TALKS PRESENTED
April 1, 2018 – March 31, 2019

Using beta decay to extract $|V_{ud}|$ and test CKM unitarity, **J.C. Hardy**, **Invited talk**, Mainz Institute for Theoretical Physics Scientific Program, "Bridging the Standard Model to New Physics with the Parity Violation Program at MESA," Johannes Gutenberg University, Mainz, Germany (April 2018).

Nuclear beta decays and CKM unitarity, **J.C. Hardy**, **Invited talk**, 13th Conference on the Intersections of Particle and Nuclear Physics, CIPANP 2018, Palm Springs, Calfornia (May 2018).

Semi-leptonic weak interactions, **J.C. Hardy**, **Invited talk**, the Fundamental Neutron Summer School, hosted by North Carolina State University, Raleigh, North Carolina (July 2018).

Measuring $|V_{ud}|$ and testing CKM unitarity: Past presnt & future, **J.C. Hardy**, **Invited talk**, Top-Row CKM Unitarity Workshop, Texas A&M University, College Station, Texas (January 2019).

How weird is the weak force? **J.C. Hardy**, **Invited talk**, Saturday Morning Physics, Texas A&M University, College Station, Texas (February 2019).

Precise half-life measurement of the superallowed beta emitter S-30, **V. E. Iacob**, **Invited talk**, 6th Joint Carpathian Summer School of Physics 2018 (CSSP18), Sinaia, Romania (July 2018).

Precise half-life measurement of ^{30}S, **V. E. Iacob**, **Invited talk**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, Hawaii (October 2018).

What do we learn from our giant resonances experiment? **Y.-W. Lui**, **Invited talk**, 6th International Conference on Collective Motion in Nuclei under Extreme Conditions (COMEX6), Cape Town, South Africa (October 2018).

Stellar explosions in the lab: Measurements of key nuclear reactions driving nucleosynthesis, **G. Christian**, **Invited talk**, Thirteenth Conference on the Intersections of Particle and Nuclear Physics (CIPANP), Palm Springs, California (May 2018).

Neutron spectroscopy at TAMU, **G. Christian**, CENTAUR Neutron Detector Workshop, College Station, Texas (May 2018).

Experiments with radioactive beams at the Texas A&M University Cyclotron Institute, **G. Christian**, **Invited talk**, 25th Conference on Application of Accelerators in Research and Industry, Grapevine, Texas (August, 2018).

Neutron detector development at Texas A&M, **G. Christian**, **Invited talk**, Low Energy Nuclear Physics Community Meeting, East Lansing, Michigan (August, 2018).

Reactions at the Texas A&M University Cyclotron Institute and Beyond, **G. Christian**, **Invited talk**, Nuclear Physics for the Next Generation, London, United Kingdom (September, 2018).

Neutron economy in stars: What can we learn from nuclear astrophysics? **S. Ota**, **Invited seminar**, Department of Physics, John D. Fox Accelerator Laboratory, Florida State University, Florida (March 2019).

Neutron production and capture for nucleosynthesis in stars: $^{22}Ne(\alpha, n)^{25}Mg$ reaction and radiative neutron captures of radioactive nuclei, **S. Ota**, **Invited seminar**, Physics Division, Brookhaven National Laboratory, Upton, New York (September 2018).

Constraining the astrophysical $^{23}Mg(p,)^{24}Al$ reaction rate using direct and indirect measurements, **E. Bennett**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa Village, Hawaii (October, 2018).

Precise α_K and α_T internal conversion coefficients measurements of 39.752(6)-keV E3 transition in ^{103m}Rh: Test of internal conversion theory, **N. Nica**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, Hawaii (October 2018).

Internal conversion coefficients precision measurements, **N. Nica**, the US National Nuclear Data Week 2018, Brookhaven National Laboratory, Upton, New York (November 2018).

Texas A&M University US nuclear data program TAMU ENSDF report FY2018, **N. Nica**, the US National Nuclear Data Week 2018, Brookhaven National Laboratory, Upton, New York (November 2018).

Fundamentally cool physics with trapped atoms and ions, **D. Melconian**, Texas A&M University, College Station, Texas (September 2018).

Nuclear β decay: using the atomic nucleus to probe symmetries of the weak interaction, **D. Melconian**, **Invited talk**, Joint APS/AAPT/SPS meeting, Tarleton University, Stephenville, Texas (March 2018).

β-decay asymmetry measurements with trapped atoms, **D. Melconian**, **Invited talk**, 13th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2018), Palm Springs, California (May 2018).

A precision measurement of the β asymmetry parameter using laser-cooled ^{37}K, **D. Melconian**, **Invited talk**, 7th Symposium on Symmetries in Subatomic Physics (SSP 2018), Aachen, Germany (June 2018).

Trapped atoms and ions for tests of the charged electroweak interaction, **D. Melconian**, Center for Nuclear Physics and Astrophysics Seminar, University of Washington, Seattle, Washington (July 2018).

Fundamental symmetry tests using atoms and ions, **D. Melconian**, Physics Division Seminar, Argonne National Laboratory, Lemont, Illinois (February 2019).

Outlook for the determination of V_{ud}, **D. Melconian**, **Invited talk**, Workshop on Precise beta decay calculations for searches for new physics, ECT*, Trento, Italy (April 2019).

Outlook for the determination of V_{ud}, **D. Melconian**, **Invited talk**, Workshop on Atomic nuclei as laboratories for BSM physics, ECT*, Trento, Italy (Apr 2019).

Ion trap application: Fundamental weak interaction studies using ion traps, **P.D. Shidling**, **Invited talk**, 25th Conference on Application of Accelerators in Research and Industry (CAARI), Grapevine, Texas (August 2018).

TAMUTRAP facility update, **V. Kolhinen**, 2018 Low-Energy Community Meeting, East Lansing, Michigan (October 2018).

TAMUTRAP facility: Penning trap facility for weak interaction studies, **P.D. Shidling**, 7th International Conference on Trapped Charged Particles and Fundamental Physics (TCP2018), Traverse City, Michigan (October 2018).

In situ characterization of β scattering at TRINAT, **D. Melconian**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa Village, Hawaii (October, 2018).

TAMUTRAP facility: Penning trap facility for weak interaction studies, **P.D. Shidling**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa Village, Hawaii (October, 2018).

Beta-delayed proton decays for explosive hydrogen burning, **A. Saastamoinen**, **Invited talk**, Nuclear Physics for Next Generation, London, United Kingdom (September 2018).

MicroMegas based detectors at TAMU, **A. Saastamoinen**, **Invited talk**, GET Workshop: General Electronics for Physics, Bordeaux, France (October 2018).

The two biggest problems in heavy element science (and what the Cyclotron Institute is doing about them), **C.M. Folden III**, College of Science External Advisory and Development Council Meeting, College Station, Texas (March).

The evolving periodic table and its incredible elements! **C.M. Folden III** , One of two featured experts for the American Chemical Society's Program-in-a-Box webinar (February 2019).

Immigration, U.S. scientific innovation, and the discovery of new elements: At the intersection of science, politics, and policy, **C.M. Folden III**, **Invited talk**, Texas A&M University Department of International Affairs, College Station, Texas (October 2018).

Separated plutonium discrimination forensics at Texas A&M, **K.J. Glennon**, Nuclear Science and Security Consortium 2018 Fall Workshop and Advisory Board Meeting, Livermore, California (October 2018).

Measuring key isotope ratios in two irradiated UO_2 fuel samples, **K.J. Glennon**, J.M. Osborn, J.D. Burns, E.D. Kitcher, Sunil Chirayath, and C.M. Folden III, American Chemical Society Fall 2018 National Meeting, Boston, Massachusetts (August 2018).

Heavy element research at Texas A&M University, **C.M. Folden III**, **Invited talk**, Czech Technical University in Prague, Czech Republic (June 25, 2018).

Chemistry at the bottom of the periodic table, **C.M. Folden III**, **Invited talk**, Institut Pluridisciplinaire Hubert Curien, Strasbourg, France (June 2018).

A forensic investigation of two irradiated UO_2 fuel samples to further develop the discrimination forensics of separated Pu, **K.J. Glennon** and C.M. Folden III, Office of Defense Nuclear Nonproliferation Research and Development (DNN R&D) University Program Review, Ann Arbor, Michigan (June 2018).

Studying the stars here on earth: How the equation of state of nuclear matter impacts the formation of The elements, **S.J. Yennello**, **Invited talk**, San Jose State University, ACS-DNCT summer school, San Jose, California (June 2018).

Experimental constraints on the nuclear equation-of-state from heavy-ion collisions, **S.J. Yennello**, **Invited talk**, 1st Symposium on Intermediate-energy Heavy Ion Collisions (iHIC2018), Tsinghua University, Beijing, China (April 2018).

Isospin effects in nuclear reactions, **S.J. Yennello**, **Invited talk**, International Workshop on Multi facets of Eos and Clustering (IWM-EC2018), Catania, Italy (May 2018).

Experimental investigations of the nuclear equation-of-state, **S.J. Yennello**, **Invited talk**, EUroRib2018, Giens, France (June 2018).

Proton-proton correlation functions measured using position-sensitive FAUST, **S.J. Yennello, Invited talk**, LECM, East Lansing, Michigan (August 2018).

Increasing equity, inclusion and excellence in nuclear science, **S.J. Yennello, Invited talk**, LECM, East Lansing, Michigan (August 2018).

The Texas A&M ADVANCE Scholar Program, **S.J. Yennello, Invited talk**, 256th ACS National Meeting, Boston, Massachusetts (August 2018).

Remarkable, delightful, awesome: It will change your life, not over night but over time, **S.J. Yennello, Invited talk**, 256th ACS National Meeting, Boston, Massachusetts (August 2018).

An orbital of her own: Improving the environment to decrease the crystal-field splitting energy so no one is forced into alignment, **S.J. Yennello, Invited talk**, University of Virginia, Charlottesville, Virginia (October 2018).

Alpha decaying heavy elements produced in multi-nucleon transfer reactions of heavy nuclei, **K. Hagel**, **Invited talk**, State of the Art of Nuclear Cluster Physics, Galveston, Texas (May 2018).

Evidence for resonances in the 7α disassembly of ^{28}Si, **K. Hagel**, **Invited talk**, State of the Art of Nuclear Cluster Physics, Galveston, Texas (May 2018).

Evidence for resonances in the 7α disassembly of ^{28}Si, **K. Hagel**, **Invited talk**, XIII Workshop on Particle Correlations and Femtoscopy, Krakow, Poland (May 2018).

Tests of the supernova equation of state using heavy ion collisions, **K. Hagel**, **Invited talk**, XIII Workshop on Particle Correlations and Femtoscopy, Krakow, Poland (May 2018).

The symmetry energy of low density nuclear matter, **K. Hagel**, **Invited talk**, 8th International Symposium on Nuclear Symmetry Energy, Busan, South Korea (September 2018).

Use of a Nucleation Based Ternary Fission Model to Reproduce Neck Emission in Heavy-Ion Reactions, **J. Gauthier**, 4th international workshop on State of the Art in Nuclear Cluster Physics, Galveston, Texas (May 2018).

Benchmarking the active catcher array to study multi nucleon transfer reactions, **A. Wakhle**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, Hawaii (October 2018).

Proton-proton correlation functions measured using position-sensitive FAUST, **L. Heilborn**, 5th joint meeting of DNP & JPS, Waikoloa, Hawaii (October 2018).

Equilibration chronometry and reaction dynamics, **A. Rodriguez Manso**, International Workshop on Multi facets of Eos and Clustering (IWM-EC2018), Catania, Italy (May 2018).

Neutron-proton equilibration in two and three bodies dynamically deformed nuclear systems (^{70}Zn+ ^{70}Zn @ 35 MeV/nucleon), **A. Rodriguez Manso**, APS Division of Nuclear Physics (HAWAII2018) Kona, Hawaii (October 2018).

Implementing PIXE and PIGE at the Texas A&M University Cyclotron Institute, **A. Rodriguez Manso**, **Invited talk**, Conference on Application of Accelerators in Research and Industry (CAARI2018), Dallas, Texas (August 2018).

Neutron-proton equilibration in heavy-ion dynamically deformed nuclear systems and Particle Induced γ-ray and X-ray Emission experiments for contamination and elemental composition studies, **A. Rodriguez Manso**, **Invited seminar**, San Diego State University (SDSU), San Diego, California (February 2019).

Searching for states analogous to the Hoyle state in heavier nuclei using the thick target inverse kinematics technique, **M. Barbui**, 4th International Workshop on "State of the Art in Nuclear Cluster Physics" Galveston, Texas (May 2018).

Sub- and Near- Coulomb alpha transfer reactions for nuclear astrophysics, **G. Rogachev**, **Invited talk**, Science with the Super-Enge Split-pole spectrograph and workshop on transfer reactions, Tallahassee, Florida (March 2019).

Insights into nuclear continuum though resonance scattering, **G. Rogachev**, **Invited Plenary talk**, XLI Brazilian Meeting on Nuclear PhysicsMaresias, São Sebastião, Brazil (September 2018).

Texas Active Target (TexAT) - design, commissioning and first results, **G. Rogachev**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, Hawaii (October 2018).

Resonance scattering with exotic beams - past, present, and future, **G. Rogachev**, **Invited talk**, Direct Reactions with Exotic Beams conference (DREB2018), Matsue, Japan (June 2018).

State of the art measurements with TexAT - an active-target time projection chamber, **J. Bishop**, **Invited talk**, 42nd Symposium on Nuclear Physics, Cocoyoc Mexico (January 2019).

The first experimental (α, xn) compound reaction in inverse kinematics study using neutron-rich nuclei, **S. Ahn**, 6th International Workshop on Compound-Nuclear Reactions and Related Topics, Berkeley, California (September 2018).

Si detector array with Generic Electronics for TPC (GET), **S. Ahn**, Silicon Array Working Group, Low Energy Community Meeting 2018, Michigan State University, East Lansing, Michigan (August 2018).

The first (α,xn) reaction study for a neutron-rich nuclei with the HabaNERO neutron detector, **S. Ahn**, Nuclear Structure 2018, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan (August 2018).

Probing the effect of the ^{22}Ne(alpha,n) reaction rate on the s-process isotope abundances using sub-Coulomb alpha-transfer, **H. Jayatissa**, Carpathian Summer School of Physics 2018 (Exotic Nuclei and Nuclear / Particle Astrophysics (VII). Physics with small accelerators), Sinaia, Romania (July, 2018).

Probing the cluster structure in ^{10}Be using resonant ^{6}He + α scattering, **S. Upadhayula**, SOTANCP4, Galveston, Texas (May 2018).

Low-lying negative parity T = 5 states in ^{48}Ca, **S. Upadhayula**, Direct Reactions with Exotic Beams conference (DREB2018), Matsue, Japan (June 2018).

Study of the A=9 T=3/2 isobaric quartet through R-Matrix analysis of resonance scattering of analogue states, **C. Hunt**, Direct Reactions with Exotic Beams conference (DREB2018), Matsue, Japan (June 2018).

Structure of ^{9}C via proton elastic scattering, **J. Hooker**, Direct Reactions with Exotic Beams conference (DREB2018), Matsue, Japan (June 2018).

Measuring the neutron background for MINER, **J. Hooker**, Summer School on Neutron Detectors, Trento, Italy (July 2018).

Structure of ^{9}C via proton elastic scattering, **J. Hooker**, Nuclear Structure 2018, East Lansing, Michigan (August 2018).

Structure of ^{9}C and ^{10}N with active target time project chambers, **J. Hooker**, **Invited talk**, Commerce, Texas (September 2018).

Structure of ^{9}C and ^{10}N with active target time project chambers, **J. Hooker**, **Invited talk**, Oak Ridge, Tennessee (October 2018).

Three body interaction and heavy ion collisions in intermediate energy regime, **R. Wada**, International workshop of nuclear dynamics (IWND 2018), Huzhou, China (June 2018).

Recent transverse spin measurements in pp collisions with STAR, **C.A. Gagliardi**, **Invited talk** (for the STAR Collaboration), XXVI International Workshop on Deep Inelastic Scattering and Related Subjects (DIS2018), Kobe, Japan (April 2018).

Development of in-flight and re-accelerated rare iIsotope beams with the MARS spectrometer at Texas A&M University, **B. T. Roeder**, **Invited talk**, National Superconducting Cyclotron Laboratory, NSCL, East Lansing, Michigan (July 2018).

Cyclotrons: Beam production and applications, **B. T. Roeder**, **Invited talk**, 25th International Conference on the Application of Accelerators in Research and Industry, CAARI 2018, Grapevine, Texas (August 2018).

Secondary heavy ion beams as a tool for investigation of fusion mechanism, **G. Chubaryan**, **Invited talk**, International Conference on Spontaneous and induced fission of very heavy and super-heavy nuclei, ECT, Villa Tambosi, Trento, Italy (April 2018).

Recent transverse spin measurements in pp collisions with STAR, **C.A. Gagliardi**, **Invited talk** (for the STAR Collaboration), 23rd International Spin Symposium (SPIN 2018), Ferrara, Italy (September 2018).

What makes the proton spin? **C.A. Gagliardi**, **Invited talk**, Fall Meeting of the Texas Section of the APS, Houston, Texas (October, 2018).

Longitudinal double-spin asymmetries for di-jet production at intermediate pseudorapidity in polarized proton proton collisions at √s=200 GeV, **T. Lin**, **Plenary talk**, RHIC and AGS Annual Users Meeting, Brookhaven National Laboratory, Upton, New York (June, 2018).

Recent progress of gluon helicity measurements at RHIC, **T. Lin**, **Invited talk**, RHIC and AGS Annual Users Meeting, Brookhaven National Laboratory, Upton, New York (June 2018).

Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized proton proton collisions at √s=200 GeV, **T. Lin** (for the STAR Collaboration), 23rd International Spin Symposium (SPIN 2018), Ferrara, Italy (September, 2018).

Gamma-jet measurements in heavy-ion collisions, **S. Mioduszewski**, Conference on the Intersections of Particle and Nuclear Physics, Palm Springs, California (June 2018).

Neutral-triggered full jet reconstruction with STAR, **D. Anderson**, Jets Workshop at the RHIC & AGS Annual Users Meeting, Upton, New York (June 2018).

Measurement of the semi-inclusive distribution of jets recoiling from direct photon- and neutral pion-triggers in central Au+Au collisions at sqrt(s_{NN}) = 200 GeV in the STAR experiment, **N. Sahoo**, Conference on Hard and Electromagnetic Probes in High Energy Nuclear Collisions, Aix-Les-Bains, France (October 2018).

Recent direct-photon+jet and neutral pion+jet measurement in the STAR experiment, **N. Sahoo**, JETSCAPE Workshop, College Station, Texas (January 2019).

Constraints on the nuclear equation of state from neutron star observations, **J.W. Holt**, **Invited talk**, ECT* workshop: New Ideas in Constraining Nuclear Forces, Trento, Italy (June 2018).

Universal correlations in the nuclear symmetry energy, slope parameter, and curvature, **J.W. Holt**, **Invited talk**, 8th International Symposium on Nuclear Symmetry Energy, Busan, South Korea (September 2018).

Hot and dense neutron-rich matter in supernovae and neutron star mergers, **J.W. Holt**, **Invited talk**, 1st APCTP-TRIUMF Joint Workshop: Understanding Nuclei from Different Theoretical Approaches, Pohang, South Korea (September 2018).

Neutron star tidal deformabilities constrained by nuclear theory and experiment, **J.W. Holt**, **Invited talk**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, Hawaii (October 2018).

Hot and dense neutron-rich matter in supernovae and neutron-star mergers, **J.W. Holt**, University of Maryland nuclear physics seminar, College Park, Maryland (November 2018).

Constraints on the nuclear equation of state from microscopic many-body theory, **J.W. Holt**, **Invited talk**, CUSTIPEN workshop: EOS of dense neutron-rich matter in the era of gravitational wave astronomy, Xiamen, Fujian, China (January 2019).

Hot and dense matter in supernovae and neutron star mergers, **J.W. Holt**, University of Houston Physics Colloquium, Houston, Texas (February 2019).

Nuclear physics using lasers, **A. Bonasera**, University of Prague Seminar, Prague, Czech Republic (February 2019).

Nuclear astrophysics with lasers, **A. Bonasera**, **Invited talk**, ECT* workshop on Indirect Methods in Nuclear Astrophysics Trento, Italy (October 2018).

Nuclear physics using lasers, **A. Bonasera**, **Invited talk**, Carpathian Summer School of Physics 2018 (CSSP18), Sinaia, Romania (July 2018).

Nuclear (astro) physics using lasers, **A. Bonasera**, Department of Chemistry Seminar, University of Athens, Athens, Greece (June 2018).

Bose Einsten condensation, fermionic quenching and Efimov states from heavy-ion collisions, **A. Bonasera**, 27th annual Symposium Hellenic Nuclear Physics Society (HNPS2018), Athens Greece (June 2018).

Nuclear symmetry energy from finite nuclei to neutron stars, **Y. Lim**, 8th International Symposium on Nuclear Symmetry Energy, Busan, South Korea (September 2018).

Heavy nuclei in neutron star crust, **Y. Lim**, 1st APCTP-TRIUMF Joint Workshop: Understanding Nuclei from Different Theoretical Approaches, Pohang, South Korea (September 2018).

Pion transport in heavy ion collisions, **C.M. Ko**, **Invited talk**, International Symposium on Intermediate-Energy Heavy Ion Collisions, Beijing, China (April 7-11, 2018).

What have we learnt from quarkonia production in relativistic heavy ion collisions?, **C.M. Ko**, **Invited talk**, Thirteen Conference on the Intersections of Particle and Nuclear Physics, Palm Springs, California (May 2018).

Symmetry potential effect on pion transport in asymmetric nuclear matter, **C.M. Ko**, **Invited talk**, International Workshop on Nuclear Dynamics in Heavy-Ion Reactions, Huzhou, China (June 2018).

Status of transport models, **C.M. Ko**, **Invited talk**, Workshop on Experimental Studies of Neutron-Rich Matter, Detroit, Michigan (June 2018).

Pion production in heavy ion collisions, **C.M. Ko**, **Invited talk**, 8th International Symposium on Nuclear Symmetry Energy, Busan, Korea (September 2018).

Hadronization: From dilute to dense systems, **R.J. Fries**, **Invited talk**, Opportunities and Challenges with Jets at LHC and beyond, Institute of Particle Physics, CCNU, Wuhan, China (June 2018).

Shear Viscosity in Hot Hadron Gas, **R.J. Fries**, **Invited talk**, Berkeley Jet Physics Jubilee, Lawrence Berkeley National Laboratory, Berkeley, California (July 2018).

Hybrid hadronization, **R.J. Fries**, Hard Probes 2018: International Conference on Hard & Electromagnetic Probes of High-Energy Nuclear Collisions, Aix-les-Bains, France (October 2018).

Shear viscosity in hot hadron gas estimated from data, **R.J. Fries**, **Invited talk**, New Developments in Thermal Field Theory, CERN, Geneva, Switzerland (October 2018).

Shear viscosity in hot hadron gas estimated from data, **R.J. Fries**, Bose Institute, Kolkata, India (December 2018).

Quarkonia in TAMU transport model, **X. Du**, remote video presentation, at Quarkonium Run 3-4 LHC Meeting, CERN, Geneva, Switzerland (April 2018).

T-matrix approach to QGP, **S.Y.F. Liu,** XXVII International Conference on Ultra-relativistic Nucleus-Nucleus Collisions (Quark Matter 2018), Venice, Italy (May 2018).

Future of electromagnetic probes, **R. Rapp**, **Invited talk**, at Retreat on Opportunities in High-Energy Nuclear Collisions, Terzolas, Italy (May 2018).

Thermal dileptons and hadrons in medium, **R. Rapp**, **Plenary talk**, 15th Int. Workshop on Meson Physics, Krakow, Poland (June 2018).

Probing in-medium QCD force with quarkonium **X. Du**, **Invited talk**, Heavy-Flavor workshop at annual RHIC & AGS Users Meeting, Brookhaven National Laboratory, Upton, New York (June 2018).

Quarkonia at high-luminosity LHC: Can we determine the in-medium QCD force?, **R. Rapp**, **Invited talk**, General WG-5 Heavy-Ion Meeting, CERN, Geneva, Switzerland (June 2018).

Heavy-flavor transport and microscopic properties of the QGP, **R. Rapp**, **Invited talk**, MIAPP Program on "Probing the QGP with Collective Phenomena and Heavy Quarks", TU Munich, Garching, Germany (September 2018).

Heavy-flavor theory at hard + EM probes '18, **R. Rapp**, **Invited plenary summary talk**, Int. Conference on Hard & Electromagnetic Probes of High-Energy Nuclear Collisions, Aix-Les-bains, France (October 2018).

Dileptons at low mass and low momentum, **R. Rapp**, **Invited talk**, ECT* Workshop on Electromagnetic Probes of Hot and Dense Matter, ECT* Trento, Italy (November 2018).

Heavy-quark radiative energy loss with a quantum many-body approach, **S.Y.F. Liu**, 2nd Jetscape Winter School and Workshop, Texas A&M University, College Station, Texas (January 2019).

In-medium charmonium production in proton/deuteron-nucleus collisions, **X. Du**, 2nd Jetscape Winter School and Workshop, Texas A&M University, College Station, Texas (January 2019).

Extracting the in-medium color force from heavy-ion collisions, **X. Du,** Santa Fe Jets and Heavy-Flavor Workshop, UCLA, Los Angeles, California (February 2019).

Heavy-quark radiative energy loss within a quantum many-body approach, **S.Y.F. Liu**, Santa Fe Jets and Heavy-Flavor Workshop, UCLA, Los Angeles, California (February 2019).

Heavy flavor in nuclear collisions, **R. Rapp**, **Invited opening talk**, Heavy-Flavor/sPHENIX MVTX Mini Workshop, Lawrence Berkeley National Laboratory, Berkeley, California (February 2019).

From heavy-flavor transport ot bulk and spectral properties of the QGP, **R. Rapp**, HIC for FAIR Nuclear Physics Colloquium, Frankfurt University, Frankfurt, Germany (June 2018).

Which properties of the quark-gluon plasma can heavy-flavor particles probe? **R. Rapp**, **Invited seminar**, ExtreMe Matter Institute (EMMI), GSI Darmstadt, Germany (June 2018).

Where does the mass in the universe come from?, **R. Rapp**, Lecture, Cyclotron REU Program, College Station, Texas (June 2018).

Mass generation in the big bang, **R. Rapp**, Physics Colloquium, Texas A&M University Commerce, Commerce Texas (November 2018).

Mass generation in the early universe, **R. Rapp**, Graduiertenkolleg Kolloquium, Münster, Germany (December 2018).

Indirect measurements of radiative capture reactions on lanthanides, **C. Reingold**, 5th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, October 23-27, 2018, Waikoloa, Hawaii (October 2018).

Photon-strength functions and experimental measurement techniques, **A. Simon**, **Invited talk**, Nuclear Structure 2018 (NS2018) East Lansing, Michigan (August 2018).

Stewardship science at the University of Notre Dame, **A. Simon**, 2018 Stewardship Science Academic Programs (SSAP) Symposium, North Bethesda, Maryland (February 2019).