

The 19th Particles and Nuclei International Conference (PANIC11)

Monday 25 July	Tuesday 26 July	Wednesday 27 July	Thursday 28 July	Friday 29 July
8:30 Opening Remarks Kresge Auditorium Chair: Richard Milner (MIT) Dr. Susan Hockfield, President of MIT Prof. Edmund Bertschinger, Head of MIT Dept. of Physics	Plenary 2 Kresge Auditorium (08:30-10:15) Chair: Johanna Stachel (University of Heidelberg)	Plenary 3 Kresge Auditorium (08:30-10:15) Chair: Frithjof Karsch (Brookhaven National Laboratory)	Plenary 4 Kresge Auditorium (08:30-10:15) Chair: Jean-Paul Blaizot (CEA, France)	Plenary 5 Kresge Auditorium (08:30-10:15) Chair: Giorgio Gratta (Stanford University)
Plenary 1 Kresge Auditorium (08:55-10:05) Chair: Susan Seestrom (LANL)	8:30 P2-1 <i>Glimpsing the Fly in the Cathedral: Marking the Centennial of the First Description of the Atomic Nucleus</i> Brian CATHCART (Kingston University)	8:30 P3-1 <i>Recent Progress in Applying Gauge/ Gravity Duality to Quark-Gluon Plasma and Nuclear Physics</i> Andreas KARCH (Univ. of Washington)	8:30 P4-1 <i>Collective Behavior in Heavy Ion Collisions</i> Constantin LOIZIDES (LBNL)	8:30 P5-1 <i>Latest Results in Heavy Flavour Physics</i> Guy WILKINSON (University of Oxford)
8:55 P1-1 <i>Dark matter: new results from direct detection</i> Laura BAUDIS (University of Zurich)	9:05 P2-2 <i>New Physics Discoveries at the Quark and Lepton Luminosity Frontiers or From precision tests to LHC discoveries & Back</i> Gilad PEREZ (Weizmann Institute)	9:05 P3-2 <i>Light Baryon Spectroscopy</i> Volker CREDE (Florida State University)	9:05 P4-2 <i>Hard Probes of Quark-Gluon Plasma in Heavy Ion Collisions</i> Carlos SALGADO (University of Santiago de Compostela)	9:05 P5-2 <i>Seeking the origin of mass: Higgs searches at Colliders</i> Wade FISHER (Michigan State University)
9:30 P1-2 <i>Searches for Physics Beyond the Standard Model at the Tevatron and LHC</i> Peter WITTICH (Cornell University)	9:40 P2-3 <i>Probing Hadron Structure & New Physics with Parity Violating Electron Scattering</i> Jeffery MARTIN (The Univ. of Winnipeg)	9:40 P3-3 <i>Neutron Star Mass and Radius Measurements and the Equation of State of Cold Dense Matter</i> Scott RANSOM (Nat'l Radio Astron. Obs.)	9:40 P4-3 <i>Recent Results in Particle and Nuclear Physics from Lattice QCD</i> Tetsuo HATSUDA (University of Tokyo)	9:40 P5-3 <i>Dark Matter in the Era of Data</i> Neal WEINER (NYU)
Coffee Break (10:15-10:45)				
Plenary 1 Kresge Auditorium (10:45-12:00) Chair: Cynthia Keppel (Hampton University)	Plenary 2 Kresge Auditorium (10:45-12:00) Chair: Dan-Olof Riska (University of Helsinki (Finland))	Plenary 3 Kresge Auditorium (10:45-12:10) Chair: Donald Geesaman (Argonne National Laboratory)	Plenary 4 Kresge Auditorium (10:45-12:00) Chair: Pervez Hoodbhoy (Quaid-e-Azam Univ., Pakistan)	Plenary 5 Kresge Auditorium (10:45-12:10) Chair: Joachim Mnich (DESY (Germany))
10:45 P1-3 <i>The Radial Distribution of the Proton and its Constituents</i> Haiyan GAO (Duke University)	10:45 P2-4 <i>Neutrino Cross Sections</i> Geraldyn ZELLER (Fermilab)	10:45 P3-4 <i>Connecting the LHC to ultra-high energy cosmic rays: from 10 to 100 TeV CMS</i> Ralph ENGEL (Karlsruhe Inst. of Tech.)	10:45 P4-4 <i>W, Z, and top</i> Joao GUIMARAES de COSTA (Harvard University)	10:45 P5-4 <i>Future Directions of Accelerator-based HEP and NP Facilities</i> Thomas ROSER (BNL)
11:20 P1-4 <i>The Quark-Gluon Structure of the Nucleon</i> Naomi MAKINS (University of Illinois)	11:20 P2-5 <i>Probing Neutrino Masses and Mixings with Accelerator and Reactor Neutrinos</i> Mike SHAEVITZ (Columbia University)	11:20 P3-5 <i>A Progress Report on the AMS Experiment</i> Andrei KOUNINE (MIT)	11:20 P4-5 <i>Jets in Standard Model and Beyond Standard Model Physics</i> Gavin SALAM (CERN; Princeton; LPTHE/CNRS)	11:20 P5-5 <i>Closing Perspective</i> Steven E. KOONIN (Under Secretary for Science, DOE)
		11:40 P3-6 <i>J-PARC Status after the Earthquake on March 11</i> Kazuhiro TANAKA (J-PARC)		12:00 P5-6 Conference Closing Peter FISHER (MIT)
		12:00 Poster Awards		
Lunch (12:00-13:30)		Lunch (12:10-13:30)		Lunch (12:00-13:30)
Parallel Sessions (13:30-15:30) & (16:00-18:00)		Afternoon Free		Parallel Sessions (13:30-15:30) & (16:00-18:00)
Parallel Session (13:30-15:30) Poster Session (15:30-17:30)				Conference Ends
Public Lectures Kresge Auditorium				
19:00 <i>Glimpsing the Fly in the Cathedral: Ernest Rutherford and the Atomic Nucleus</i> Brian CATHCART (Kingston University)				
19:45 <i>Rutherford's Legacy in Particle Physics - Exploring the Proton</i> Jerome FRIEDMAN (MIT)				

Parallel Sessions Monday Afternoon

1A - Parity Violating Scattering W20-307 (Mezzanine Lounge) (13:30-15:30) Chair: Rolf Ent (JLab)	1B - Nuclear Effects & Hadronization W20-306 (20 Chimneys) (13:30-15:30) Chair: Christine Aidala (LANL)	1C - Recent Baryon Results I W20-201 (West Lounge) (13:30-15:30) Chair: Kim Maltman (York University)	1D - Kaonic Atoms and Hypernuclear Physics 4-149 (13:30-15:30) Chair: Reinhard Beck (Bonn)	1E - Neutrino Oscillations I 4-163 (13:30-15:30) Chair: Joseph Formaggio (MIT)	1F - Dark Forces and Dark Matter 4-153 (13:30-15:30) Chair: Jesse Thaler (MIT)
13:30 1A-1 <i>Strangeness Contributions to the Nucleon Vector Form-Factors: Results from HAPPEX-III</i> Mark DALTON (Univ. of Virginia)	13:30 1B-1 <i>New Hints To The Cause Of The EMC Effect</i> Douglas HIGINBOTHAM (Jefferson Lab)	13:30 1C-1 <i>Baryon Spectroscopy with Polarized Photon Beams at ELSA</i> Daniel ELSNER (University of Bonn)	13:30 1D-1 <i>Probing Strong Interaction - the SIDDHARTA Experiment</i> Johann ZMESKAL (Stefan Meyer Institute, Vienna)	13:30 1E-1 <i>T2K Neutrino Oscillation Results</i> Kimihiko OKUMURA (Institute for Cosmic Ray Research, Univ. of Tokyo)	13:30 1F-1 <i>Searches for Light New Physics with BABAR</i> Bertrand ECHENARD (Caltech)
13:50 1A-2 <i>Gamma-Z box contributions to parity violating elastic electron proton scattering</i> Carl CARLSON (College of William and Mary)	13:50 1B-2 <i>Coulomb Sum Rule at 0.55 GeV/c <= q <= 1.0 GeV/c</i> Huan YAO (Temple University)			13:50 1E-2 <i>The latest results from the IceCube experiment.</i> Joanna KIRYLUK (Lawrence Berkeley National Laboratory)	13:50 1F-2 <i>Experimental search for a new vector boson A'</i> Bogdan WOLTSEKHOWSKI (TJNAF)
		14:00 1C-2 <i>Baryon Spectroscopy with CLAS at Jefferson Lab</i> Eugene PASYUK (Jefferson Lab)	14:00 1D-2 <i>K- Nuclear Potentials Based on Chiral Meson-Baryon Amplitudes</i> Jiri MARES (Nuclear Physics Institute, Czech Republic)		
14:10 1A-3 <i>e-2H Parity Violating Deep Inelastic Scattering (PVDIS) at CEBAF 6 GeV</i> Kai PAN (MIT)	14:10 1B-3 <i>Dihadron Fragmentation Functions in Perturbative QCD</i> Jian ZHOU (Temple University)			14:10 1E-3 <i>Short-Baseline Neutrino Physics at MiniBooNE</i> Eric ZIMMERMAN (University of Colorado)	14:10 1F-3 <i>Searching for Old (and New) Light Bosons with the Axion Dark Matter Experiment (ADMX)</i> Gianpaolo CAROSI (Lawrence Livermore National Laboratory)
14:30 1A-4 <i>Combined Measurement of Neutral and Charged Current Cross Sections at HERA</i> Rik YOSHIDA (Argonne National Laboratory)	14:30 1B-4 <i>Studies of Hadronization Mechanisms using Pion Electroproduction in Deep Inelastic Scattering from Nuclei</i> William BROOKS (Universidad Tecnica Federica Santa Maria)	14:30 1C-3 <i>An Alternative View of the Dynamical Origin of the P11 Nucleon Resonances: Results from the Excited Baryon Analysis Center</i> Hiroyuki KAMANO (Jefferson Lab)	14:30 1D-3 <i>Hypernuclei Formation Probability as a Function of the Atomic Mass Number A</i> Germano BONOMI (University of Brescia and INFN Pavia)	14:30 1E-4 <i>New Solar Neutrino Measurements in Borexino</i> Laura CADONATI (University of Massachusetts, Amherst)	14:30 1F-4 <i>Searching for Dark Forces in Electron-Proton Scattering</i> Rebecca RUSSELL (MIT)
14:50 1A-5 <i>Neutron Structure Functions at Large x</i> Cynthia KEPPEL (Hampton University / Jefferson Lab)	14:50 1B-5 <i>The Search for QCD in Nuclei: a Jefferson Lab Perspective</i> Dutta DIPANGKAR (Mississippi State University)	14:50 1C-4 <i>A Plausible Explanation Of The Delta(5/2+) (2000) Puzzle</i> Pedro GONZALEZ (Universidad de Valencia)	14:50 1D-4 <i>The third generation (e,e'K+) hypernuclear spectroscopic experiment at JLab Hall-C</i> Daisuke KAWAMA (Tohoku University)	14:50 1E-5 <i>Latest News from Double Chooz Reactor Neutrino Experiment</i> Masahiro KUZE (Tokyo Institute of Technology)	14:50 1F-5 <i>Sticky Dark Matter in the Effective Field Theory Approach</i> Andriy BADIN (Duke University)
15:10 1A-6 <i>Parity-Violation in DIS at JLab at 12 GeV</i> Paul SOUDER (Syracuse University)	15:10 1B-6 <i>Gluon Saturation in QCD at High Energy: Beyond Leading Logarithms</i> Guillaume BEUF (Brookhaven National Laboratory)	15:10 1C-5 <i>Meson Photoproduction with the Crystal Ball at MAMI</i> Sven SCHUMANN (MIT)	15:10 1D-5 <i>Search for KbarNN Bound State by Stopped K- Absorption Reactions on 3He at J-PARC</i> Hiroyuki FUJIOKA (Kyoto University)	15:10 1E-6 <i>Neutrino and B-meson oscillation: A simple common treatment</i> Boris KAYSER (Fermilab)	15:10 1F-6 <i>Determining H0 and q0 from Supernova Data</i> Baolian CHENG (LANL)

Coffee Break (15:30-16:00)

Parallel Sessions Monday Afternoon

1G - P- and T-violating weak decays Kresge Rehearsal A (13:30-15:30) Chair: Klaus Kirsch (PSI-ETHZ)	1H - Electroweak Cross Sections at the TeV Scale Kresge Rehearsal B (13:30-15:30) Chair: Beate Heinemann (UC Berkeley)	1I - CKM & CP Violation Kresge Little Theatre (13:30-15:30) Chair: Ulrik Egede (Imperial College)	1J - Collider Searches Beyond the Standard Model Kresge Auditorium (13:30-15:30) Chair: Peter Wittich (Cornell University)	1K - Hydrodynamics W20-407 (13:30-15:30) Chair: Peter Jacobs (LBNL)	1L - Heavy Ion Collisions I W20-491 (13:30-15:30) Chair: Jim Thomas (LBNL)
13:30 1G-1 <i>Tracing Remnants of the Baryon Vector Current Anomaly in Neutron Radiative beta-Decay</i> Daheng HE (Univ. of Kentucky)	13:30 1H-1 ATLAS <i>Measurements of Electroweak Boson Production Cross Sections</i> Christian GOERINGER (Universitaet Mainz)	13:30 1I-1 <i>CKM and CP violation results from BABAR</i> Marcello ROTONDO (INFN)	13:30 1J-1 <i>Search for Squarks and Gluinos Using Different Final States with the ATLAS Detector</i> Marc HOHLFELD (Universitaet Mainz)	13:30 1K-1 <i>Nearly perfect fluidity: from cold atoms to the quark gluon plasma</i> Thomas SCHAEFER (North Carolina State University)	13:30 1L-1 <i>First Results with Heavy-Ion Collisions at the LHC from ALICE</i> Domenico ELIA (INFN Bari, Italy)
13:50 1G-2 <i>Transverse Electron Polarization in the Neutron Decay - Direct Search for Scalar and Tensor Couplings in Weak Interaction</i> Kazimierz BODEK (Jagiellonian University)	13:50 1H-2 ATLAS <i>Measurements of Isolated Photon Cross Sections</i> Marcello FANTI (Universita di Milano e INFN)	13:50 1I-2 <i>CP violation results from CDF</i> Austin NAPIER (Tufts University)	13:50 1J-2 <i>ISR Tagging</i> David KROHN (Harvard University)	14:00 1K-2 <i>The viscosity of quark-gluon plasma at RHIC and the LHC</i> Ulrich HEINZ (The Ohio State University)	13:50 1L-2 <i>Charged Particle Production in $\sqrt{s_{NN}}=2.76$ TeV Pb+Pb Collisions</i> Dominik DERENDARZ (Polish Academy of Sciences)
14:10 1G-3 <i>Muon Capture on the Proton and Determination of the Nucleon's Pseudoscalar Form Factor g_P</i> Peter WINTER (University of Washington)	14:10 1H-3 <i>Tevatron Measurements of Electroweak Boson Production</i> Ryan HOOPER (Lewis University)	14:10 1I-3 <i>Studies of CP violation in B^0_s rightarrow $J/\psi + \phi/f_0$ decays</i> Ricardo MAGANA (CINVESTAV)	14:10 1J-3 <i>Search for Supersymmetry at CMS in all-hadronic final states</i> Matthias SCHROEDER (University of Hamburg)		14:10 1L-3 <i>Two-particle correlations in pp and PbPb collisions in CMS</i> Wei LI (MIT)
14:30 1G-4 <i>Beyond the Standard Model with Precision Nucleon Matrix Elements on the Lattice</i> Huey-Wen LIN (University of Washington)	14:30 1H-4 <i>Tevatron Results on Diboson Production</i> Wesley KETCHUM (University of Chicago)	14:30 1I-4 <i>Search for CP violation in the $B^0_s - \bar{B}^0_s$ system</i> Moritz KARBACH (Dortmund)	14:30 1J-4 <i>Search for R-Parity violating SUSY and Long Lived Particles with the ATLAS Detector</i> Michael MAZUR (Universitat Bonn)	14:30 1K-3 <i>Spin Transport in Strongly Interacting Fermi Gases</i> Ariel SOMMER (MIT)	14:30 1L-4 <i>Two-particle "ridge" correlations from high-energy QCD evolution</i> Adrian DUMITRU (Baruch College (CUNY) and RIKEN-BNL)
14:50 1G-5 <i>Muon Decay Parameters from TWIST</i> Arthur OLIN (TRIUMF/University of Victoria)	14:50 1H-5 <i>Measurement of inclusive Wgamma and Zgamma production at CMS</i> Rahmat RAHMAT (University of Mississippi)	14:50 1I-5 <i>$B_s^0 - \bar{B}_s^0$ and $B_d^0 - \bar{B}_d^0$ Mixing from Lattice QCD</i> Elizabeth FREELAND (University of Illinois Urbana-Champaign)	14:50 1J-5 <i>Correlations between High-pT Physics and Flavour Physics: Flavour Violating Squark and Gluino Decays</i> Tobias HURTH (Johannes Gutenberg University Mainz)	14:50 1K-4 <i>Universal Quantum Viscosity in a Unitary Fermi Gas</i> Chenglin CAO (Duke University)	14:50 1L-5 <i>Dimuon results in PbPb and pp collisions in CMS</i> Manuel CALDERON de la BARCA SANCHEZ (UC Davis)
15:10 1G-6 <i>The MuLan Experiment: A New Measurement of the Fermi Constant</i> Robert CAREY (Boston University)	15:10 1H-6 <i>W and Z production in the forward region with the LHCb experiment</i> Philip James ILTEN (Dublin)	15:10 1I-6 <i>Measurements on B-hadron angular correlations at 7 TeV with the CMS experiment</i> Leonardo SALA (ETH Zurich)	15:10 1J-6 <i>Search for Supersymmetry at CMS in lepton or photon final states</i> Konstantinos THEOFILATOS (ETH Zurich)	15:10 1K-5 <i>Latest flow results from PHENIX at RHIC</i> Eric RICHARDSON (University of Maryland)	15:10 1L-6 <i>Quarkonium Production in p-p and Pb-Pb Collisions with ALICE at the LHC</i> Hugo PEREIRA (CEA, Saclay)

Coffee Break (15:30-16:00)

Parallel Sessions Monday Afternoon

	2A - Generalized Parton Distributions W20-307 (Mezzanine Lounge) (16:00-17:40) Chair: Rolf Ent (JLab)	2B - Parton Distribution Functions and Fits W20-306 (20 Chimneys) (16:00-17:40) Chair: Christine Aidala (LANL)	2C - Recent Baryon Results II W20-201 (West Lounge) (16:00-17:40) Chair: Curtis Meyer (Carnegie Mellon University)	2D - Particle Astrophysics 4-149 (16:00-17:40) Chair: Ralph Engel (Karlsruhe Institute of Technology)	2E - Neutrino Interactions 4-163 (16:00-17:40) Chair: Joseph Formaggio (MIT)	2F - Dark Matter I 4-153 (16:00-17:40) Chair: Eneclali Figueroa-Feliciano (MIT)
16:00	2A-1 <i>Hard Exclusive Electroproduction of Vector Mesons at HERMES</i> Witold AUGUSTYNIAK (Soltan Institute for Nuclear Studies, Warsaw)	16:00 2B-1 <i>Transverse Momentum Dependent partonic distribution and fragmentation functions</i> Mariaelena BOGLIONE (University of Turin - INFN Torino (Italy))	16:00 2C-1 <i>Excited-state hadron masses from lattice QCD</i> Colin MORNINGSTAR (Carnegie Mellon University)	16:00 2D-1 <i>Results from the Telescope Array Experiment</i> Pierre SOKOLSKY (University of Utah)	16:00 2E-1 <i>Charged current neutrino scattering in MINERVA</i> Ronald RANSOME (Rutgers University)	16:00 2F-1 <i>Results from the Second Science Run of ZEPLIN-III</i> Henrique ARAUJO (Imperial College London)
			16:20 2C-2 <i>Nucleon Excitations in 2+1 Flavor QCD</i> Md Selim MAHBUB (University of Adelaide)	16:20 2D-2 <i>Overview of the results of the Pierre Auger Observatory</i> Piera L. GHIA (Pierre Auger Collaboration)	16:20 2E-2 <i>Charm Dimuon Production in Neutrino-Nucleon Interactions in the NOMAD Experiment</i> Oleg SAMOYLOV (Joint Institute for Nuclear Research)	16:20 2F-2 <i>Searching for Dark Matter with COUPP</i> Hugh LIPPINCOTT (Fermilab)
16:30	2A-2 <i>Overview of Recent DVCS Results from HERMES</i> Sergey YASHCHENKO (DESY Zeuthen)	16:30 2B-2 <i>Towards a Global NNLO Parton Distribution Functions Fit Using the NNPDF Methodology</i> Alberto GUFFANTI (Albert-Ludwigs-Universitaet Freiburg)				
			16:40 2C-3 <i>Properties of the Lambda(1405) Hyperon Studied at CLAS Using Photoproduction</i> Kei MORIYA (Indiana University)	16:40 2D-3 <i>Effects of the Galactic Magnetic Field on Observed Properties of Ultra-High Energy Cosmic Rays</i> Azadeh KEIVANI (Louisiana State University)	16:40 2E-3 <i>Study of Neutrino Interactions by T2K Near Detector Complex</i> Bruce BERGER (Colorado State University)	16:40 2F-3 <i>EDELWEISS</i> Hans KRAUS (University of Oxford)
17:00	2A-3 <i>Deeply Virtual Compton Scattering and Meson Production at JLab/CLAS</i> Hyon-Suk JO (IPN-Orsay)	17:00 2B-3 <i>Determination of PDFs and alphas from Inclusive and Jet Measurements in DIS at HERA</i> Guenter GRINDHAMMER (Max Planck Institute for Physics)	17:00 2C-4 <i>Photoproduction of Mesons off the Deuteron</i> Bernd KRUSCHE (University of Basel)	17:00 2D-4 <i>High-Energy Neutrino Flux Studied in the ANTARES Deep-Sea Telescope</i> Herbert LOEHNER (KVI, University of Groningen)	17:00 2E-4 <i>Relativistic models for quasi-elastic neutrino-nucleus scattering</i> Maria Benedetta BARBARO (Turin University - Department of Theoretical Physics, Italy)	17:00 2F-4 <i>Direct Dark Matter and Axion Detection with CUORE</i> Marco VIGNATI (Universita di Roma/INFN-Roma)
17:20	2A-4 <i>A Flexible Parameterization of Generalized Parton Distributions and Their Role in Deeply Virtual Compton Scattering and Neutral Meson Leptonproduction</i> Gary GOLDSTEIN (Tufts University)	17:20 2B-4 <i>The CTEQ-JLab parton distributions at large x</i> Cynthia KEPPEL (Hampton University / Jefferson Lab)	17:20 2C-5 <i>Coupled-Channel Bethe-Salpeter Approach to Pion-Nucleon Scattering</i> Maxim MAI (HISKP and Bethe Center, University Bonn)	17:20 2D-5 <i>Supernova Nucleosynthesis and Neutrino Oscillation</i> Taka KAJINO (National Astronomical Observatory, University of Tokyo)	17:20 2E-5 <i>Neutrino Quasielastic Scattering on Nuclear Targets: Parametrizing Transverse Enhancement (Meson Exchange Currents)</i> Arie BODEK (University of Rochester)	17:20 2F-5 <i>Status and Prospects of the DMTPC Directional Dark Matter Experiment</i> Jocelyn MONROE (MIT)

Parallel Sessions Monday Afternoon

	2G - Precision tests of CPT and QED Kresge Rehearsal A (16:00-17:40) Chair: Klaus Jungmann (University of Groningen)	2H - Heavy Quark Production Kresge Rehearsal B (16:00-17:40) Chair: Andre Hoang (University of Vienna)	2I - Heavy Flavor Rare Decays Kresge Little Theatre (16:00-17:40) Chair: Kay Kinoshita (University of Cincinnati)	2K - Hydrodynamics W20-407 (16:00-17:40) Chair: Ron Soltz (Lawrence Livermore National Laboratory)	2L - Heavy Ion Collisions II W20-491 (16:00-17:40) Chair: Gunther Roland (MIT)
16:00	2G-1 <i>Testing Lorentz Invariance and other Fundamental Symmetries in $^3\text{He}/^{129}\text{Xe}$ Clock-comparison Experiments</i> Sergei KARPUK (Johannes Gutenberg Universitaet Mainz)	16:00 2H-1 <i>Inclusive b-\bar{b} Production in ATLAS</i> Patrick JUSSEL (University of Innsbruck)	16:00 2I-1 <i>Rare Decay Searches with BABAR</i> Andrew M. RULAND (UT Austin)	16:00 2K-1 <i>Equation of State of Strongly Interacting Fermi Gas</i> Mark KU (MIT)	16:00 2L-1 <i>Fragmentation Functions in Medium, two-particle correlations and Jets in PHENIX at RHIC</i> Michael TANNENBAUM (BNL)
16:20	2G-2 <i>Testing CPT with Antiprotonic Helium and Antihydrogen</i> Eberhard WIDMANN (Stefan Meyer Institute, Vienna)		16:20 2I-2 <i>Searches for new physics through rare decays from CDF</i> Robert HARR (Wayne State University)	16:20 2K-2 <i>Event-by-event hydrodynamics for heavy ion collisions with fluctuating initial profiles</i> Zhi QIU (Ohio State University)	16:20 2L-2 <i>High p_T inclusive hadron and photon spectra in pp and $PbPb$ collisions</i> Sevil SALUR (UC Davis)
16:40	2G-3 <i>The first direct observation of positronium hyperfine splitting</i> Taikan SUEHARA (The University of Tokyo)	16:40 2H-2 <i>b-quark production at 7 TeV with the CMS experiment</i> Valery ANDREEV (UCLA)	16:40 2I-3 <i>Rare decays at LHCb</i> Ulrik EGEDE (Imperial College)	16:40 2K-3 <i>Triangular Flow in Relativistic Heavy Ion Collisions in an Event-by-Event Hybrid Approach</i> Hannah PETERSEN (Duke University)	16:40 2L-3 <i>Direct photon production at RHIC</i> Yoki ARAMAKI (RIKEN)
17:00	2G-4 <i>The proton radius puzzle</i> Antognini ALDO (Institut fur Teilchenphysik (IPP))	17:00 2H-3 <i>Charm Mass Determination from QCD Charmonium Sum Rules at Order α_s^3</i> Vicent MATEU (MIT)	17:00 2I-4 <i>Radiative and Semileptonic Penguin Decays</i> Tobias HURTH (Johannes Gutenberg University)	17:00 2K-4 <i>Elliptic Flow Measured in a Large Phase Space in $\sqrt{s_{NN}}=2.76$ TeV $Pb+Pb$ Collisions</i> Soumya MOHAPATRA (SUNY Stony Brook)	17:00 2L-4 <i>Massive QCD antenna radiation in medium</i> Hao MA (Universidad de Santiago de Compostela)
17:20	2G-5 <i>Confinement of antihydrogen for 1000 seconds</i> Makoto FUJIWARA (TRIUMF/University of Calgary)		17:20 2I-5 <i>More Opportunities to Probe New Physics in $b \rightarrow s \bar{l} b l$</i> Danny VAN DYK (TU Dortmund)	17:20 2K-5 <i>Hydrodynamic flow in $Pb+Pb$ collisions observed via azimuthal angle correlations of charged hadrons</i> Eric Andrew APPELT (Vanderbilt University)	17:20 2L-5 <i>Non-perturbative Jet Quenching from Geometric Data</i> Jinfeng LIAO (BNL)

Parallel Sessions Tuesday Afternoon

3A - Form Factors & Radii W20-307 (Mezzanine Lounge) (13:30-15:30) Chair: Rolf Ent (JLab)	3B - Transverse Spin & TMDs W20-306 (20 Chimneys) (13:30-15:30) Chair: Christine Aidala (LANL)	3C - Meson Spectroscopy and Exotics W20-201 (West Lounge) (13:30-15:30) Chair: Colin Morningstar (Carnegie Mellon University)	3D - Nuclear Astrophysics I 4-149 (13:30-15:30) Chair: Dustin McNulty (Idaho State University)	3E - Neutrino Experiments I 4-163 (13:30-15:30) Chair: Gerilyn Zeller (Fermilab)	3F - Dark Matter II 4-153 (13:30-15:30) Chair: Jocelyn Monroe (MIT)
13:30 3A-1 <i>The Charge Radius of the Proton, a 5 Sigma Discrepancy?</i> Gil PAZ (The University of Chicago)	13:30 3B-1 <i>Accessing TMDs at HERMES</i> Luciano PAPPALARDO (INFN - Ferrara)	13:30 3C-1 <i>Hadron Spectroscopy with COMPASS</i> Boris GRUBE (Technische Universität München)	13:30 3D-1 <i>The Shear Viscosity over Entropy Density Ratio in Nuclei</i> Naftali AUERBACH (Tel Aviv University)	13:30 3E-1 <i>NOvA Experiment</i> Jaroslav NOWAK (University of Minnesota)	13:30 3F-1 <i>Towards Direct Detection of Dark Matter with SuperCDMS</i> Enctali FIGUEROA-FELICIANO (MIT)
13:50 3A-2 <i>Resolution Of The Proton Size Puzzle via Form Factor of Off-Shell Proton</i> Gerald MILLER (University of Washington)			13:50 3D-2 <i>Chiral asymmetry and axial anomaly in magnetized relativistic matter</i> Igor SHOVKOVY (Arizona State University)	13:50 3E-2 <i>Measuring the Mass Scale of Neutrinos</i> Joseph FORMAGGIO (MIT)	13:50 3F-2 <i>Status and Prospects of the MiniCLEAN Dark Matter Experiment</i> Keith RIELAGE (LANL)
	14:00 3B-2 <i>Constraining Quark Transversity through Collins Asymmetry Measurements at STAR</i> Renee FATEMI (University of Kentucky)	14:00 3C-2 <i>Excited light meson spectroscopy from lattice QCD</i> Christopher THOMAS (JNL)			
14:10 3A-3 <i>Final Results of the GEp(III) Experiment at Jefferson Lab</i> Charles F. PERDRISAT (College of William and Mary)			14:10 3D-3 <i>Chiral nuclear forces with explicit Delta resonance</i> Hermann KREBS (Ruhr-University Bochum)	14:10 3E-3 <i>The KM3NeT Consortium and the Northern Hemisphere Neutrino Telescope</i> Andrea BERSANI (INFN Genova)	14:10 3F-3 <i>Current Status of LUX Dark Matter Experiment.</i> Alexey LYASHENKO (Yale University)
14:30 3A-4 <i>Measurements of the Two-Photon Exchange Effect in Lepton-Proton Elastic Scattering at CLAS</i> Robert BENNETT (Old Dominion University)	14:30 3B-3 <i>Applications of Semi-Inclusive Meson-Electro Production in Hall C at JLab</i> Stephen WOOD (Jefferson Laboratory)	14:30 3C-3 <i>Study of Light Hadron Spectroscopy at BESIII</i> Yadi WANG (University of Science and Technology of China)	14:30 3D-4 <i>Non-congruence of liquid-gas phase transition of asymmetric nuclear matter</i> Toshiki MARUYAMA (Japan Atomic Energy Agency)	14:30 3E-4 <i>Measurement of the bound beta-decay of the free neutron</i> Johannes SCHOEN (Technische Universität München)	14:30 3F-4 <i>SNOLAB: A Review of the Facility and Experiments</i> Richard FORD (SNOLAB)
14:50 3A-5 <i>The OLYMPUS Experiment</i> Richard MILNER (MIT)	14:50 3B-4 <i>Transverse Spin and Transverse Momentum Dependent Effects Measured at COMPASS</i> Rainer JOOSTEN (University of Bonn)	14:50 3C-4 <i>Amplitude Analysis of Charmonium Decays at CLEO-c</i> Mihajlo KORNICER (Indiana University)	14:50 3D-5 <i>Polarized Pairing in Neutron Star Crusts</i> Alexandros GEZERLIS (University of Washington)	14:50 3E-5 <i>The Daya Bay neutrino experiment</i> Wei WANG (University of Wisconsin-Madison)	14:50 3F-5 <i>Dark matter seeding in neutron stars</i> M Angeles PEREZ-GARCIA (Departamento de Física Fundamental and IUFFyM, University of Salamanca, Spain)
15:10 3A-6 <i>Studies of Nucleon Form Factors with 12 GeV CEBAF and SuperBigbite</i> Jens-Ole HANSEN (Jefferson Lab)	15:10 3B-5 <i>Measurement of the transverse single spin asymmetry of forward eta mesons in polarized p+p collisions in PHENIX.</i> David KLEINJAN (University of California - Riverside)	15:10 3C-5 <i>GlueX: Detector Construction and Event Simulations</i> Naomi JARVIS (Carnegie Mellon University)	15:10 3D-6 <i>Asymmetric Neutrino Reaction And Pulsar Kick In Magnetized Proto-Neutron Stars In Fully Relativistic Framework</i> Tomoyuki MARUYAMA (Nihon University)	15:10 3E-6 <i>DAEdALUS</i> Kate SCHOLBERG (Duke University)	15:10 3F-6 <i>Quantum Cold Dark Matter</i> Shane SPIVEY (University of Texas at Arlington)

Coffee Break (15:30-16:00)

Parallel Sessions Tuesday Afternoon

	3G - Parity-Violation in Neutral Currents Kresge Rehearsal A (13:30-15:30) Chair: Jeffery Martin (University of Winnipeg)	3H - Accelerator Physics Kresge Rehearsal B (13:30-15:30) Chair: William Barletta (MIT)	3I - Charm and Semileptonic Decays Kresge Little Theatre (13:30-15:30) Chair: Tobias Hurth (Johannes Gutenberg University)	3J - Standard Model Higgs Boson Kresge Auditorium (13:30-15:30) Chair: Iain Stewart (MIT)	3K Jet Substructure I W20-407 (13:30-15:30) Chair: Jesse Thaler (MIT)	3L - Heavy Ion Collisions III W20-491 (13:30-15:30) Chair: George Stephans (MIT)
13:30	3G-1 <i>The Qweak Experiment at Jefferson Laboratory</i> Roger CARLINI (Jefferson Laboratory)	13:30 3H-1 <i>The Belle-II Experiment at SuperKEKB</i> Gary VARNER (University of Hawaii)	13:30 3I-1 <i>Charm Physics Results at Belle</i> Eric WHITE (University of Cincinnati)	13:30 3J-1 <i>Higgs Production with a Central Jet Veto at NNLL+NNLO</i> Frank TACKMANN (MIT)	13:30 3K-1 <i>Peeking Inside Jets for Clues of New Physics</i> Christopher LEE (MIT)	13:30 3L-1 <i>Transport Coefficients of the Quark-Gluon Plasma: From Weak to Strong Coupling</i> Marcus BLUHM (Subatech)
13:50	3G-2 <i>Towards a precise Measurement of Atomic Parity Violation in a Single Ra+ Ion</i> Klaus JUNGSMANN (University of Groningen)	13:50 3H-2 <i>Development of a Polarized He-3 Ion Source for RHIC</i> Charles EPSTEIN (MIT)	13:50 3I-2 <i>Recent BABAR Charm Physics Results</i> Ray COWAN (MIT)	13:50 3J-2 <i>Tevatron Results on the Search for a High Mass Higgs Boson</i> Romain MADAR (CEA/Irfu/SPP)		13:50 3L-2 <i>Evaluation of Viscous Hydrodynamic Models in Relativistic Heavy Ion Collisions</i> Ron SOLTZ (Lawrence Livermore National Laboratory)
					14:00 3K-2 <i>Jets and Jet Substructure</i> Salvatore RAPPOCCIO (Johns Hopkins University)	
14:10	3G-3 <i>The FrPNC Experiment at TRIUMF: Atomic Parity Non-Conservation in Francium</i> Seth AUBIN (College of William and Mary)	14:10 3H-3 <i>Accelerator Design of High Luminosity Electron-Hadron Collider eRHIC</i> Vadim PTITSYN (Brookhaven National Laboratory)	14:10 3I-3 <i>Semileptonic B Decays into Orbitally Excited Charmed Mesons</i> Jorge SEGOVIA (University of Salamanca)	14:10 3J-3 <i>Tevatron Results on the Search for a Low Mass Higgs Boson</i> Jesus VIZAN (Universidad de Oviedo/Fermilab)		14:10 3L-3 <i>Heavy Flavor Measurements in Heavy Ion Collisions by PHENIX at RHIC</i> Darren MCGLINCHEY (Florida State University)
14:30	3G-4 <i>Nuclear Spin-Dependent Parity Violation in Diatomic Molecules</i> Sidney CAHN (Yale University)	14:30 3H-4 <i>Injection Study of the Radianc 330 Synchrotron with a 1.6 MeV RFQ Linac</i> Fuhua WANG (MIT)	14:30 3I-4 <i>Like-sign dimuon charge asymmetry at D\O</i> Penny KASPER (Fermilab)	14:30 3J-4 <i>Higgs Bosons at CMS</i> John CONWAY (UC Davis)	14:30 3K-3 <i>Full Jet Reconstruction in Heavy Ion Collisions with the STAR Detector at RHIC</i> Gabriel DE BARROS (University of Sao Paolo)	14:30 3L-4 <i>The High Transverse Momentum Non-Photonic Electron Measurements in Au+Au Collisions at Center-of-Mass Energies of 200GeV at RHIC/STAR</i> Wenqin XU (UCLA)
14:50	3G-5 <i>The NPDGamma Experiment at the SNS</i> Christopher CRAWFORD (University of Kentucky)	14:50 3H-5 <i>The first muon beam from the new high-intense DC muon source, MuSIC</i> Nam Hoai TRAN (Osaka University)	14:50 3I-5 <i>Measurements of the Bs mixing phase at CDF</i> Robert HARR (Wayne State University)	14:50 3J-5 <i>ATLAS Higgs Boson Search</i> Joost VOSSEBELD (University of Liverpool)		14:50 3L-5 <i>Open Heavy Flavor Production at LHC p-p & Pb-Pb Collisions as seen by ALICE</i> Zaida CONESA DEL VALLE (CERN)
15:10	3G-6 <i>Hadronic Parity Violation in Effective Field Theory</i> Matthias R SCHINDLER (University of South Carolina)	15:10 3H-6 <i>The EMMA Non-Scaling FFAG Project and Its Implications for Intensity Frontier Accelerators</i> Hywel OWEN (University of Manchester)	15:10 3I-6 <i>Results and prospects for Charm Physics at LHCb</i> Michael ALEXANDER (Glasgow)	15:10 3J-6 <i>Geneva: A new event generator</i> Saba ZUBERI (LBL)	15:10 3K-4 <i>Medium Induced Collinear Radiation from Soft Collinear Effective Theory (SCET)</i> Francesco D'ERAMO (MIT)	

Coffee Break (15:30-16:00)

Parallel Sessions Thursday Afternoon

4A - QCD & Hadron Structure W20-307 (Mezzanine Lounge) (13:30-15:30) Chair: Rolf Ent (JLab)	4B - Helicity Structure of the Nucleon W20-306 (20 Chimneys) (13:30-15:30) Chair: Christine Aidala (LANL)	4C - Charm and Strange Spectroscopy W20-201 (West Lounge) (13:30-15:30) Chair: Kei Moriya (Indiana University)	4E - Neutrinoless Double Beta Decay 4-163 (13:30-15:30) Chair: Kimihiro Okumura (Institute for Cosmic Ray Research, Tokyo)	4F - Lepton Flavor Violation 4-153 (13:30-15:30) Chair: Jim Miller (Boston University)
13:30 4A-1 <i>Electromagnetic Polarizabilities: Lattice QCD in Background Fields</i> Brian TIBURZI (MIT)	13:30 4B-1 <i>New COMPASS Results on Longitudinal Spin Effects</i> Marcin STOLARSKI (LIP-Lisboa)	13:30 4C-1 <i>Charmonium and Charmonium-like States with BABAR</i> Torsten SCHROEDER (Ruhr University, Bochum)	4E-1 <i>The Enriched Xenon Observatory (EXO)</i> Liang YANG (SLAC National Accelerator Laboratory)	13:30 4F-1 <i>Recent results from the MEG experiment</i> Alessandro BALDINI (INFN)
13:50 4A-2 <i>Precision Measurement of the Neutron d_2: Probing the Lorentz Color Force</i> David FLAY (Temple University)	14:00 4B-2 <i>Spin Physics with the PHENIX detector at RHIC</i> Abhay DESHPANDE (Stony Brook University)	14:00 4C-2 <i>New results for charmonium spectroscopy from lattice qcd</i> Liuming LIU (Trinity College Dublin)	13:50 4E-2 <i>Search for Neutrinoless Double Beta Decay with CUORE</i> Daniel LENZ (University of Wisconsin)	13:50 4F-2 <i>A New High-Sensitivity Muon-Electron Conversion Search at Fermilab</i> David BROWN (Lawrence Berkeley National Lab)
14:10 4A-3 <i>Diquark Correlations in a Hadron From Lattice QCD</i> Jeremy GREEN (MIT)			14:10 4E-3 <i>The MAJORANA DEMONSTRATOR: A Search for Neutrinoless Double-Beta Decay of Germanium-76</i> Alexis SCHUBERT (University of Washington)	14:10 4F-3 <i>DeeMe - An Experimental Search for Muon-Electron Conversion in Nuclear Field at Sensitivity of 10^{-14} with Pulsed Proton Beam</i> Masaharu AOKI (Osaka University)
14:30 4A-4 <i>Calculation of Nucleon Structure in Lattice QCD with Almost physical Light Quarks</i> Sergey SYRITSYN (Lawrence Berkeley National Laboratory)	14:30 4B-3 <i>Exploring Gluon Polarization in the Proton with Inclusive and Correlation Measurements at STAR</i> Carl GAGLIARDI (Texas A&M University)	14:30 4C-3 <i>Charm spectroscopy at the PANDA experiment</i> Thomas WURSCHIG (HISKP, Uni Bonn)	14:30 4E-4 <i>Status and Perspective of the GERDA Neutrinoless Double Beta Decay Experiment</i> Karl Tasso KNOEPFLE (MPI Kernphysik)	14:30 4F-4 <i>Search for Muon to Electron Conversion at a sensitivity better than 10^{-16} at J-PARC</i> Hiroki NAKAI (Osaka University)
14:50 4A-5 <i>Perturbative and Non-Perturbative Origins of the Proton Sea</i> Mary ALBERG (Seattle University and University of Washington)	14:50 4B-4 <i>Recent STAR results on W boson production in polarized $p+p$ collisions at $\sqrt{s}=500$ ~GeV</i> Jan BALEWSKI (MIT)	14:50 4C-4 <i>Evidence for a Bound H-dibaryon from Lattice QCD</i> William DETMOLD (Thomas Jefferson National Accelerator Facility/College of William Mary)	14:50 4E-5 <i>NEXT: Searching for Double Neutrinoless Beta Decay with 136Xe TPCs</i> Roberto SANTORELLI (CIEMAT Madrid)	14:50 4F-5 <i>Belle Results on Lepton Flavor Violation</i> Kenji INAMI (Nagoya University)
15:10 4A-6 <i>The E-906/SeaQuest experiment at Fermilab</i> Markus DIEFENTHALER (University of Illinois at Urbana-Champaign)	15:10 4B-5 <i>Single spin physics with W bosons in 500 GeV $p^{\uparrow}p$ collisions in PHENIX experiment.</i> Edouard KISTENEV (BNL)	15:10 4C-5 <i>Bound H-dibaryon in the Flavor SU(3) Limit from a Full QCD Simulation on the Lattice</i> Takashi INOUE (Nihon University, College of Bioresource Sciences)	15:10 4E-6 <i>Status and Perspectives on COBRA, a Neutrinoless Double-Beta Decay Experiment</i> Jerrad MARTIN (Washington Univ. Saint Louis)	

Coffee Break (15:30-16:00)

Parallel Sessions Thursday Afternoon

	4G - Jets at the Frontiers of QCD Kresge Rehearsal A (13:30-15:30) Chair: Sal Rappoccio (Johns Hopkins University)	4H - Quarkonia Kresge Rehearsal B (13:30-15:30) Chair: Penny Kasper (Fermilab)	4I - Collider Searches Beyond the Standard Model Kresge Little Theatre (13:30-15:30) Chair: Tulika Bose (Boston University)	4J - Top Quark Physics Kresge Auditorium (13:30-15:30) Chair: Steve Nahn (MIT)	4K - Heavy Ion Collisions and the QCD Phase Diagram W20-407 (13:30-15:30) Chair: Sevil Salur (UC Davis)	4L - Hard Probes, AdS/CFT and Heavy Ion Collisions W20-491 (13:30-15:30) Chair: Constantin Loizides (LBNL)
13:30	4G-1 <i>N-subjettiness</i> Jesse THALER (MIT)	13:30 4H-1 <i>Recent Charmonium Results at BESIII Experiment</i> Cong GENG (University of Science and Technology of China)	13:30 4I-1 <i>Searches for new physics in top decays at DO</i> Marc-Andre PLEIER (Brookhaven National Laboratory)	13:30 4J-1 <i>Tevatron Results on Top Quark Physics</i> Zhenyu YE (Fermilab)	13:30 4K-1 <i>Two Critical Points in the NJL Model Phase Diagram for QCD</i> Marcus PINTO (Universidade Federal de Santa Catarina, Brazil)	13:30 4L-1 <i>Hard Probes and the AdS/CFT Correspondence: Theory and Predictions</i> Jorge NORONHA (Univ. de Sao Paulo)
13:50	4G-2 <i>The Soft Function for Exclusive N-Jet Production at Hadron Colliders</i> Teppo JOUTTENUS (MIT)	13:50 4H-2 <i>Belle Results on B_s Decays and A Search for the h_b particle</i> Kay KINOSHITA (University of Cincinnati)	13:50 4I-2 <i>Mass Measurements at the LHC</i> K.C. KONG (University of Kansas)	14:00 4J-2 <i>Top quark cross section measurements with CMS</i> Jan STEGGEMANN (RWTH)	14:00 4K-2 <i>Fermion spectrum at ultrasoft region in a hot QED/QCD plasma</i> Satow DAISUKE (Kyoto University)	14:00 4L-2 <i>Gravitational collapse and far from equilibrium dynamics in holographic gauge theories</i> Paul CHESLER (MIT)
14:10	4G-3 <i>Test of QCD in multijet final states at Tevatron</i> Ashish KUMAR (SUNY Buffalo)	14:10 4H-3 <i>Upsilon production and polarization from CDF</i> Matthew JONES (Purdue University)	14:10 4I-3 <i>Search for a heavy neutrino and right-handed W of the left-right symmetric model with CMS detector</i> Alexander GUDE (University of Minnesota)			
14:30	4G-4 <i>ATLAS Measurements of Jet Cross Sections</i> Stephanie MAJEWSKI (BNL)	14:30 4H-4 <i>Quarkonia Results from ATLAS</i> Kendall REEVES (UT Dallas)	14:30 4I-4 <i>Search for New Physics in the Top Sector</i> Ben AUERBACH (Yale University)	14:30 4J-3 <i>Top Quark Production Measurements at ATLAS</i> Robert CALKINS (Northern Illinois)	14:30 4K-3 <i>Facets of the QCD Phase diagram</i> Jochen WAMBACH (TU Darmstadt)	14:30 4L-3 <i>Testing pQCD and AdS/CFT Energy Loss at RHIC and LHC</i> William HOROWITZ (University of Cape Town)
14:50	4G-5 <i>Forward jets and forward-central dijets at CMS</i> Niladri SEN (DESY)	14:50 4H-5 <i>Quarkonia results from CMS</i> Roberto COVARELLI (University of Rochester)	14:50 4I-5 <i>Exotics Searches for New Physics with the ATLAS Detector</i> Jalal ABDALLAH (Universitat Autònoma de Barcelona)	14:50 4J-4 <i>Top Quark Mass and Properties at ATLAS</i> Duc Bao TA (University of Amsterdam)	14:50 4K-4 <i>Production of Strange Baryons in Au+Au collisions at RHIC from sqrt(s_NN) 7.7 to 200 GeV</i> Feng ZHAO (University of California, Los Angeles)	14:50 4L-4 <i>Jet Modification Via The LPM Effect In Infinite Quark Matter</i> Christopher COLEMAN-SMITH (Duke University)
15:10	4G-6 <i>Event Shape Distributions and Precision alphas(MZ) Determination at NNNLL Order</i> Iain STEWART (MIT)	15:10 4H-6 <i>Studies with onia at LHCb</i> Joel BRESSIEUX (EPFL-Lausanne)		15:10 4J-5 <i>Top Quark Mass from Reconstruction</i> Andre HOANG (University of Vienna)	15:10 4K-5 <i>Charge Asymmetry Measurements at ALICE</i> Jim THOMAS (Lawrence Berkeley National Lab)	15:10 4L-5 <i>Momentum Broadening in Weakly Coupled Quark-Gluon Plasmas</i> Mindaugas LEKAVECKAS (MIT)

Coffee Break (15:30-16:00)

Parallel Sessions Thursday Afternoon

5A - Diffractive and small-x W20-307 (Mezzanine Lounge) (16:00-17:40) Chair: Rolf Ent (JLab)	5B - Outlook W20-306 (20 Chimneys) (16:00-17:40) Chair: Christine Aidala (LANL)	5C - Meson Decays - W20-201 (West Lounge) (16:00-17:40) Chair: Eugene Pasyuk (JLab)	5D - Nuclear Astrophysics II 4-149 (16:00-17:40) Chair: Igor Shovkovy (Arizona State University)	5E - Neutrino Experiments II 4-163 (16:00-17:40) Chair: Kimihiro Okumura (Institute for Cosmic Ray Research, Univ.of Tokyo)	5F - Neutrino Oscillations II 4-153 (16:00-17:40) Chair: Mike Shaevitz (Columbia University)
16:00 5A-1 <i>Diffractive Measurements in ATLAS</i> Kate SHAW (Universita di Udine, INFN)	16:00 5B-1 <i>Opportunities in ep Physics at an Electron-Ion Collider</i> Marco STRATMANN (Brookhaven National Laboratory)	16:00 5C-1 <i>Precision Measurement of Gamma(K_{e2})/ Gamma (K_{mu2}) Ratio using Stopped Positive Kaons at J-PARC</i> Suguru SHIMIZU (Osaka University)	16:00 5D-1 <i>Nucleation of antikaon condensed matter in hot neutron stars</i> Sarmitha BANIK (Saha Institute of Nuclear Physics)	16:00 5E-1 <i>The Nucifer Experiment: Non Proliferation with Reactor Antineutrinos</i> Andi Sebastian CUCOANES (IRFU/SPP, CEA Centre de Saclay)	16:00 5F-1 <i>Neutrino-Long-Baseline Experiments and Nuclear Physics</i> Ulrich MOSEL (Universitaet Giessen)
16:20 5A-2 <i>Hard diffraction at CMS</i> Antonio VILELA PEREIRA (Univ. di Torino e Sez. dell'INFN)	16:30 5B-2 <i>Imaging of Sea Quarks and Gluons with an Electron-Ion Collider</i> Tanja HORN (Catholic University of America)	16:20 5C-2 <i>Test of Chiral Perturbation Theory with ke4 decays at NA48</i> Cristina BIINO (Turin University)	16:20 5D-2 <i>The Lattice QCD study of the Three Nucleon Force</i> Takumi DOI (University of Tsukuba)	16:20 5E-2 <i>Project 8: Using Radio Frequency Techniques to Measure the Neutrino Mass from Beta Decay</i> Benjamin MONREAL (UCal - Santa Barbara)	16:20 5F-2 <i>Results from MINOS</i> Lisa WHITEHEAD (Brookhaven National Laboratory)
16:40 5A-3 <i>Soft QCD measurements in the forward direction with the LHCb experiment</i> Sebastian SCHLEICH (University of Dortmund)		16:40 5C-3 <i>A New Determination of the Kpi pi Matrix Element of the Electroweak Penguin Operator in the Chiral Limit</i> Kim MALTMAN (York University)	16:40 5D-3 <i>The Lead Radius Experiment PREX</i> Dustin MCNULTY (Thomas Jefferson National Accelerator Facility)	16:40 5E-3 <i>The JEM-EUSO Mission and Its Potential for Neutrino Observation at Extreme High Energies</i> Piero GALEOTTI (University of Torino)	16:40 5F-3 <i>Hadron Production Measurement in NA61/SHINE Experiment at CERN SPS for the Neutrino and Cosmic Ray Experiments.</i> Tomasz PALCZEWSKI (Soltan Institute for Nuclear Studies, Warsaw)
17:00 5A-4 <i>W and Z Production Measured Using the ATLAS Detector, and Impact on Partons Densities of the Proton</i> Sofia CHOURIDOU (UC Santa Cruz)	17:00 5B-3 <i>Small-x physics opportunities with a Large Hadron-electron Collider at CERN</i> Nestor ARMESTO (Universidade de Santiago de Compostela)	17:00 5C-4 <i>Hadron Physics at KLOE-2</i> Federico NGUYEN (Roma Tre University; INFN)	17:00 5D-4 <i>EMC Effect, Short-Range Correlations in nuclei and Neutron Stars</i> Mark STRIKMAN (Penn State University)	17:00 5E-4 <i>A Quantum Sensor for Applications in Neutrino Mass Spectrometry</i> Daniel RODRIGUEZ (University of Granda)	17:00 5F-4 <i>Massive Neutrino Search in the Decay pi+ to e+neutrino</i> Chloe MALBRUNOT (University of British Columbia)
17:20 5A-5 <i>Combined Measurement of the Inclusive Diffractive Cross Sections at HERA</i> Valentina SOLA (Torino)		17:20 5C-5 <i>DN Interaction from Meson Exchange</i> Laura TOLOS (ICE (CSIC-IEEC))		17:20 5E-5 <i>Search for Neutrino-less Double Beta Decay with CANDLES</i> Saori UMEHARA (Osaka University)	17:20 5F-5 <i>Lorentz- and CPT-violating Texture for Neutrino Oscillations</i> Jorge S DIAZ (Indiana University)

Parallel Sessions Thursday Afternoon

5G - Lepton Universality and Forward Jets Kresge Rehearsal A (16:00-17:40) Chair: Masaharu Aoki (Osaka University)	5H - EDMs and other T-Violation Searches Kresge Rehearsal B (16:00-17:40) Chair: Makoto Fujiwara (University of Calgary)	5I - Heavy Flavor Prospects Kresge Little Theatre (16:00-17:40) Chair: Guy Wilkinson (University of Oxford)	5J - Beyond the Standard Model Higgs Boson Kresge Auditorium (16:00-17:40) Chair: Steve Nahn (MIT)	5K Jet Substructure II W20-407 (16:00-17:40) Chair: Carlos Salgado (University of Santiago de Compostela)	5L - Lattice QCD Thermodynamics W20-491 (16:00-17:40) Chair: Tetsuo Hatsuda (University of Tokyo)
16:00 5G-1 <i>Test of lepton flavour universality in kaon leptonic decays at CERN NA62 experiment</i> Cristina LAZZERONI (University of Birmingham)	16:00 5H-1 <i>A New Facility for Fundamental Particle Physics: The High-Intensity Ultracold Neutron Source at the Paul Scherrer Institute</i> Bernhard LAUSS (Paul Scherrer Institute)	16:00 5I-1 <i>Charm program at BESIII</i> Chunlei LIU (Carnegie Mellon University)	16:00 5J-1 <i>Search for exotic Higgs boson decays with ALEPH at LEP2</i> Itay YAVIN (New York University)	16:00 5K-1 <i>QCD resummation for jet profiles</i> Hsiang-nan LI (Academia Sinica)	16:00 5L-1 <i>Fluctuations and Higher Moments of Conserved Charges from the Lattice</i> Prasad HEGDE (Brookhaven National Laboratory)
16:20 5G-2 <i>Measurement of the Pion Branching Ratio at TRIUMF</i> Chloe MALBRUNOT (University of British Columbia, TRIUMF)	16:20 5H-2 <i>New Search for the Neutron Electric Dipole Moment</i> Klaus KIRCH (PSI - ETHZ)	16:20 5I-2 <i>B and D Hadron Production and Prospects</i> Elvira ROSSI (Universita di Napoli 'Federico II' e INFN)	16:20 5J-2 <i>Search for the MSSM Higgs boson in $p\bar{p}$ collisions at D\O</i> Nicolas OSMAN (Centre de Physique des Particules de Marseille)	16:20 5K-2 <i>Jet shower evolution in medium and di-jet asymmetry in Pb+Pb collisions at the LHC</i> Qin GUANGYOU (Duke University)	16:20 5L-2 <i>O(4) Scaling, Pseudo-Critical Temperatures and Freeze-out in Heavy Ion Collisions</i> Frithjof KARSCH (Brookhaven National Laboratory)
16:40 5G-3 <i>Search for Non-Standard Model Physics Using the Transverse Muon Polarization in Stopped K+ Decay</i> Sebastien BIANCHIN (TRIUMF)	16:40 5H-3 <i>Model Dependence of the Deuteron Electric Dipole Moment</i> Benjamin GIBSON (Los Alamos National Laboratory)	16:40 5I-3 <i>New physics search potential of SuperB</i> Douglas ROBERTS (University of Maryland)	16:40 5J-3 <i>Physics with taus</i> Michail BACHTIS (University of Wisconsin)	16:40 5K-3 <i>Jet Production and Jet Properties in $\sqrt{s_{NN}}=2.76$ TeV Pb+Pb Collisions</i> Aaron ANGERAMI (Columbia University)	16:40 5L-3 <i>The QCD Phase Transition Region with Domain Wall Quarks</i> Zhongjie LIN (Columbia University)
17:00 5G-4 <i>BABAR Results on Lepton Universality and Lepton and Baryon Number Conservation</i> Matthew BELLIS (Stanford University)	17:00 5H-4 <i>Time-Reversal Violation in Heavy and in Few-body Nuclei</i> Vladimir GUDKOV (University of South Carolina)	17:00 5I-4 <i>Hadronic b-hadron decays at LHCb</i> Andrew POWELL (Oxford)	17:00 5J-4 <i>ATLAS Searches for Higgs Bosons Beyond the Standard Model</i> Trevor VICKEY (University of the Witwatersrand)	17:00 5K-4 <i>Studies of jet quenching in PbPb collisions at $\sqrt{s} = 2.76$ TeV</i> George STEPHANS (MIT)	17:00 5L-4 <i>QCD thermodynamics on the lattice</i> Alexei BAZAVOV (Brookhaven National Laboratory)
17:20 5G-5 <i>Forward Jet-like Event Spin-dependent Properties in Polarized p+p Collisions at The Center of Mass Energy of 200 GeV</i> Nikola POLJAK (University of Zagreb)	17:20 5H-5 <i>A New Limit on Time-Reversal-Invariance Violation in Beta Decay: Results of the emIT-II Experiment</i> Timothy CHUPP (University of Michigan)	17:20 5I-5 <i>Physics at Belle-II/SuperKEKB</i> Kay KINOSHITA (University of Cincinnati)		17:20 5K-5 <i>Reconstruction of Jet-Properties in Pb+Pb Collisions with the ALICE Experiment</i> Christian KLEIN-BOESING (Institut fuer Kernphysik Muenster/EMMI)	17:20 5L-5 <i>Bottomonium above deconfinement in lattice nonrelativistic QCD</i> Sinead RYAN (Trinity College Dublin)