[id] title	presenter
09:30	[1391] Higgs parameters measurement with CMS data (30 minutes)	KROPIVNITSKAYA, Anna (The University of Kansas (US))
10:00	[995] Measurement of cross sections and couplings of the Higgs Boson in fermionic production and decay modes with the ATLAS detector (30 minutes)	SHI, Liaoshan (Academia Sinica (TW))

Special Session on QCD: Session 1 - Room 1 (Auditorium, Main Session) (19 Aug 2017, 09:30-10:30)

-Conveners: **Christian Lang**

time	[id] title	presenter
09:30	[1118] Weyl symmetric Abelian Decomposition and Monopole (30 minutes)	Prof. CHO, Yongmin (Konkuk University)
10:00	[972] SU(2) Yang-Mills thermodynamics: a priori estimate and radiative corrections (30 minutes)	Dr HOFMANN, Ralf (ITP, U Heidelberg)

Coffee (10:30-11:00)

Special Session on QCD - Room 1 (Auditorium, Main Session) (19 Aug 2017, 11:00-11:50)

-Conveners: **Reinhardt, Hugo (Universität Tübingen)**

time	[id] title	presenter
11:00	[1115] Confinement-deconfinement phase transition in two-color QCD with nonzero baryon density (25 minutes)	KOTOV, Andrey
11:25	[1052] Gluon correlators and gluon effective mass in lattice QCD (25 minutes)	Dr BOGOLUBSKY, Igor (JINR, Dubna)

Mini-Workshop on Latest Results and New Physics in the Higgs Sector: Session 2 - Room 2 (19 Aug 2017, 11:00-13:30)

-Conveners: **Gouzevitch, Maxime (Universite Claude Bernard Lyon I (FR))**

time	[id] title	presenter
11:00	[960] Measurements of the Higgs H(125) boson at CMS (30 minutes)	BOTTA, Valeria (Deutsches Elektronen-Synchrotron (DE))

11:30	[1290] ttH Coupling Measurement with the ATLAS Detector at the LHC (25 minutes)	HADEF, Asma (CPPM, Aix-Marseille Université, CNRS/IN2P3) HADEF, Asma (Royal Holloway University of London)
11:55	[1006] The Higgs and cosmology (30 minutes)	Prof. LEBEDEV, Oleg
12:25	[1150] Search for rare and exotic Higgs Boson decay modes at CMS (30 minutes)	TAO, Junquan (Institute of High Energy Physics, Chinese Academy of Sciences (CN))
12:55	[997] Search for rare and exotic Higgs Boson decay modes and Higgs boson pair production with the ATLAS detector (30 minutes)	SHRESTHA, Suyog

W. Greiner Memorial Session: Session 2 - Room 1 (Auditorium, Main Session) (19 Aug 2017, 11:50-13:20)

-Conveners: Dirk Rischke

time	[id] title	presenter
11:50	[1382] Eighty Years of Research on Super-heavy Elements (30 minutes)	HOFMANN, Sigurd (GSI)
12:20	[1374] Exotic Matter in Neutron Stars (30 minutes)	SCHRAMM, Stefan
12:50	[1151] Vorticity and polarization in baryon-rich matter formed in heavy ion collisions (30 minutes)	Prof. SORIN, Alexander (Joint Inst. for Nuclear Research (RU))

Lunch (13:30-14:30)

Break (14:30-15:00)

Special session on Astro-Cosmo-Gravity - Room 3 (19 Aug 2017, 15:00-16:00)

-Conveners: Bugaev, Kyrill (Bogolyubov Institute for Theoretical Physics)

time	[id] title	presenter
15:00	[1263] Neutron stars equation of state consistent with high-energy nuclear physics data (30 minutes)	Dr SAGUN, Violetta (Centro Multidisciplinar de Astrofísica/BITP)
15:30	[1135] Strongly interacting matter in neutron stars (30 minutes)	Prof. GEZERLIS, Alex (University of Guelph)

W. Greiner Memorial Session - Room 1 (Auditorium, Main Session) (19 Aug 2017, 15:00-16:00)

-Conveners: Csernai, Laszlo (Department of Physics and Technology)

time	[id] title	presenter
15:00	[1375] Relaxation to Equilibrium in Relativistic Heavy-Ion Collisions (30 minutes)	Prof. BRAVINA, Larissa
15:30	[1045] Atomic physics with highly-charged heavy ions at GSI/FAIR (30 minutes)	GUMBERIDZE, Alexandre

Mini-Workshop on Latest Results and New Physics in the Higgs Sector - Room 2 (19 Aug 2017, 15:00-16:00)

-Conveners: Maxime, Gouzevitch (Laboratoire LLR)

time	[id] title	presenter
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15:00	[1162] Single Higgs production at LHC as a probe for anomalous Higgs self coupling (30 minutes)	GIARDINO, Pier Paolo (Brookhaven National Laboratory)
15:30	[1287] Search for new physics in HH final state in CMS (30 minutes)	ANDROSOV, Konstantin (INFN Pisa (IT))

Special Session on QCD - Room 4 (19 Aug 2017, 15:00-16:00)

-Conveners: Reinhardt, Hugo (Universität Tübingen)

time	[id] title	presenter
15:00	[1022] The linear covariant gauge beyond perturbation theory (30 minutes)	DUDAL, David
15:30	[1119] Hadron Resonances from Lattice QCD (30 minutes)	LANG, Christian

Parallel session: 6 A Particle Physics Session - Room 6 (19 Aug 2017, 15:00-16:00)

-Conveners: Voloshin, Sergei (Wayne State University)

time	[id] title	presenter
15:00	[986] Electron and Photon ID (30 minutes)	HRYN'OV, Tetiana
15:30	[1257] CMS Search for new physics in events with jets, b-tagged jets, and large missing transverse momentum in the all-hadronic channel at $\sqrt{s} = 13$ TeV (30 minutes)	Dr BEIN, Samuel Louis (Hamburg University (DE))

Parallel session: 5 B Heavy Ion Physics Session - Room 5 (19 Aug 2017, 15:00-16:00)

-Conveners: Vasileiou, Maria (National and Kapodistrian University of Athens - Faculty of Physics)

time	[id] title	presenter
15:00	[1028] Resonance production in Pb-Pb collisions measured with the ALICE experiments at the LHC (30 minutes)	RIABOV, Viktor (Petersburg Nuclear Physics Institut (RU))
15:30	[1035] Measurements of D-meson production in p-Pb and Pb-Pb collisions with the ALICE detector at the LHC (30 minutes)	BEDDA, Cristina (Utrecht University (NL))

Coffee (16:00-16:30)

Parallel session: 5 A Particle Physics Session - Room 5 (19 Aug 2017, 16:30-18:00)

-Conveners: Riabov, Viktor (Petersburg Nuclear Physics Institut (RU))

time	[id] title	presenter
16:30	[968] Transverse momentum spectra and nuclear modification factors of identified charged hadrons in p-Pb and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE (30 minutes)	Prof. VASILEIOU ON BEHALF OF THE ALICE COLLABORATION, Maria (National and Kapodistrian University of Athens)
17:00	[1281] Measurements of the CP violating phase ϕ_s at LHCb (30 minutes)	BATOZSKAYA, Varvara (National Centre for Nuclear Research (PL))
17:30	[1197] Fluctuations in non-ideal pion gas with dynamically fixed particle number (30 minutes)	KOLOMEITSEV, Evgeni (Matej Bel University)

W. Greiner Memorial Session - Room 1 (Auditorium, Main Session) (19 Aug 2017, 16:30-18:00)

-Conveners: Münzenberg, Gottfried (GSI Darmstadt)

time	[id] title	presenter
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17:00	[1011] Superheavy Nuclei to Hypernuclei: A Tribute to Walter Greiner (30 minutes)	Prof. SAMANTA, Chhanda (Virginia Military Institute)
17:30	[1252] Predictability analysis of α decay formulae and the α partial half-lives of exotic nuclei. (30 minutes)	Prof. DASGUPTA-SCHUBERT, Nabanita (Facultad de Ciencias Físico Matemáticas)

Mini-Workshop on Latest Results and New Physics in the Higgs Sector - Room 2 (19 Aug 2017, 16:30-19:00)

-Conveners: Maxime, Gouzevitch (Laboratoire LLR)

time	[id] title	presenter
16:30	[996] Search for neutral and charged BSM Higgs Bosons with the ATLAS detector (30 minutes)	BRUCKMAN DE RENSTROM, Pawel (Polish Academy of Sciences (PL))
17:00	[1304] Phenomenological scenarios to fit a possible excess in the di-muon + jets channel (30 minutes)	Dr PANIZZI, Luca (Universita' di Genova & INFN (Italy) - University of Southampton & STFC (UK) - Rutherford Appleton Lab. (UK))
17:30	[1240] Measurement of $Z \rightarrow b\bar{b}$ cross section and search for Higgs-like particle produced in association with b quarks at CDF (30 minutes)	Dr MARCHESE, Luigi (University of Oxford (GB))
18:00	[1054] Search for Anomalous Quartic Photon Coupling at the LHC (30 minutes)	Mr WILLIAMS, Justin Andrew (The University of Kansas (US))

Parallel session: 6 A Particle Physics Session - Room 6 (19 Aug 2017, 16:30-18:30)

-Conveners: Oleg Lebedev

time	[id] title	presenter
16:30	[1000] Inclusive searches for squarks and gluinos with the ATLAS detector (25 minutes)	ADACHI, Shunsuke
16:55	[1538] Searches for electroweak production of supersymmetric gauginos and sleptons with the ATLAS detector (25 minutes)	KOURKOUMELI-CHARALAMBIDI, Athina (Aristotle Univ. of Thessaloniki (GR))
17:20	[1090] Recent CMS B physics results (30 minutes)	POLIKARPOV, Sergey (National Research Nuclear University MEPhI (RU))
17:50	[1364] The Belle II Experiment (30 minutes)	BOZEK, Andrzej (Krakow)

Special Session on QCD: Session 4 - Room 4 (19 Aug 2017, 16:30-18:00)

-Conveners: Reinhardt, Hugo (Universität Tübingen)

time	[id] title	presenter
16:30	[1097] Stiff self-interacting strings in high temperature phase of QCD. (25 minutes)	Dr BAKRY, Ahmed (Institute of Modern Physics, Lanzhou, China)
16:55	[1536] Temperature dependence of shear viscosity of SU(3)-gluodynamics within lattice simulation (25 minutes)	ASTRAKHANTSEV, Nikita

Parallel session: 4 A Particle Physics Session - Room 4 (19 Aug 2017, 17:20-17:50)

B Heavy Ion Physics Session - Room 1 (Auditorium, Main Session) (19 Aug 2017, 18:00-18:30)

time	[id] title	presenter
18:00	[1026] Vorticity and global polarization in heavy ion collisions (30 minutes)	Prof. VOLOSHIN, Sergei (Wayne State University)

Culture event (19:00-20:30)**Dinner (20:30-21:30)**

Sunday 20 August 2017

Excursion 2 - 2 (20 Aug 2017, 06:00-17:00)

Excursion 1 - 1 (20 Aug 2017, 06:00-17:00)

Excursion 3 - 3 (20 Aug 2017, 10:30-17:00)

Dinner (20:30-21:30)

Monday 21 August 2017

A Particle Physics - Room 1 (Auditorium, Main Session) (21 Aug 2017, 08:30-10:30)

-Conveners: Kim, Victor (St. Petersburg Nuclear Physics Institute - PNPI, Gatchina)

time	[id] title	presenter
08:30	[1452] What Physics Beyond the Standard Model? (30 minutes)	ELLIS, John (CERN)
09:00	[1453] CMS Overview (30 minutes)	KAZANA, Malgorzata (NCBJ Warsaw (PL))
09:30	[977] ATLAS overview highlight talk (30 minutes)	BELLAGAMBA, Lorenzo
10:00	[1447] LHCb overview (30 minutes)	AMHIS, Yasmine Sarah (Unknown)

Coffee (10:30-11:00)

Workshop on continuous variables and quantum information: Session 2 - Room 2 (21 Aug 2017, 11:00-13:30)

-Conveners: Korolkova, Natalia (University of St. Andrews)

time	[id] title	presenter
11:00	[1139] Phase supersensitivity in an unbalanced SU(1,1) interferometer (30 minutes)	Dr CHEKHOVA, Maria
11:30	[1274] Squeezed light enhanced sensing of a micro-mechanical oscillator (30 minutes)	Prof. ANDERSEN, U L (Technical University of Denmark)
12:00	[1253] Highly nonlinear quantum optics and optomechanics (30 minutes)	Prof. FILIP, Radim (Palacky University in Olomouc)
12:30	[1222] From Quantum-Limited Measurements towards Quantum Squeezing Detection over Satellite Links (30 minutes)	Dr MÜLLER, Christian Ralf (Max-Planck-Institute for the Science of Light)

Special session on Astro-Cosmo-Gravity - Room 6 (21 Aug 2017, 11:00-13:30)

-Conveners: Blaschke, D. (Institute of Theoretical Physics, University of Wrocław, 50-204 Wrocław, Poland; Bogoliubov Laboratory of Theoretical Physics, JINR Dubna, 141980 Dubna, Russia; National Research Nuclear University "MEPhI" (Moscow Engineering Physics Institute), 115409 Moscow, Russia)

time	[id] title	presenter
11:00	[962] Cosmological bounce and Genesis beyond Horndeski (30 minutes)	KOLEVATOV, Roman (Lomonosov MSU, INR RAS)
11:30	[1289] On perturbations in Horndeski theories (30 minutes)	Ms VOLKOVA, Victoria (MSU)
12:00	[1467] Fermions from Oscillons (30 minutes)	Dr SAFFIN, Paul (University of Nottingham)
12:30	[1415] Self-consistent calculations of supernova matter (30 minutes)	MISHUSTIN, Igor
13:00	[1081] Observation of ultra-high energy cosmic rays with the Telescope Array experiment (30 minutes)	Dr TAKEISHI, Ryuji (ICRR Univ. Tokyo)

A Particle Physics: Session 2 - Room 1 (Auditorium, Main Session) (21 Aug 2017, 11:00-12:30)

-Conveners: Bondar, Alex (Budker Institute of Nuclear Physics (RU))

time	[id] title	presenter
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11:00	[1032] Flavourful roads to New Physics (30 minutes)	GLIGOROV, Vladimir (Centre National de la Recherche Scientifique (FR))
11:30	[1470] ATLAS and CMS prospects for Higgs measurements and searches at the high luminosity LHC (30 minutes)	MANDEL, Rainer (Deutsches Elektronen-Synchrotron (DE))
12:00	[1490] Prediction and discovery of doubly-heavy baryon (30 minutes)	Prof. KARLINER, Marek (Tel Aviv U.)

B Heavy Ion Physics Session: Session 2 - Room 1 (Auditorium, Main Session) (21 Aug 2017, 12:30-13:30)

time	[id] title	presenter
12:30	[1458] ALICE Overview (30 minutes)	DAHMS, Torsten (Technische Universitaet Muenchen (DE))
13:00	[1228] Overview of recent heavy-flavor and jet results from STAR (30 minutes)	Dr BIELCIK, Jaroslav (Czech Technical University (CZ))

Special Session on Instruments and Methods in HEP - Room 5 (21 Aug 2017, 13:00-13:30)

-Conveners: Nouicer, Rachid (BNL)

time	[id] title	presenter
13:00	[1207] Overview talk on trigger performances (CMS) (30 minutes)	Dr DONATO, Silvio (Universitaet Zuerich (CH))

Lunch (13:30-14:30)

Break (14:30-15:00)

Workshop on Exotic Hadrons: Light hadron exotics (experimental + theoretical) - Room 3 (21 Aug 2017, 15:00-16:00)

-Conveners: Skwarnicki, Tomasz (Syracuse University (US)); Bondar, Alex (Budker Institute of Nuclear Physics (RU)); Mizuk, Roman (Lebedev Physical Institute)

time	[id] title	presenter
15:00	[1130] Exotic Baryons at MAMI (30 minutes)	WERTHMÜLLER, Dominik (University of Glasgow)
15:30	[1378] Prospects for Exotic Hadron Spectroscopy at PANDA (30 minutes)	MESSCHENDORP, Johan

S. Belyaev Memorial Session - Room 1 (Auditorium, Main Session) (21 Aug 2017, 15:00-16:00)

-Conveners: Sharkov, Boris (JINR)

time	[id] title	presenter
15:00	[1438] Introduction (30 minutes)	ZELEVINSKY, Vladimir (Michigan State University)
15:30	[1165] Covariant density functionals in nuclear physics and their microscopic origin. (30 minutes)	Prof. RING, Peter (Technical University Munich)

Special Session on Instruments and Methods in HEP - Room 5 (21 Aug 2017, 15:00-16:00)

-Conveners: Nouicer, Rachid (BNL)

time	[id] title	presenter
15:00	[1332] Lecture on Statistical analysis methods by ATLAS (50 minutes)	BERGER, Nicolas (Centre National de la Recherche Scientifique (FR))

Workshop on continuous variables and quantum information - Room 2 (21 Aug 2017, 15:00-16:00)

-Conveners: Korolkova, Natalia (University of St. Andrews)

time	[id] title	presenter
15:00	[1061] Dynamics of quantum correlations in two-mode Gaussian open quantum systems (20 minutes)	ISAR, Aurelian (National Institute of Physics and Nuclear Engineering, Bucharest-Magurele, Romania)
15:20	[1069] Gaussian quantum steering of two bosonic modes in a squeezed thermal environment (20 minutes)	TATIANA, Mihaescu (Horia Hulubei National Institute of Physics and Nuclear Engineering, Department of Theoretical Physics)

Special session on Astro-Cosmo-Gravity - Room 6 (21 Aug 2017, 15:00-16:00)

-Conveners: Blaschke, David (University of Wroclaw)

time	[id] title	presenter
15:00	[1334] Observationally constraining gravitational wave emission from short gamma-ray burst remnants (30 minutes)	GLAMPEDAKIS, Kostas (Universidad de Murcia)
15:30	[1095] Relativity with a preferred frame. Astrophysical and cosmological implications (30 minutes)	BURDE, Georgy (Ben-Gurion University of the Negev)

coffee break (16:00-16:30)

S. Belyaev Memorial Session - Room 1 (Auditorium, Main Session) (21 Aug 2017, 16:30-18:30)

-Conveners: Sharkov, Boris (JINR)

time	[id] title	presenter
16:30	[1149] DAMPING OF SIMPLE MODES OF HIGH-ENERGY NUCLEAR EXCITATIONS (30 minutes)	URIN, Michael (National Research Nuclear University "MEPhI")
17:00	[1276] Isospin dynamics in nuclear structure (30 minutes)	Dr LITVINOVA, Elena (Western Michigan University)
17:30	[1156] Bose condensation of triplons in quantum magnets (30 minutes)	Prof. SUSHKOV, Oleg (University of New South Wales)
18:00	[1563] Bose Condensate (30 minutes)	MISHUSTIN, Igor (Goethe University)

Special session on Astro-Cosmo-Gravity - Room 6 (21 Aug 2017, 16:30-17:30)

-Conveners: Blaschke, David (University of Wroclaw)

time	[id] title	presenter
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16:30	[1030] Search for rare processes with DAMA experimental set-ups (30 minutes)	CAPPELLA, Fabio (INFN, sez. Roma, 00185 Rome, Italy)
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Workshop on continuous variables and quantum information - Room 2 (21 Aug 2017, 16:30-18:30)

-Conveners: Korolkova, Natalia (University of St. Andrews)

time	[id] title	presenter
16:30	[1272] Gaussian intrinsic entanglement (30 minutes)	Mr MIŠTA, Ladislav (Department of Optics, Palacký University)
17:00	[1254] Relativistic and Device Independent Verifiable Quantum Computation (30 minutes)	Dr WALLDEN, Petros (University of Edinburgh)
17:30	[1214] Gigahertz quantum signatures compatible with telecommunication technologies (20 minutes)	THORNTON, Matthew (University of St Andrews)
17:50	[1068] Quantum advantage and fault tolerant universal quantum computing in continuous variables (20 minutes)	DOUCE, Tom (Université Pierre et Marie Curie)

Special Session on Instruments and Methods in HEP - Room 5 (21 Aug 2017, 16:30-19:00)

-Conveners: Nouicer, Rachid (BNL)

time	[id] title	presenter
16:30	[1056] The Short Baseline Neutrino Detector at Fermilab (30 minutes)	METTLER, Thomas Josua (Universitaet Bern (CH))
17:00	[1147] The LUCID-2 detector (30 minutes)	SBRIZZI, Antonio (Universita e INFN, Bologna (IT))

Workshop on Exotic Hadrons - Room 3 (21 Aug 2017, 16:30-19:30)

time	[id] title	presenter
16:30	[1326] light exotic hadrons at BESIII (40 minutes)	JIAO, Jianbin (Shandong University)
17:10	[1105] Structure of excited charmed baryons studied by pion emission decays (30 minutes)	Prof. NAGAIRO, Hideko (Nara Women's University)
17:40	[1114] Heavy hadron production for the study of their structure (20 minutes)	HOSAKA, Atsushi (Osaka University)
18:00	[1142] Strange and Charm Baryon Spectroscopy at J-PARC (40 minutes)	Prof. NOUMI, H.
18:40	[1237] Excited vector mesons: phenomenology and predictions for a yet unknown vector $\bar{s}s$ state with a mass of about 1.93 GeV (20 minutes)	PIOTROWSKA, Milena (Jan Kochanowski University)
19:00	[1241] "Dipole model analysis of highest precision HERA data, including very low Q^2 " (30 minutes)	ŁUSZCZAK, Agnieszka (Cracow University of Technology@DESY Hamburg)

C Quantum Optics and Quantum Information - Room 1 (Auditorium, Main Session) (21 Aug 2017, 18:30-19:30)

time	[id] title	presenter
18:30	[1220] Would Nega-Particles Prove to be Essential Ingredients of Quantum Reality? (1 hour)	ELITZUR, Avshalom (Iyar)

Poster session (21 Aug 2017, 19:30-20:30)

time	[id] title	presenter
19:30	[1008] ttH Coupling Measurement with the ATLAS Detector at the LHC (30 minutes)	SOPCZAK, Andre (Czech Technical University (CZ))
19:30	[1477] Jet-flavour tagging using deep-learning in the CMS experiment (30 minutes)	STAKIA, Anna (CERN)
19:30	[1476] Search for supersymmetry in events with one lepton, multiple jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV (30 minutes)	STAKIA, Anna (CERN)
19:30	[1024] Gravity until equipartition of relativistic kinetic energies. (30 minutes)	BULYZHENKOV, Igor
19:30	[1014] Molecular Clouds as the Origin of the Gamma-Ray GeV excess (30 minutes)	DE BOER, Wim (KIT - Karlsruhe Institute of Technology (DE))
19:30	[947] Search for the violation of Pauli principle at LNGS - first physics result of VIP2 experiment (30 minutes)	SHI, HEXI
19:30	[1046] Insecurity of detector-device-independent quantum key distribution (30 minutes)	SAJEED, shihan (University of Waterloo)
19:30	[1049] muon performance (30 minutes)	MARCHESE, Luigi (University of Oxford (GB)) MARCHESE, Luigi (Fermilab)
19:30	[1077] Experimental technique for \bar{p} -nucleus annihilation cross section measurements at low energy (30 minutes)	MASCAGNA, Valerio (Universita di Brescia (IT))
19:30	[1387] Nuclear phase transition and thermodynamic instabilities in dense nuclear matter (30 minutes)	LAVAGNO, Andrea (Politecnico di Torino, Italy)
19:30	[1087] Antiproton-nucleus annihilation cross section at low energy (30 minutes)	VENTURELLI, Luca (Universita di Brescia (IT) and INFN)
19:30	[1231] Search for R-parity violating supersymmetry and Quantum black-holes in e+mu final state in CMS (30 minutes)	Ms MUKHERJEE, Swagata (Rheinisch-Westfaelische Tech. Hoch. (DE))
19:30	[1065] Cylindrical symmetry: II. The Green's function in 3 + 1 dimensional curved space (30 minutes)	KAMATH, Gopinath (Indian Institute of Technology Tirupati)
20:00	[1551] Latest results on azimuthal anisotropy at RHIC-PHENIX (30 minutes)	SEIDL, Ralf (RIKEN)
20:00	[1186] Procedure for event characterization in Pb-Pb collisions at 40A GeV in the NA49 experiment at CERN SPS (30 minutes)	ZHEREBTSOVA, Elisaveta
20:00	[1497] Search for displaced lepton jets with the ATLAS experiment (30 minutes)	SEBASTIANI, Cristiano (Sapienza Universita e INFN, Roma I (IT))
20:00	[1504] On bimodal size distribution of spin clusters in the one-dimensional Ising model (30 minutes)	IVANYTSKYI, Oleksii (National Academy of Sciences of Ukraine (UA))
20:00	[1493] Applications of Advances in Relativistic Fluid Dynamics to Laser Fusion (30 minutes)	CSERNAI, Laszlo Pal (University of Bergen)
20:00	[1063] New Mathematical Formulation of the Correspondence Principle (30 minutes)	Dr BERNAL ARROYO, Jorge Alejandro (Universidad Juárez Autónoma de Tabasco, México)

20:00	[1282] Experimental Relativistic Quantum Information with a Geostationary Satellite (30 minutes)	BAYRAKTAR, Ömer (Max Planck Institute for the Science of Light)
20:00	[1059] Thermodynamics along individual trajectories of a quantum bit (30 minutes)	ROMITO, A.
20:00	[1226] Quantization Aspects of a Hypercomplex Field (30 minutes)	JUÁREZ-DOMÍNGUEZ, Alexander Joan Cristo (Instituto de Física Ing Luis Rivera Terrazas, BUAP.)
20:00	[1173] Possible Approach to Dynamical Supersymmetry Breaking via Nambu--Jona-Lasinio Model (30 minutes)	Dr CHENG, Yifan (Institute of Physics, Academia Sinica, Taiwan)
20:00	[1033] A-dependence of Λ -bond and charge symmetry energies (30 minutes)	Prof. SAMANTA, Chhanda (Virginia Military Institute)
20:00	[1126] The new front end and DAQ of the ICARUS detector (30 minutes)	FARNESE, Christian (Universita e INFN, Padova (IT))
20:00	[1218] The new CMS Barrel Muon Track Finder (30 minutes)	Mr KARATHANASIS, Georgios (University of Athens)
20:00	[946] Surrounding matter theory (30 minutes)	LASSIAILLE, Frederic

Buffet and Wine Tasting (20:00-21:00)**Concert (21:00-22:00)**

Tuesday 22 August 2017

C Quantum Optics and Quantum Information: Session 1 - Room 1 (Auditorium, Main Session) (22 Aug 2017,

08:30-10:30)

time	[id] title	presenter
08:30	[950] Models of spontaneous wave function collapse: what they are and how they can be tested (30 minutes)	Prof. BASSI, Angelo (University of Trieste)
09:00	[1423] Nature's optics and our understanding of light (45 minutes)	BERRY, Michael
09:45	[1250] Finally making sense of the double-slit experiment (45 minutes)	Prof. AHARONOV, Yakir (Tel Aviv University and Chapman University)

Coffee (10:30-11:00)

Special session on Astro-Cosmo-Gravity - Room 6 (22 Aug 2017, 11:00-13:30)

-Conveners: Blaschke, David (University of Wroclaw)

time	[id] title	presenter
11:00	[970] DAMA/LIBRA results and perspectives (30 minutes)	CARACCILOLO, Vincenzo (INFN - National Institute for Nuclear Physics)
11:30	[1402] Pedal coordinate, dark Kepler and other force problems (30 minutes)	BLASCHKE, Petr (Silesian University in Opava)
12:00	[1100] Direct dark matter search with ultra-low thresholds in the CRESST-III experiment (30 minutes)	STAHLBERG, Martin (Vienna University of Technology)
12:30	[1277] Anisotropy of dark matter velocity distribution measured with directional detection (30 minutes)	Dr NAGAO, Keiko (National Institute of Technology, Niihama College)
13:00	[1050] Viable production mechanism of keV sterile neutrino with large mixing angle (30 minutes)	CHUDAYKIN, Anton (Institute for Nuclear Research)

Workshop on continuous variables and quantum information - Room 2 (22 Aug 2017, 11:00-13:30)

-Conveners: Andersen, Ulrik Lund (Technical University of Denmark)

time	[id] title	presenter
11:00	[1333] Quantum Frequency Combs: generation, characterization and applications (30 minutes)	Prof. FABRE, Claude (UPMC Sorbonne Universite)
11:30	[1205] Continuous quantum variables: from quantum computing to relativistic quantum information (30 minutes)	MENICUCCI, Nicolas (RMIT University)
12:00	[1136] Work is the source of gravity (30 minutes)	BRUSCHI, David Edward (University of York)
12:30	[1204] Tripartite continuous-variables coherence and entanglement from vacuum fluctuations (30 minutes)	Dr PARAOANU, Sorin (Aalto University)

S. Belyaev Memorial Session: Session 2 - Room 1 (Auditorium, Main Session) (22 Aug 2017, 11:00-13:30)

-Conveners: Zelevinsky, Vladimir (Michigan State University)

time	[id] title	presenter
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11:00	[1154] Some Aspects of Neutron-Antineutron Oscillation (30 minutes)	VAINSHTEIN, Arkady (University of Minnesota)
11:30	[1401] Exploring collective modes in mesoscopic systems with new techniques (30 minutes)	VOLYA, Alexander (Florida State University)
12:00	[1400] Quartet condensation in nuclear systems. A nuclear Quantum Phase Transition. (30 minutes)	SCHUCK, Peter (Institut de Physique Nucleaire Orsay)
12:30	[1166] Self-consistent description of particle-phonon coupling effects. Pole and tadpole diagrams. (30 minutes)	Prof. SAPERSTEIN, Eduard (NRC "Kurchatov Institute", 123182 Moscow, Russia)
13:00	[1169] The Gamow Shell Model - Towards the unified theory of nuclear structure and reactions (30 minutes)	Prof. PLOSZAJCZAK, Marek (GANIL)

Workshop on Exotic Hadrons - Room 3 (22 Aug 2017, 11:00-13:40)

-Conveners: Mizuk, Roman (Lebedev Physical Institute); Skwarnicki, Tomasz (Syracuse University (US)); Bondar, Alex (Budker Institute of Nuclear Physics (RU))

time	[id] title	presenter
11:00	[1339] The X(3872) and other charmonium puzzles (40 minutes)	LARS OLSEN, Stephen
11:40	[1110] Z _c states observed in p π transitions to charmonium states (40 minutes)	LYU, Xiao-Rui (University of Chinese Academy of Sciences)
12:20	[1239] Charged bottomonium-like states at Belle (40 minutes)	BONDAR, Alex (Budker Institute of Nuclear Physics (RU))
13:00	[1134] Vector states above open charm threshold (40 minutes)	Prof. WANG, Zhi-yong (IHEP, CAS)

Special session on Astro-Cosmo-Gravity - Room 6 (22 Aug 2017, 13:00-17:00)

-Conveners: Blaschke, D. (Institute of Theoretical Physics, University of Wroclaw, 50-204 Wroclaw, Poland; Bogoliubov Laboratory of Theoretical Physics, JINR Dubna, 141980 Dubna, Russia; National Research Nuclear University "MEPhI" (Moscow Engineering Physics Institute), 115409 Moscow, Russia)

time	[id] title	presenter
15:00	[1439] On the Butterfly Effect in 3D Gravity (30 minutes)	M. QAEMMAQAMI, Mohammad (Institute for Research in Fundamental Sciences (IPM))
16:30	[1071] Exotic events in cosmic ray experiments at super high energies: a manifestation of New Physics? (30 minutes)	Dr BORISOV, Alexander (P.N.Lebedev Physical Institute, Russian Academy of Sciences)

Lunch (13:40-14:30)

Break (14:30-15:00)

Parallel session: 5 A Particle Physics Session - Room 5 (22 Aug 2017, 15:00-16:00)

-Conveners: Gligorov, Vladimir (Centre National de la Recherche Scientifique (FR))

time	[id] title	presenter
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15:00	[1255] $e^+e^- \rightarrow e^+e^-$ decay and direct e^+e^- production in e^+e^- collisions (20 minutes)	RUDENKO, Alexander (Novosibirsk State University)
15:20	[1048] Top-quark results at CMS (20 minutes)	LISTA, Luca (INFN Sezione di Napoli)

Special Session on Instruments and Methods in HEP (22 Aug 2017, 15:00-16:00)

-Conveners: Nouicer, Rachid (BNL)

time	[id] title	presenter
15:00	[1076] Overview talk on detector performances (CMS) (30 minutes)	GOY LOPEZ, Silvia (Centro de Investigaciones Energéticas Medioambientales y Tecno)
15:30	[1305] New Capabilities of Modern Accelerators for Heavy Ion Nuclear Physics (30 minutes)	SHARKOV, Boris (JINR)

Session on Physics Education and Outreach - Room 4 (22 Aug 2017, 15:00-16:00)

-Conveners: Katramatou, Mina (Kent State University)

time	[id] title	presenter
15:00	[1264] Active Learning Teaching for Introductory Physics (25 minutes)	Prof. KATRAMATOUE, Mina (Kent State University)
15:25	[1484] Trends in Undergraduate Physics Education in the US (25 minutes)	PETRATOS, Gerassimos (Kent State University)

Workshop on Exotic Hadrons - Room 3 (22 Aug 2017, 15:00-16:00)

time	[id] title	presenter
15:00	[1238] Vector bottomonium-like states at Belle (40 minutes)	MIZUK, Roman (Lebedev Physical Institute)
15:40	[1127] BES III future prospects in exotic hadron spectroscopy (20 minutes)	Dr ZHU, Kai (Institute of High Energy Physics, China)

Workshop on continuous variables and quantum information - Room 2 (22 Aug 2017, 15:00-16:00)

-Conveners: lorenzo maccone

time	[id] title	presenter
15:20	[1094] Ultrafast Quantum Key Distribution with Ultra-Broad Squeezed Light (20 minutes)	Prof. PE'ER, Avi (Bar Ilan University)
15:40	[1206] Observing superradiance in a vortex flow (20 minutes)	Mr TORRES VICENTE, Théo (University of Nottingham)

Coffee (16:00-16:30)

Session on Physics Education and Outreach - Room 4 (22 Aug 2017, 16:30-19:00)

-Conveners: Katramatou, Mina (Kent State University)

time	[id] title	presenter
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16:30	[1328] The European Researchers' Night: concepts and impact (25 minutes)	FANOURLAKIS, Georgios (Nat. Cent. for Sci. Res. Demokritos (GR))
16:55	[1327] Learning about A Level Physics students' understandings of particle physics using concept mapping (25 minutes)	Ms GOURLAY, Helen (Brunel University London)
17:20	[1416] The Hellenic Open University Cosmic Ray Telescope: Research and Educational Activities (25 minutes)	Dr LEISOS, Antonios (Hellenic Open University)
17:45	[1446] Opening up Greek Universities: opencourses.gr (25 minutes)	MERAKOS, Lazaros

Workshop on Exotic Hadrons - Room 3 (22 Aug 2017, 16:30-18:30)

time	[id] title	presenter
16:30	[1209] Exotic meson candidates from amplitude analyses of B meson decays (40 minutes)	SKWARNICKI, Tomasz (Syracuse University (US))
17:10	[1148] Pentaquark candidates in LHCb (40 minutes)	ZHANG, Liming (Tsinghua University (CHINA))
17:50	[1396] Discussion (20 minutes)	

Parallel session: 5 A Particle Physics Session - Room 5 (22 Aug 2017, 16:30-18:35)

-Conveners: Bonivento, Walter Marcello (INFN Cagliari)

time	[id] title	presenter
16:30	[1155] Quantum scattering beyond the plane-wave approximation (30 minutes)	Dr KARLOVETS, Dmitry (Tomsk State University)
17:00	[1163] Gluons, Heavy and Light Quarks in the QCD Vacuum (30 minutes)	Prof. MUSAKHANOV, Mirzayusuf (National University of Uzbekistan)
17:30	[1057] KamLAND-Zen 800 status and future prospects (30 minutes)	KOGA, Masayuki
18:00	[1125] The ICARUS experiment (30 minutes)	FARNESE, Christian (Universita e INFN, Padova (IT))

Workshop on continuous variables and quantum information - Room 2 (22 Aug 2017, 16:30-18:10)

-Conveners: Koenig, Friedrich (University of St. Andrews)

time	[id] title	presenter
16:30	[1286] Counting Unruh particles (30 minutes)	Prof. DRAGAN, Andrzej (University of Warsaw)
17:00	[1159] Mixing of positive and negative frequency waves at the optical horizon (20 minutes)	Dr JACQUET, Maxime (University of St Andrews)
17:20	[1153] Autonomous quantum machines and finite sized clocks (20 minutes)	MISCHA, Woods (ETH)
17:40	[1427] Quantum networks: topology and spectral characterization (30 minutes)	BEREC, Vesna (University of Belgrade)

Special Session on Instruments and Methods in HEP - Room 1 (Auditorium, Main Session) (22 Aug 2017,

16:30-17:30)

-Conveners: Nouicer, Rachid (BNL)

time	[id] title	presenter
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16:30	[1397] Development of Micro Pattern Gas Detectors for HEP and Nuclear Physics experiments and applications (30 minutes)	Dr GERALIS, Theodoros (NCSR Demokritos)
17:00	[1167] Electron Ion Collider: 3D-Imaging the Nucleon (30 minutes)	RADICI, Marco

A Particle Physics - Room 1 (Auditorium, Main Session) (22 Aug 2017, 17:30-18:30)

time	[id] title	presenter
17:30	[1208] Azimutal angular correlations in high energy processes in QCD (30 minutes)	JALILIAN-MARIAN, Jamal (Baruch College/Ecole Polytechnique)
18:00	[1121] Coherent Diffusive Photonics (30 minutes)	Dr KOROLKOVA, Natalia (University of St. Andrews)

Concert of classical music (19:00-19:30)

Persian poems: Public talk by Jonathan Ellis "What are we? Where do we come from? Where are we going?" (22 Aug 2017, 19:30-20:30)

time	[id] title	presenter
19:30	[1539] What are we? Where do we come from? Where are we going? (1 hour)	ELLIS, John (CERN)

Dinner (20:30-21:30)

Wednesday 23 August 2017

C Quantum Optics and Quantum Information - Room 1 (Auditorium, Main Session) (23 Aug 2017, 08:30-09:00)

time	[id] title	presenter
08:30	[1202] Weak measurements and weak values – recent theoretical and experimental results (30 minutes)	COHEN, Eliahu (University of Bristol)

C Quantum Optics and Quantum Information: Session 1 - Room 1 (Auditorium, Main Session) (23 Aug 2017, 09:00-10:30)

time	[id] title	presenter
09:00	[1459] Gravity in the quantum lab (45 minutes)	FUENTES, Ivette
09:45	[1431] Boson sampling, quantum simulators and the quest for superior quantum devices (45 minutes)	EISERT, Jens (FU Berlin)

Coffee (10:30-11:00)

A Particle Physics: Session 2 - Room 1 (Auditorium, Main Session) (23 Aug 2017, 11:00-12:30)

-Conveners: Ellis, John (CERN)

time	[id] title	presenter
11:00	[982] Hunting New Physics with ATLAS [ATLAS] (30 minutes)	MITSOU, Vasiliki (IFIC Valencia & CERN)
11:30	[1111] Exotica searches at CMS (30 minutes)	Dr KARAVDINA, Anastasia (Hamburg University (DE))
12:00	[1478] New Searches in High Energy Particle Physics (30 minutes)	CARVALHO ANTUNES DE OLIVEIRA, Alexandra (UNESP - Universidade Estadual Paulista (BR))

Workshop on Exotic Hadrons - Room 3 (23 Aug 2017, 11:00-13:30)

-Conveners: Mizuk, Roman (Lebedev Physical Institute); Skwarnicki, Tomasz (Syracuse University (US)); Bondar, Alex (Budker Institute of Nuclear Physics (RU))

time	[id] title	presenter
11:00	[1293] Hunting for exotic doubly hidden-charm/bottom $QQ\bar{Q}\bar{Q}$ tetraquark states (30 minutes)	Prof. CHEN, Wei (Sun Yat-sen University)
11:30	[1096] Charmed states on the lattice (30 minutes)	SOLOVJEVA, Olga (Alikhanov Institute of Theoretical and Experimental Physics)
12:00	[1176] Understanding X(3862), X(3872), and X(3930) in a Friedrichs-model-like scheme (30 minutes)	Dr XIAO, Zhiguang (University of Science and Technology of China)
12:30	[1117] Quark-Gluon Mixing in Abelian Decomposition of QCD (30 minutes)	Prof. CHO, Yongmin (Konkuk University)
13:00	[1331] Amplitude analysis of the exotic states (30 minutes)	MIKHASENKO, Mikhail (University of Bonn (DE))

Joint Quantum Session - Room 2 (23 Aug 2017, 11:00-13:30)

-Conveners: Koenig, Friedrich (University of St. Andrews)

time	[id] title	presenter
11:00	[1249] Quantum time mechanism, towards quantum spacetime (30 minutes)	MACCONE, lorenzo
11:30	[1270] Fundamental quantum effects in the laboratory? (30 minutes)	SCHUETZOLD, Ralf (University Duisburg-Essen)
12:00	[1564] From measurement of non-local variables to relativistic quantum cryptography and continuous variables teleportation (30 minutes)	Prof. VAIDMAN, Lev (Tel Aviv University)

B Heavy Ion Physics Session - Room 1 (Auditorium, Main Session) (23 Aug 2017, 12:30-13:30)

time	[id] title	presenter
12:30	[1271] Cosmic matter in the laboratory - the Compressed Baryonic Matter Experiment at FAIR (30 minutes)	SENGER, Peter (GSI Darmstadt)
13:00	[1365] Status of the NICA project (30 minutes)	Prof. KEKELIDZE, Vladimir (Joint Inst. for Nuclear Research (RU))

Lunch (13:30-14:30)**Break (14:30-14:45)****Workshop on Quantum Foundations and Quantum Information - Room 2 (23 Aug 2017, 14:45-16:00)****-Conveners: Aharonov, Yakir (Chapman University)**

time	[id] title	presenter
14:45	[1443] Opening words (15 minutes)	
15:00	[1058] Ubiquitous non-local entanglement with Majorana bound states (30 minutes)	Dr ROMITO, Alessandro (Lancaster University)
15:30	[1132] Quantum Dynamical Simulation by Quantum Walk (30 minutes)	SHIKANO, Yutaka (The University of Tokyo)

A Particle Physics - Room 1 (Auditorium, Main Session) (23 Aug 2017, 15:00-16:00)**-Conveners: Gorbunov, Dmitry (Russian Academy of Sciences (RU))**

time	[id] title	presenter
15:00	[1265] The Quark Parton Model of the Nucleon - Missing Links (30 minutes)	Prof. PETRATOS, Gerassimos (Kent State University)
15:30	[1329] Physics perspectives of PANDA at FAIR (30 minutes)	MESSCHENDORP, Johan

Workshop on Exotic Hadrons - Room 3 (23 Aug 2017, 15:00-16:00)

time	[id] title	presenter
15:00	[1062] Threshold effects in hadron spectrum: a new spectroscopy? (30 minutes)	Dr ORTEGA, Pablo G (IUFFyM Universidad de Salamanca)
15:30	[1179] Narrow-width tetraquarks in large- N_c QCD (30 minutes)	Prof. SAZDJIAN, Hagop (IPN, University Paris-Sud, Orsay)

Coffee (16:00-16:30)

Workshop on Quantum Foundations and Quantum Information - Room 2 (23 Aug 2017, 16:30-18:30)**-Conveners: Aharonov, Yakir (Chapman University)**

time	[id] title	presenter
16:30	[1242] Pure state post-selection is universal (30 minutes)	DIOSI, Lajos (Wigner Research Centre for Physics)
17:00	[941] Wave function collapse and gravity (30 minutes)	Prof. BASSI, Angelo (University of Trieste)
17:30	[1177] Matter waves exposed to the external world: Decoherence, gravity, complementarity and time irreversibility (30 minutes)	Prof. FOLMAN, Ron
18:00	[1143] Testing the superposition principle with individual trapped atoms (30 minutes)	Dr ALBERTI, Andrea (Institut für Angewandte Physik)

Parallel session: 4 A Particle Physics Session - Room 4 (23 Aug 2017, 16:30-18:30)**-Conveners: Berger, Nicolas (Centre National de la Recherche Scientifique (FR))**

time	[id] title	presenter
16:30	[985] ATLAS Jet Reconstruction, Energy Scale Calibration, and Tagging of Lorentz-boosted Objects (30 minutes)	SCHRAMM, Steven
17:00	[988] Measurements of the Vector boson production with the ATLAS Detector (30 minutes)	KORDAS, Konstantinos
17:30	[1088] The ATLAS Run-2 Trigger Menu for higher luminosities: Design, Performance and Operational Aspects (30 minutes)	RUIZ MARTINEZ, Arantxa (Carleton University (CA))
18:00	[1562] Unruh effect in heavy ion collisions (30 minutes)	TESLYK, Maksym (Taras Shevchenko National University of Kyiv)

Parallel session: 5 - Room 5 (23 Aug 2017, 16:30-18:30)**-Conveners: Donato, Silvio (Universitaet Zuerich (CH))**

time	[id] title	presenter
16:30	[1475] Heavy Ions (CMS) (30 minutes)	MILOSEVIC, Jovan (University of Belgrade (RS))
17:30	[936] On the relationship between electromagnetic curvature and acceleration of charges (30 minutes)	Dr HADAD, Yaron (University of Arizona)
18:00	[1303] Beyond the phenomenology of the BCS model (30 minutes)	Dr ANGHEL, Dragos-Victor (IFIN-HH)

Parallel session: 6 - Room 6 (23 Aug 2017, 16:30-18:30)**-Conveners: De Boer, Wim (KIT - Karlsruhe Institute of Technology (DE))**

time	[id] title	presenter
16:30	[1219] Dark Matter searches at CMS (30 minutes)	DE COSA, Annapaola (Universitaet Zuerich (CH))
17:00	[1236] Non-exponential decay in a quantum field theoretical treatment (30 minutes)	Prof. GIACOSA, Francesco (Kielce University)

17:30	[976] Sub-leading flow modes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV from HYDJET++ model (30 minutes)	MILOSEVIC, Jovan (University of Belgrade, Vinca Institute of Nuclear Sciences)
18:00	[1013] Mass problem in the Standard Model (30 minutes)	Prof. MARTINEZ, Roberto (Universidad Nacional de Colombia)

Parallel session - Room 3 (23 Aug 2017, 16:30-18:00)

-Conveners: Kekelidze, Vladimir (Joint Inst. for Nuclear Research (RU))

time	[id] title	presenter
16:30	[994] Measurement of cross sections and couplings of the Higgs Boson in bosonic decay channels with the ATLAS detector (30 minutes)	BELYAEV, Nikita
17:00	[1440] Search for K^+ to π^+ ν ν at NA62 (30 minutes)	ALIBERTI, Riccardo (Johannes-Gutenberg-Universitaet Mainz (DE))
17:30	[1441] Search for heavy neutrinos at the NA48 and NA62 experiments at CERN (30 minutes)	PERUZZO, Letizia (Johannes-Gutenberg-Universitaet Mainz (DE))

Workshop on Exotic Hadrons - Room 1 (Auditorium, Main Session) (23 Aug 2017, 16:30-18:35)

time	[id] title	presenter
16:30	[1244] Issues at forefront of heavy quark spectroscopy (45 minutes)	Prof. KARLINER, Marek (Tel Aviv U.)
17:15	[1444] Is there a common Ariadne thread for all Exotic Hadrons? (45 minutes)	MAIANI, Luciano
18:00	[1398] Round Table Discussion (30 minutes)	

B Heavy Ion Physics Session - Room 3 (23 Aug 2017, 18:00-18:30)

time	[id] title	presenter
18:00	[1055] Correlations of anisotropic flow in relativistic heavy-ion collisions at the LHC (30 minutes)	ZHOU, You (Niels Bohr Institute (DK))

Conference dinner (20:30-23:30)

Thursday 24 August 2017

Workshop on NCG: Session 1 - Room 4 (24 Aug 2017, 08:20-10:30)

-Conveners: Pachol, Anna (Queen Mary University of London)

time	[id] title	presenter
08:30	[1292] What is the standard model of particle physics trying to tell us? (40 minutes)	BOYLE, Latham (Perimeter Institute)
09:10	[1258] A Noncommutative Geometry inspired GUT (40 minutes)	BIZI, Nadir (UPMC (Paris VI))
09:50	[1379] Applications of non-associative geometry in particle physics (40 minutes)	FARNSWORTH, Shane

A Particle Physics - Room 1 (Auditorium, Main Session) (24 Aug 2017, 08:25-10:30)

-Conveners: Yang, Chi (Shandong University)

time	[id] title	presenter
08:50	[1223] Probing the Origin of the Proton Spin at STAR (25 minutes)	Prof. GAGLIARDI, Carl (Texas A&M University)
09:15	[948] PHENIX spin overview (25 minutes)	SEIDL, Ralf (RIKEN)
09:40	[1203] Latest results on diffraction at HERA (25 minutes)	PRZYBYCIEN, Mariusz (AGH University of Science and Technology (PL))
10:05	[1450] Precision RENORM / MBR Diffraction Predictions Tested by Recent LHC Results (25 minutes)	Prof. GOULIANOS, Konstantin

Workshop on Physics at FAIR-NICA-SPS-BES/RHIC: Session 1 - Room 3 (24 Aug 2017, 08:30-10:30)

-Conveners: Sorin, Alexander (Joint Inst. for Nuclear Research (RU))

time	[id] title	presenter
09:30	[1124] Three-fluid Hydrodynamics-based Event Simulator Extended by UrQMD final State interactions (THESEUS) for FAIR-NICA-SPS-BES/RHIC energies (30 minutes)	IVANOV, Yu. B. (National Research Centre "Kurchatov Institute", 123182 Moscow, Russia; {National Research Nuclear University "MEPhI" (Moscow Engineering Physics Institute), 115409 Moscow, Russia)
10:00	[1042] Two-particle correlations using THERMINATOR model for BES program (30 minutes)	Dr ZBROSZCZYK, Hanna (Warsaw University of Technology)

Workshop on Quantum Foundations and Quantum Information: 24 August 2017: Dedicated to Yakir Aharonov's 85th Birthday - Room 2 (24 Aug 2017, 09:00-10:30)

-Conveners: Cohen, Eliahu (University of Bristol); Elitzur, Avshalom (Iyar); Aharonov, Yakir (Tel Aviv University and Chapman University)

time	[id] title	presenter
09:00	[967] One quantum shutter can close two slits simultaneously (30 minutes)	Prof. OKAMOTO, Ryo (Kyoto University)

09:30	[1486] Novel manifestations of quantum oblivion (30 minutes)	Prof. ELITZUR, Avshalom (The Israeli Institute for Advanced Research)
10:00	[1172] Locality and nonlocality in the interaction-free measurement (30 minutes)	Dr ROHRLICH, Daniel (Ben-Gurion University of the Negev)

Coffee (10:30-11:00)

Workshop on Quantum Foundations and Quantum Information: 24 August 2017: Dedicated to Yakir Aharonov's 85th Birthday - Room 2 (24 Aug 2017, 11:00-13:00)

-Conveners: Aharonov, Yakir (Tel Aviv University and Chapman University); Elitzur, Avshalom (Iyar); Cohen, Eliahu (University of Bristol)

time	[id] title	presenter
11:00	[1487] The fascinating properties of weak values (45 minutes)	AHARONOV, Yakir (Chapman University)
11:45	[1481] Faster than Fourier (pre)visited: vorticulture, noise, fractals... (45 minutes)	Prof. BERRY, Michael
12:30	[1501] The controversy about the past of a quantum particle (30 minutes)	VAIDMAN, Lev (Tel Aviv University)

Workshop on Physics at FAIR-NICA-SPS-BES/RHIC: Session 2 - Room 3 (24 Aug 2017, 11:00-13:30)

-Conveners: Sorin, Alexander (Joint Inst. for Nuclear Research (RU))

time	[id] title	presenter
11:00	[1300] Separate freeze-out of strange particles and the quark-hadron phase transition (30 minutes)	IVANYTSKYI, Oleksii (National Academy of Sciences of Ukraine (UA))
11:30	[1301] Probing the tricritical endpoint of QCD phase diagram at NICA-FAIR energies (30 minutes)	BUGAEV, Kyrill (Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine)
12:00	[1091] New Baryonic and Mesonic Observables from NA61/SHINE (30 minutes)	Dr MARCINEK, Antoni (Polish Academy of Sciences (PL))
12:30	[1037] Flow at SIS energies - overview of SIS18 results and prospect for SIS100 (30 minutes)	Dr KUGLER, Andrej (Nuclear Institute, Czech Academy of Sciences)
13:00	[1180] The STAR detector upgrade and future plan (30 minutes)	Dr YANG, Chi (Shandong University)

A Particle Physics - Room 1 (Auditorium, Main Session) (24 Aug 2017, 11:00-13:00)

-Conveners: itkis, mikhail (joint institute for nuclear research)

time	[id] title	presenter
11:00	[1189] Jet and photon production and extraction of α_s at HERA. (30 minutes)	Mr ZLEBICK, Radek (Deutsches Elektronen-Synchrotron (DE))
11:30	[1053] GERDA: first background free search for neutrinoless double beta decay (30 minutes)	GUSEV, Konstantin
12:00	[1451] Future Prospects (ATLAS) (30 minutes)	BINDI, Marcello

12:30	[1389] Overview talk on upgrades, future plans and prospects of the CMS experiment at the future HL-LHC (30 minutes)	HOEPFNER, Kerstin (RWTH Aachen)
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Workshop on NCG: Session 2 - Room 4 (24 Aug 2017, 11:00-13:00)

-Conveners: Pachol, Anna (Queen Mary University of London)

time	[id] title	presenter
11:00	[1256] Families of spectral triples and foliations of spacetime (40 minutes)	Dr VAN DEN DUNGEN, Koen (SISSA)
11:40	[1295] Causal relations in noncommutative spacetime (40 minutes)	MILLER, Tomasz (Warsaw University of Technology)
12:20	[1296] Physical models from noncommutative causality (40 minutes)	FRANCO, Nicolas (University of Namur)

D Astroparticle, Cosmology, Gravity, Math Phys - Room 1 (Auditorium, Main Session) (24 Aug 2017, 13:00-13:30)

time	[id] title	presenter
13:00	[966] The Pierre Auger Observatory: latest results and future perspectives (30 minutes)	BUSCEMI, Mario (INFN - National Institute for Nuclear Physics)

Lunch (13:30-14:30)

Break (14:30-15:00)

H. Oeschler Memorial Session - Room 1 (Auditorium, Main Session) (24 Aug 2017, 15:00-16:00)

-Conveners: Cleymans, Jean (University of Cape Town)

time	[id] title	presenter
15:00	[1568] Helmut's Oeschler's early days at GSI (30 minutes)	SENGER, Peter (GSI)
15:30	[1380] Helmut Oeschler and Particle Chemistry in Heavy Ion Collisions (30 minutes)	CLEYMANS, Jean (University of Cape Town)

Workshop on Quantum Foundations and Quantum Information: 24 August 2017: Dedicated to Yakir Aharonov's 85th Birthday - Room 2 (24 Aug 2017, 15:00-16:00)

-Conveners: Cohen, Eliahu (University of Bristol); Elitzur, Avshalom (The Israeli Institute for Advanced Research); Aharonov, Yakir (Tel Aviv University and Chapman University)

time	[id] title	presenter
15:00	[1193] Experimental realization of a shortcut to adiabaticity by synthetic Aharonov-Bohm effect in a qutrit (30 minutes)	Dr PARAOANU, Sorin (Aalto University)
15:30	[971] Statistical superdegeneracy and quantum foundations (30 minutes)	Dr SHEEHAN, Daniel (Dept. Physics, University of San Diego)

Workshop on NCG: Session 3 - Room 4 (24 Aug 2017, 15:00-16:00)

-Conveners: Boyle, Latham (Perimeter Institute)

time	[id] title	presenter
15:00	[1275] Introduction to noncommutative digital geometry (40 minutes)	Dr PACHOL, Anna

Coffee (16:00-16:30)

Parallel session: 5 A Particle Physics Session - Room 5 (24 Aug 2017, 16:30-18:30)**-Conveners: Voloshin, Sergei (Wayne State University)**

time	[id] title	presenter
16:30	[1284] Forward Physics at CMS (30 minutes)	Dr SEN, Sercan (Hacettepe University (TR))
17:00	[1291] Standard Model Measurements at CMS (30 minutes)	NEUMEISTER, Norbert (Purdue University (US))
17:30	[1233] Ultra long-lived particles searches with MATHUSLA (30 minutes)	ALPIGIANI, Cristiano (University of Washington, Seattle)
18:00	[1216] Search for new physics in events with two low momentum opposite-sign leptons and missing transverse energy at $\sqrt{s} = 13$ TeV (30 minutes)	Mr KARATHANASIS, Georgios (University of Athens)

Workshop on NCG: Session 4 - Room 4 (24 Aug 2017, 16:30-18:30)**-Conveners: van den Dungen, Koen (SISSA)**

time	[id] title	presenter
16:30	[1259] Noncommutative Spherically Summetric Spacetimes at Semicalssical Order (40 minutes)	Mr FRITZ, Christopher (Sussex Univetsity)

Workshop on Quantum Foundations and Quantum Information: 24 August 2017: Dedicated to Yakir Aharonov's 85th Birthday - Room 2 (24 Aug 2017, 16:30-18:25)**-Conveners: Elitzur, Avshalom (The Israeli Institute for Advanced Research); Cohen, Eliahu (University of Bristol); Aharonov, Yakir (Tel Aviv University and Chapman University)**

time	[id] title	presenter
17:00	[1122] Logical Information Theory: New Foundations for Classical and Quantum Information Theory (30 minutes)	Dr ELLERMAN, David (University of California Riverside)
17:30	[1225] Fundamental mechanism of the quantum computational speedup (30 minutes)	Dr CASTAGNOLI, Giuseppe (Elsag Bailey, Quantum Information Laboratory)

Parallel session: 6 - Room 6 (24 Aug 2017, 16:30-18:00)**-Conveners: Sopczak, Andre (Czech Technical University (CZ))**

time	[id] title	presenter
16:30	[993] Top quark properties and mass measurements with the ATLAS detector (30 minutes)	DADO, Tomas
17:00	[1001] Searches for direct pair production of third generation squarks with the ATLAS detector (30 minutes)	KOEHLER, Nicolas Maximilian
17:30	[999] Search for pair production of new particles in ATLAS (30 minutes)	BERLENDIS, Simon Paul

H. Oeschler Memorial Session: Session 4 - Room 1 (Auditorium, Main Session) (24 Aug 2017, 16:30-18:30)**-Conveners: Cleymans, Jean (University of Cape Town)**

time	[id] title	presenter
16:30	[1404] Linking the particle yields data in HIC and lattice QCD results (30 minutes)	REDLICH, Krzysztof (University of Wroclaw)

17:00	[963] Using the Tsallis distribution for hadron spectra in pp collisions (30 minutes)	Dr GRIGORYAN, Smbat (Joint Institute for Nuclear Research (JINR))
17:30	[1031] Probing resonance matter with HADES (30 minutes)	Dr GUMBERIDZE, Malgorzata (TU Darmstadt)

Dinner (20:00-21:30)

Opera gala (21:30-22:30)

Friday 25 August 2017

Workshop on Physics at FAIR-NICA-SPS-BES/RHIC - Room 3 (25 Aug 2017, 08:30-10:30)

-Conveners: Senger, Peter (GSI)

time	[id] title	presenter
08:30	[1362] BM@N experiment for studies of Baryonic Matter at the Nuclotron (30 minutes)	KAPISHIN, Mikhail (JINR, Dubna)
09:00	[1361] Physics with the CBM experiment (30 minutes)	Dr FRIESE, Volker (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))
09:30	[1093] Event topology reconstruction in the CBM experiment at FAIR (30 minutes)	Prof. KISEL, Ivan (Johann-Wolfgang-Goethe Univ. (DE))
10:00	[1170] Multi Purpose Detector at NICA: Status and Prospects (30 minutes)	Prof. KEKELIDZE, Vladimir (Joint Inst. for Nuclear Research (RU))

D Astroparticle, Cosmology,d Gravity, Math Phys - Room 1 (Auditorium, Main Session) (25 Aug 2017, 08:30-10:30)

time	[id] title	presenter
08:30	[1442] Resolving the singularities in General Relativity (30 minutes)	MUKHANOV, Slava
09:00	[1175] Core-collapse supernovae explored by neutrino transfer and nuclear data (30 minutes)	SUMIYOSHI, Kosuke (Numazu College of Technology)
09:30	[1138] Overview of Dark Matter Direct Searches (30 minutes)	FIORILLO, Giuliana (Universita e INFN, Napoli (IT))
10:00	[939] Indirect dark-matter searches with gamma-rays experiments : status and future plans from 300 KeV to 100 TeV (30 minutes)	MORSELLI, Aldo (INFN)

Workshop on Quantum Foundations and Quantum Information - Room 2 (25 Aug 2017, 08:30-10:30)

-Conveners: Aharonov, Yakir (Chapman University)

time	[id] title	presenter
09:00	[1227] Quantum Uncertainty Relations and Related (30 minutes)	Prof. FEI, Shao-Ming (Capital Normal University)
09:30	[1199] Quantum Mechanics is Two-Thirds Local Realistic (30 minutes)	Dr COHEN, Eli (University of Bristol)

Coffee (10:30-11:00)

Joined Session of Workshop on Physics at FAIR-NICA-SPS-BES/RHIC and Mini-workshop:Correlations and Fluctuations in Relativistic Heavy Ion Collisions - Room 3 (25 Aug 2017, 11:00-12:30)

time	[id] title	presenter
11:30	[1198] Pion and kaon Bose-Einstein correlations from the BES program at STAR (30 minutes)	NIGMATKULOV, Grigory (National Research Nuclear University MEPhI)
12:00	[1246] Equations of anisotropic hydrodynamics for quark and gluon fluids (30 minutes)	MAKSYMIUK, Ewa (Jan Kochanowski University)

A Particle Physics - Room 1 (Auditorium, Main Session) (25 Aug 2017, 11:00-13:30)**-Conveners: Zakharov, Valentin (Institute for Theoretical and Experimental Physics (RU))**

time	[id] title	presenter
11:00	[1506] Searching for exotic long lived particles with dedicated experiments at the LHC (30 minutes)	Prof. DE ROECK, Albert
11:30	[1502] Search for asymptotic QCD effects at collider energies (30 minutes)	KIM, Victor (St. Petersburg Nuclear Physics Institute - PNPI, Gatchina)
12:30	[1449] Gauge Theories and non-Commutative Geometry. A review (1 hour)	ILIOPOULOS, Jean (LPTENS)

Workshop on Quantum Foundations and Quantum Information - Room 2 (25 Aug 2017, 11:00-13:30)**-Conveners: Aharonov, Yakir (Chapman University)**

time	[id] title	presenter
11:00	[974] Counter-intuitive phenomena in quantum mechanics emerging in matter-wave optical experiments (30 minutes)	HASEGAWA, Yuji (Vienna University of Technology)
11:30	[1103] Weak Measurements: from Measuring Non-Commuting Observables and Testing Quantum Contextuality to Protective Measurements (30 minutes)	Dr PIACENTINI, Fabrizio (Istituto Nazionale di Ricerca Metrologica, strada delle Cacce 91, IT-10135 Torino, Italy)
12:00	[1043] Ultrafast Optical Homodyne - Measuring the Fundamental Variables of Quantum Optics \$10^5\$ Times Faster (30 minutes)	Prof. PE'ER, Avi (Bar Ilan University)
12:30	[1133] Quantum Cryptography with Structured Photons (30 minutes)	Prof. KARIMI, Ebrahim (University of Ottawa)

D Astroparticle, Cosmology, Gravity, Math Phys - Room 1 (Auditorium, Main Session) (25 Aug 2017, 12:00-12:30)

time	[id] title	presenter
12:00	[1266] Noncommutative geometry at the new frontiers of theoretical physics (30 minutes)	ECKSTEIN, Michal (Jagiellonian University)

Lunch (13:30-14:30)**Parallel session - Room 2 (25 Aug 2017, 14:30-15:30)**

time	[id] title	presenter
14:30	[1089] Invisible Trojan-horse attack (30 minutes)	Mr SAJEED, shihan (university of waterloo)

Parallel session: 3 - Room 3 (25 Aug 2017, 14:30-15:30)**-Conveners: Martinez, Roberto (Universidad Nacional de Colombia)**

time	[id] title	presenter
14:30	[1010] Initial state correlations in the CGC wave function (30 minutes)	LUBLINSKY, Michael
15:00	[1106] Forward Physics at the LHC: from the Pomeron structure to the search for anomalous coupling (30 minutes)	ROYON, Christophe (The University of Kansas (US))

Parallel session: 4 - Room 4 (25 Aug 2017, 14:30-15:30)**-Conveners: De Roeck, Albert (CERN)**

time	[id] title	presenter
14:30	[1473] SUSY (CMS) (30 minutes)	KALOGEROPOULOS, Alexis (DESY)
15:00	[1546] SUSY (ATLAS) (30 minutes)	SOPCZAK, Andre (Czech Technical University (CZ))

B Heavy Ion Physics Session - Room 1 (Auditorium, Main Session) (25 Aug 2017, 14:30-15:35)

time	[id] title	presenter
14:30	[1285] Heavy Ion Physics (ATLAS) (25 minutes)	Prof. PRZYBYCIEN, Mariusz (AGH University of Science and Technology)
14:55	[1448] Heavy Ion Physics (20 minutes)	MAURICE, Emilie (Universite de Paris-Sud 11 (FR))
15:15	[956] PHENIX Measurements of Charm and Bottom Decays (20 minutes)	RINN, Timothy (Iowa State University)

Parallel session: 6 Joint Quantum Session - Room 6 (25 Aug 2017, 14:30-15:30)

time	[id] title	presenter
15:00	[1152] Towards topological quantum computer (30 minutes)	MIRONOV, Sergey (INR)

Parallel session: 5 Joint Quantum Session - Room 5 (25 Aug 2017, 14:30-15:30)

time	[id] title	presenter
14:30	[953] The analogy of equation of rotation in complex plane with the Dirac equation, and its foundation (30 minutes)	Dr SANDUK, Mohammed (University of Surrey)

Coffee (15:35-16:00)

Excursion in Chania (16:00-20:30)

Concert of classical music in Great Arsenal of Chania (20:30-21:00)

Persian poems: Public talk in Greek by J. Iliopoulos "Generation of mass in early Universe" (25 Aug 2017, 21:00-21:45)

time	[id] title	presenter
21:00	[1483] Η γεννεση της μαζας στο αρχεγονο συμπαν (The generation of mass in the early universe) (45 minutes)	ILIOPOULOS, Jean (LPTENS)

Excursion 4 (25 Aug 2017, 21:45-23:30)

Saturday 26 August 2017

A Particle Physics - Room 1 (Auditorium, Main Session) (26 Aug 2017, 09:00-10:30)

-Conveners: Vainshtein, Arkady (University of Minnesota)

time	[id] title	presenter
09:00	[1269] : Possible origin(s) of RD(*) flavor anomalies (30 minutes)	Dr SONI, Amarjit (Brookhaven National Lab)
09:30	[1482] Scale hierarchies in particle physics and cosmology (30 minutes)	ANTONIADIS, Ignatios (Ecole Polytechnique)
10:00	[1435] Chiral fluids: a few theoretical issues (30 minutes)	Prof. ZAKHAROV, Valentin (Institute for Theoretical and Experimental Physics (RU))

Coffee (10:30-11:00)

D Astroparticle, Cosmology,d Gravity, Math Phys - Room 1 (Auditorium, Main Session) (26 Aug 2017, 11:00-12:00)

-Conveners: Slava Mukhanov

time	[id] title	presenter
11:00	[1554] LIGO/VIRGO Overview talk (30 minutes)	ANDREA PRODI, Giovanni (Universita' di Trento and INFN, Italy)
11:30	[1511] Status of Advanced Virgo (30 minutes)	Dr ALLOCCA, Annalisa (Università di Pisa / INFN Pisa)

A Particle Physics - Room 1 (Auditorium, Main Session) (26 Aug 2017, 12:00-13:30)

-Conveners: Antoniadis, Ignatios (Ecole Polytechnique)

time	[id] title	presenter
12:00	[1383] Review of neutrino properties (30 minutes)	Prof. MINKOWSKI, Peter (AEC-ITP, University of Bern)
12:30	[1508] The Hyper-Kamiokande Experiment (30 minutes)	BRAVAR, Sandro (Universite de Geneve (CH))
13:00	[1201] Summary of the Workshop on Exotic Hadrons (30 minutes)	SKWARNICKI, Tomasz (Syracuse University (US))

Lunch (13:30-14:30)

Break (14:30-15:00)

Parallel session: 4 D Astroparticle, Cosmology, Gravity, Math Phys - Room 4 (26 Aug 2017, 15:00-16:00)

-Conveners: Godunov, Sergey (ITEP)

time	[id] title	presenter
15:00	[1017] Searches for Neutrinoless Double Beta Decays (30 minutes)	SCHWINGENHEUER, Bernhard (Max-Planck-Insitut Kernphysik)

15:30	[958] Towards the first measurement of matter-antimatter gravitational interaction (30 minutes)	EVANS, Craig William (Politecnico di Milano (IT))
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Parallel session: 2 B Heavy Ion Physics Session - Room 2 (26 Aug 2017, 15:00-16:00)

-Conveners: Kisel, Ivan (Johann-Wolfgang-Goethe Univ. (DE))

Parallel session: 5 A Particle Physics Session - Room 5 (26 Aug 2017, 15:00-16:00)

-Conveners: Manly, Steven Laurens (University of Rochester (US))

time	[id] title	presenter
15:00	[1509] Recent Results from T2K (30 minutes)	BRAVAR, Sandro (Universite de Geneve (CH))
15:30	[1039] The MURAVES project and parallel activities on cosmic-ray muon absorption radiography (30 minutes)	Dr BONECHI, Lorenzo (INFN Florence (IT))

Parallel session: 6 - Room 3 (26 Aug 2017, 15:00-16:00)

-Conveners: Lushevskaya, Elena (State Scientific Center of Russian Federation - Institute of Theoretical and Experimental Physics)

time	[id] title	presenter
15:00	[1082] Lattice QCD at finite baryon density using analytic continuation (30 minutes)	BORNYAKOV, Vitaly (IHEP)
15:30	[1567] Entanglement entropy in Yang-Mills theory: lattice measurements and qualitative features (30 minutes)	ZAKHAROV, Valentin (Institute for Theoretical and Experimental Physics (RU))

Parallel session: 1 A Particle Physics Session - Room 1 (Auditorium, Main Session) (26 Aug 2017, 15:00-16:00)

-Conveners: Royon, Christophe (The University of Kansas (US))

time	[id] title	presenter
15:00	[991] Measurements of low energy observables, elastic pp interactions and exclusive production in proton-proton collisions with the ATLAS Detector (30 minutes)	BUSSEY, Peter

Coffee (16:00-16:30)

Classical music (violin, cello, piano) (18:00-18:20)

Persian poems (26 Aug 2017, 18:20-19:00)

time	[id] title	presenter
18:20	[1573] Religion, Science and Philosophy (40 minutes)	Prof. PAVLOS, Georgios (Democritus University of Thrace)

Persian poems (26 Aug 2017, 19:00-19:15)

time	[id] title	presenter
19:00	[1572] Poems from Iran (15 minutes)	M. QAEMMAQAMI, Mohammad (Institute for Research in Fundamental Sciences (IPM))

Poems from India (26 Aug 2017, 19:15-19:30)

Persian poems (26 Aug 2017, 19:30-20:00)

Classical music (26 Aug 2017, 20:00-20:30)

Dinner (20:30-21:30)

Concert of classical music (21:30-22:30)

Sunday 27 August 2017

Excursion (07:00-14:00)

Round Table discussion on “High Energy Physics after the LHC” (Sergio Bertolucci, University of Bologna and ex-CERN research director, Jie Gao, CEPC institution board vice-chairman and chairman of the Asia Linear Collider Steering Committee, Victor A. Matveev, director of JINR, Russia, Albert de Roeck, CERN, leader of the CERN neutrino group, Frank Zimmermann, CERN, deputy leader of FCC, John Womersley, Director General of the European Spallation Source, Moderator: Michael Koratzinos, ETH Zurich, CH) - Room 1 (Auditorium, Main Session) (19:00-20:30)

Dinner (20:30-21:30)

Monday 28 August 2017

Workshop on Future of Fundamental Physics: Session 1 - Room 1 (Auditorium, Main Session) (28 Aug 2017,

09:00-10:30)

-Conveners: Bertolucci, Sergio (Istituto Nazionale Fisica Nucleare Frascati (IT))

time	[id] title	presenter
09:00	[1460] The challenges of large infrastructure physics projects in the 21st century (45 minutes)	WOMERSLEY, John William (STFC - Rutherford Appleton Lab. (GB))
09:45	[1461] The CEPC/SppC project: status and challenges (45 minutes)	GAO, Jie (Institute of High Energy Physics, China)

Parallel session: 6 - Room 6 (28 Aug 2017, 10:00-10:30)

time	[id] title	presenter
10:00	[1474] Search for Charged Lepton Flavour Violation at CMS (25 minutes)	MUKHERJEE, Swagata (Rheinisch-Westfaelische Tech. Hoch. (DE))

Parallel session: 5 - Room 5 (28 Aug 2017, 10:00-10:30)

Parallel session: 3 - Room 3 (28 Aug 2017, 10:00-10:30)

time	[id] title	presenter
10:00	[989] Recent Tests of the Standard Model with Multi boson final states at the ATLAS Detector (30 minutes)	CAMPANELLI, Mario

Coffee (10:30-11:00)

Workshop on Future of Fundamental Physics: Session 2 - Room 1 (Auditorium, Main Session) (28 Aug 2017,

11:00-13:30)

-Conveners: Womersley, John (European Spallation Source)

time	[id] title	presenter
11:00	[1302] Status and plans of the Compact Linear Collider project (35 minutes)	GAMBA, Davide (CERN)
11:35	[1196] Low emittance muon beam for multi-TeV muon collider (35 minutes)	ANTONELLI, Mario (INFN e Laboratori Nazionali di Frascati (IT))
12:10	[1108] AWAKE: the proton-driven plasma wakefield accelerator experiment at CERN (35 minutes)	ADLI, Erik (University of Oslo (NO))
12:45	[1550] Accelerators in the 21st century (Preliminary title, TBC) (45 minutes)	ZIMMERMANN, Frank (CERN)

A Particle Physics - Room 3 (28 Aug 2017, 11:00-13:20)

-Conveners: Bozek, Andrzej (Krakow)

time	[id] title	presenter
11:00	[1092] Collective phenomena from high energy proton-proton to heavy-ion collisions at the LHC (30 minutes)	Dr FASANELLA, Daniele (Università and INFN, Bologna (IT))

12:00	[1200] Search for magnetic monopoles with the MoEDAL forward trapping detector in 13 TeV proton-proton collisions at the LHC (20 minutes)	LIONTI, Anthony (Universite de Geneve (CH))
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Parallel session: 6 - Room 6 (28 Aug 2017, 11:00-13:30)

-Conveners: Petropoulos, Marios (Centre National de la Recherche Scientifique (CNRS))

time	[id] title	presenter
11:00	[1086] Double Chooz double-detector results (30 minutes)	Ms HELLWIG, Denise (RWTH Aachen University)
11:30	[1410] Measurement of the hadronic cross sections with the CMD-3 and SND detectors at the VEPP-2000 collider (30 minutes)	Dr KOROL, Aleksandr (Budker Institute of Nuclear Physics (RU))
12:00	[992] Top quark production cross-section measurements (30 minutes)	CHEN, Ye
12:30	[1466] Critical nucleus charge in a superstrong magnetic field (30 minutes)	GODUNOV, Sergey (ITEP)

Parallel session: 5 B Heavy Ion Physics Session - Room 5 (28 Aug 2017, 11:00-13:30)

-Conveners: Claudio Ciofi degli Atti

time	[id] title	presenter
11:00	[1036] Electromagnetic field effects on Υ meson suppression in PbPb collisions at LHC energies (30 minutes)	HOELCK, Johannes (University of Heidelberg)
11:30	[1047] Low Momentum Direct Photon Measurement (30 minutes)	FAN, Wenqing (PHENIX)
12:30	[1229] The measurement of J/Ψ production as function of multiplicity in pp and p-pb collisions with ALICE (30 minutes)	Ms KHATUN, Anisa (Aligarh Muslim University (IN))

Parallel session: 4 - Room 4 (28 Aug 2017, 11:00-13:05)

-Conveners: Bugaev, Kyrill (Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine)

time	[id] title	presenter
11:00	[1363] Magnetic structure of vector mesons in lattice QCD (30 minutes)	LUSCHEVSKAYA, Elena (State Scientific Center of Russian Federation - Institute of Theoretical and Experimental Physics)
11:30	[1445] TBA (20 minutes)	Mr ASTAPOV, Konstantin (INR of RAS)
11:50	[1072] Excited Charmed Baryons (25 minutes)	Dr SOLOVIEVA, Elena (MIPT, LPI)
12:15	[990] Probing QCD with Photons and Jets at the ATLAS Detector (25 minutes)	CALLEA, Giuseppe
12:40	[987] Tracking and Vertexing with the ATLAS Inner Detector in the LHC Run2 and Beyond (25 minutes)	SWIFT, Stewart Patrick

Workshop on (Super)gravity, String theory and Related Topics: Session 2 - Room 2 (28 Aug 2017, 11:00-13:25)

time	[id] title	presenter
11:00	[1535] Introduction (10 minutes)	SAGNOTTI, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))
11:10	[1395] Non-perturbative Gauge-Higgs Unification (45 minutes)	IRGES, Nikos (NTUA)

11:55	[1489] Supergravity solutions from the double copy (45 minutes)	Dr NAGY, Silvia
12:40	[1524] Exotic branes and non-geometric fluxes in string theory (45 minutes)	RICCIONI, Fabio (INFN - National Institute for Nuclear Physics)

Lunch (13:30-14:30)**Break (14:30-15:00)****Parallel session: 6 A and C - Room 6 (28 Aug 2017, 15:00-16:00)****-Conveners: Pavlos, Georgios (Democritus University of Thrace)**

time	[id] title	presenter
15:30	[1425] Quantum simulators, boson sampling, and the quest for superior quantum devices (30 minutes)	EISERT, Jens (FU Berlin)

Parallel session: 4 A Particle Physics Session - Room 4 (28 Aug 2017, 15:00-16:00)**-Conveners: Mavromatos, Nikos (University of London (GB))**

time	[id] title	presenter
15:00	[959] Recent PHENIX results on high-pT light hadron production (30 minutes)	FAN, Wenqing
15:30	[1574] New evidence for a flowing medium (25 minutes)	Prof. PRUNEAU, Claude Andre (Wayne State University (US))

Special session on Astro-Cosmo-Gravity - Room 5 (28 Aug 2017, 15:00-16:00)**-Conveners: Mishustin, Igor (Goethe University)**

time	[id] title	presenter
15:30	[1067] Pontryagin trace anomaly (30 minutes)	DOMINIS PRESTER, Predrag (University of Rijeka - Department of Physics)

Workshop on (Super)gravity, String theory and Related Topics - Room 1 (Auditorium, Main Session) (28 Aug 2017, 15:00-16:00)**-Conveners: Sagnotti, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))**

time	[id] title	presenter
15:00	[1528] Cosmology with PLANCK: exploring the early Universe via the CMB (1 hour)	NATOLI, Paolo (Università di Ferrara)

Parallel session: 3 - Room 3 (28 Aug 2017, 15:00-16:00)**-Conveners: Dudas, Emilian (Ecole Polytechnique)**

time	[id] title	presenter
15:00	[1232] Modified Navier-Stokes equation for conceptual tests of pure field physics (30 minutes)	Prof. BULYZHENKOV, Igor (Moscow Institute of Physics and Technology)

Coffee (16:00-16:30)

Workshop on (Super)gravity, String theory and Related Topics - Room 2 (28 Aug 2017, 16:30-18:45)**-Conveners: Sagnotti, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))**

time	[id] title	presenter
16:30	[1512] Quantum aspects of 3D higher-spin gauge theories (45 minutes)	CAMPOLEONI, Andrea
17:15	[1522] Recent progress on M5-branes at singularities (45 minutes)	Prof. TOMASIELLO, Alessandro (Milan Bicocca University)
18:00	[1526] Anti-de Sitter gravity/fluid correspondence and its flat/Carrollean limit (45 minutes)	PETROPOULOS, Marios (Centre National de la Recherche Scientifique (CNRS))

Workshop on Future of Fundamental Physics - Room 1 (Auditorium, Main Session) (28 Aug 2017, 16:30-17:50)**-Conveners: Koratzinos, m (Universite de Geneve (CH))**

time	[id] title	presenter
16:30	[1268] Advances in Direct CP violation (40 minutes)	Dr SONI, Amarjit (Brookhaven National Lab)
17:10	[1505] Overview on $ V_{cb} $ determination (40 minutes)	RICCIARDI, Giulia (Univ. Napoli Federico II)

Interdisciplinary Session - Room 1 (Auditorium, Main Session) (28 Aug 2017, 17:50-19:10)

time	[id] title	presenter
18:30	[1518] Complexity and unification in Physical theory (40 minutes)	Prof. PAVLOS, Georgios (Democritus University of Thrace)

Dinner (20:30-21:30)**Concert (21:30-22:30)**

Tuesday 29 August 2017

Special session on Astro-Cosmo-Gravity - Room 6 (29 Aug 2017, 08:30-10:30)

-Conveners: Mishustin, Igor (Goethe University)

time [id] title

presenter

09:00	[1386] Cooling of Compact High Mass Twin Stars (30 minutes)	Dr GRIGORIAN, Hovik (JINR)
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Workshop on Future of Fundamental Physics - Room 1 (Auditorium, Main Session) (29 Aug 2017, 08:30-10:30)

-Conveners: Gao, Jie (Institute of High Energy Physics, China)

time [id] title

presenter

08:30	[1510] Snapshots of neutrino oscillation physics today and a preview of tomorrow (30 minutes)	MANLY, Steven Laurens (University of Rochester (US))
09:00	[1248] The Electron Ion Collider (30 minutes)	ASCHEAUER, elke-caroline (BNL)
09:30	[1183] Recent Borexino results and perspectives of the SOX measurement (30 minutes)	Dr PORCELLI, Alessio (Johannes Gutenberg Universität Mainz)
10:00	[1555] Challenges and approaches of unveiling the nature of antimatter at CERN (with a particular focus on the AEGIS experiment) (30 minutes)	Dr SMESTAD, Lillian (The Research Council of Norway/CERN, the AEGIS collaboration)

Parallel session: 3 A Particle Physics Session - Room 3 (29 Aug 2017, 08:30-10:30)

time [id] title

presenter

10:00	[1040] Overview of LHCf results for Cosmic Ray Studies (30 minutes)	Dr BONECHI, Lorenzo (INFN Florence (IT))
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Parallel session - Room 4 (29 Aug 2017, 08:30-10:30)

-Conveners: Minkowski, Peter (Universitaet Bern (CH))

time [id] title

presenter

08:30	[961] Low-energy K^0 interaction with light nuclei by the AMADEUS collaboration (30 minutes)	DEL GRANDE, Raffaele (LNF-INFN)
09:00	[1294] LEGEND: new opportunity to discover the neutrinoless double beta decay (30 minutes)	GUSEV, Konstantin
10:00	[1129] New results from the OPERA experiment (30 minutes)	DMITRIEVSKY, Sergey (Joint Institute for Nuclear Research)

Workshop on (Super)gravity, String theory and Related Topics - Room 2 (29 Aug 2017, 09:00-10:30)

-Conveners: Sagnotti, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))

time [id] title

presenter

09:00	[1532] String Theory and the Omega Background (45 minutes)	ANGELANTONJ, Carlo (Universita e INFN Torino (IT))
09:45	[1531] Non-Linear Supersymmetry and some Applications (45 minutes)	DUDAS, Emilian (Ecole Polytechnique)

Coffee (10:30-11:00)**Parallel session - Room 3 (29 Aug 2017, 11:00-13:30)****-Conveners: Gonzalez-Mestres, Luis (John Naisbitt University)**

time	[id] title	presenter
11:00	[1494] Directional dark matter search with nuclear emulsion (25 minutes)	Dr ASADA, Takashi (LNGS)
11:25	[1503] Hadronic molecules in a constituent quark model (25 minutes)	ORTEGA, Pablo G. (University of Salamanca)

Parallel session - Room 4 (29 Aug 2017, 11:00-12:25)**-Conveners: Adli, Erik (University of Oslo (NO))****Special session on Astro-Cosmo-Gravity - Room 1 (Auditorium, Main Session) (29 Aug 2017, 11:00-13:30)****-Conveners: Mishustin, Igor (Goethe University)**

time	[id] title	presenter
11:00	[1187] Hot and dense nuclear matter in astrophysics (30 minutes)	Dr CONSTANTINOU, Constantinos
11:30	[1191] Domain Walls in the Early Universe and Generation of Matter and Antimatter Domains (30 minutes)	GODUNOV, Sergey (ITEP)

Workshop on (Super)gravity, String theory and Related Topics - Room 2 (29 Aug 2017, 11:00-13:15)**-Conveners: Sagnotti, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))**

time	[id] title	presenter
11:00	[1530] On higher spin supertranslations and superrotations (45 minutes)	FRANCIA, Dario (Scuola Normale Superiore)
11:45	[1533] Corner contributions to holographic entanglement entropy in AdS ₄ /BCFT ₃ (45 minutes)	SEMINARA, Domenico (Physics Department)
12:30	[1534] Primordial Inflation and Power Spectra (45 minutes)	NIKOLAOS, Tsamis

Lunch (13:30-14:30)**Break (14:30-15:00)****Workshop on (Super)gravity, String theory and Related Topics - Room 1 (Auditorium, Main Session) (29 Aug 2017, 15:00-16:00)****-Conveners: Sagnotti, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))**

time	[id] title	presenter
15:00	[1525] Using Numerical Relativity to explore Fundamental Physics and Astrophysics (1 hour)	REZZOLLA, Luciano (Goethe University Frankfurt)

Coffee (16:00-16:30)**Workshop on (Super)gravity, String theory and Related Topics - Room 1 (Auditorium, Main Session) (29 Aug 2017, 16:30-16:35)****-Conveners: Sagnotti, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))**

time	[id] title	presenter
16:30	[1556] Conclusion (5 minutes)	SAGNOTTI, Augusto (Scuola Normale Superiore and INFN-Sezione di Pisa (IT))

Workshop on Future of Fundamental Physics - Room 1 (Auditorium, Main Session) (29 Aug 2017, 16:35-17:45)

-Conveners: Zimmermann, Frank (CERN)

time	[id] title	presenter
16:35	[1557] The FCC-ee study (TBC) (30 minutes)	KORATZINOS, m (Universite de Geneve (CH))
17:05	[1549] LBNF/DUNE: status and future plans (Preliminary title TBC) (40 minutes)	BERTOLUCCI, Sergio (Istituto Nazionale Fisica Nucleare Frascati (IT))

Closing of the conference (17:45-18:15)

Dinner (19:30-20:30)