TALKS PRESENTED
April 1, 2021 – March 31, 2022

Status of $^{12}C+^{12}C$ fusion and Trojan horse as invaluable tool to advance it, **A. Zhanov**, **Invited talk**, IReNA/ChETEC meeting on nuclear reaction measurements underground, Rome Global Gateway, Roma Italia (April 2021).

Chiral kinetic model study of chiral magnetic and vortical effects, **C.M. Ko**, **Invited talk**, Fudan University, Shanghai, China (February 2022).

Development of a methodology for the radiochronometric analysis of ^{226}Ra-containing radiological samples for nuclear forensics, **J. Garcia**, **Talk**, ACS Spring 2022 National Meeting & Exposition, San Diego, California (March 2022).

Automation of astatine recovery from nitric acid media, **E. Tereshatov**, **Talk**, ACS Spring 2022 National Meeting & Exposition, San Diego, California (March 2022).

Metal adsorption on functionalized silicon detectors for the future study of meitnerium chemistry, **V. Zakusilova**, **Talk**, American Chemical Society Spring 2022, Bonding Through Chemistry, San Diego, California (March 2022).

Inclusive excellence: You can make a difference, **S.J. Yennello**, **Invited talk**, Argonne National Laboratory, Argonne, Illinois (March 2022).

Probing the equation-of-state with heavy ion collisions, **S.J. Yennello**, **Invited talk**, TRIUMF, Vancouver, Canada (March 2022).

Diving deep on the periodic table to find a treatment for cancer, **S.J. Yennello**, **Invited talk**, Simon Frasier University, Burnaby, Canada (March 2022).

Diving deep on the periodic table to find a treatment for cancer, **S.J. Yennello**, **Invited talk**, University of British Columbia, Vancouver, Canada (March 2022).

Diving deep on the periodic table to find a treatment for cancer, **S.J. Yennello**, **Invited talk**, University of Victoria, Victoria, Canada (February 2022).

Characterizing and correcting effects on measured excitation energies in DAPPER, **A. Abbott**, **Virtual Talk**, 2022 SSAP Symposium, College Station, Texas (February 2022).

Novel experiments with a TPC: beta-delayed charged-particle spectroscopy and neutron-induced reactions, **J. Bishop**, **Invited Talk**, IOP Nuclear Physics Group Colloquium, University of Birmingham (Remote), Birmingham, United Kingdom (February 2022).

Nuclear chemistry: Fundamental science serving society, **S.J. Yennello**, **Invited Talk**, International Atomic Energy Agency CUWiP, virtual (January 2022).

Neutron-upscattering enhancement of the triple-alpha process, **J. Bishop**, **Invited Talk**, Saint Mary's University (Remote), Halifax, Canada (January 2022) .

Status of $^{12}C+^{12}C$ fusion and Trojan horse as Invaluable tool to advance it, **A. Zhanov**, **Invited talk**, IReNA/ChETEC meeting on nuclear reaction measurements underground, Rome Global Gateway, Roma Italia (April 2021).

Probing the nuclear symmetry energy with rare isotope beams, **C.M. Ko**, **Invited talk**,Fudan University, Shanghai, China (September 2021).

Coalescence production of light nuclei in HIC, **C.M. Ko**, **Invited talk**, Fudan University, Fudan University, Shanghai, China (December 2021).

Developing isotope production capabilities with heavy-ion beams at Texas A&M University, **L. McIntosh**, **Talk**, The International Chemical Congress of Pacific Basin Societies 2021, Honolulu, Hawaii (December 2021).

Fast and efficient recovery of ^{211}At at Texas A&M University: Gaining insight of at chemistry in the liquid phase, **E. Tereshatov**, **Talk**, Pacifichem 2021, College Station, Texas (December 2021).

Time-resolved equilibration: How to measure the motion of protons and neutrons on a subzeptosecond timeframe time-resolved equilibration: How to measure the motion of protons and neutrons on a subzeptosecond timeframe, **A. McIntosh**, **Invited Talk**, 21st Zimanyi School Winter Workshop on Heavy Ion Physics, Wigner Research Center for Physics (Zoom), Budapest, Hungary (December 2021).

The asymmetry dependence of temperatures measured in fusion-evaporation reactions and in multi-fragmentation reactions The asymmetry dependence of temperatures measured in fusion-evaporation reactions and in multi-fragmentation reactions, **A. McIntosh**, **Invited Talk**, 2021 International Workshop on the Multi-facets of EOS and Clustering (IWM-EC 2021), GANIL, Caen, France (November 2021).

High and low energy nucleon productions in intermediate heavy ion collisions, using AMD with Fermi boost and 3Body collision terms, **R. Wada**, **Invited Talk**, IWM-EC 2021: International workshop on Multi-facets of EOS and Clustering, GANIL, CAEN, France (November 2021).

V_{ud} from superallowed nuclear β+ decays: new high-precision experimental results, **V. Iacob**, **Talk**, 11th International Workshop on the CKM Unitarity Triangle (CKM 2021), (Virtual), Melbourne, Australia (November 2021).

TAMU NSDD CENTER report 2021, **N. Nica**, **Talk**, Nuclear Data Week(s) 2021 (CSEWG-USNDP-NDAG), Brookhaven National Laboratory, National Nuclear Data Center (NNDC) (Virtual), Upton, New York (November 2021).

Medical radioisotopes production studies: ^{67}Cu case, **N. Nica**, **Talk**, Nuclear Data Week(s) 2021 (CSEWG-USNDP-NDAG), Brookhaven National Institute, National Nuclear Data Center (NNDC) (Virtual), Upton, New York (November 2021).

Nuclear science serving society: Advances in ^{211}At production at Texas A&M University, **S.J. Yennello**, **Invited Talk**, Massachusetts Institute of technology, Cambridge, Massachusetts (October 2021).

Evidence against the Efimov effect in ^{12}C from spectroscopy and astrophysics, **J. Bishop**, **Talk**, 2021 Fall Meeting of the APS Division of Nuclear Physics, Virtual (October 2021).

Current capabilities in astatine-211 production at Texas A&M University, **L. McIntosh**, **Talk**, Division of Nuclear Physics, American Physical Society, Boston, Massachusetts (October 2021).

Probing the asymmetry dependence of the nuclear caloric curve in fusion-evaporation reactions, **A. McIntosh**, **Talk**, 2021 International Symposium on the Nuclear Symmetry Energy (NuSym21), Virtual (October 2021).

Evidence for the asymmetry dependence of the nuclear caloric curve in fusion reactions, **A. McIntosh**, **Talk**, Meeting of the Division of Nuclear Physics of the American Physical Society, Virtual (October 2021).

Probing a possible excited-state of tritium via the ^{6}He(p,t) reaction with TexAT, **C. Parker**, **Talk**, 2021 Fall Meeting of the APS Division of Nuclear Physics, Virtual (October 2021).

Using DAPPER to measure ^{58}Fe Photon Strength Function via the Oslo method, **A. Abbott**, **Talk**, CENAUR LANL Visit, Los Alamos National Lab, Los Alamos, New Mexico (October 2021).

Development of the TexNeut array for basic science, **C. Parker**, **Talk**, CENTAUR-JINPA Neutron Detector Workshop, Virtual, College Station, Texas (September 2021).

From there and back again: perspectives of an Ohio graduate student and visitor, **C. Parker**, **Talk**, 50 Years of Discovery at the Edwards Accelerator Laboratory, Ohio University, Athens, Ohio (September 2021).

Impacts of neutron excess on equilibrating and equilibrated nuclear systems, **A. McIntosh**, **Talk**, Texas A&M University Cyclotron Institute, College Station, Texas (September 2021).

Characterization of thiolate self-assembled monolayers on gold-coated silicon chips for future detection of radioactive isotopes, **V. Zakusilova**, **Talk**, American Chemical Society Fall 2021, Resilience of Chemistry, Virtual, Atlanta, Georgia (August 2021).

Investigation of signatures of short-range correlations in intermediate energy heavy ion collisions, **K. Hagel**, **Talk**, Sherry Yennello Glenn Seaborg Award Symposium, Atlanta, Georgia (August 2021).

Thermodynamics, dynamics and equilibration, **A. McIntosh**, **Talk**, Glenn Seaborg award symposium in honor of Sherry Yennello, ACS Fall Meeting, Atlanta, Georgia (August 2021).

Fundamental science impacting society, **S.J. Yennello**, **Invited talk**, ACS meeting, Atlanta, Georgia (August 2021).

Using DAPPER to measure Photon Strength Functions via the Oslo Method, **A. Abbott**, **Talk**, ACS Seaborg Symposium , Georgia World Congress Center, Atlanta, Georgia (August 2021).

Non-conventional solvents for astatine and bismuth separation, **E. Tereshatov**, **Talk**, ACS Fall 2021, Atlanta, Georgia (August 2021).

Advancing research in Texas through experiments in medical isotope science, **L. McIntosh**, **Talk**, ACS Fall Meeting, Atlanta, Georgia (August 2021).

Advances in nuclear spectroscopy with TPCs, **J. Bishop**, **Talk**, Low-Energy Community Meeting, Virtual (August 2021).

Steps forward in astatine-211 production and chemistry at Texas A&M University, **L. McIntosh**, **Talk**, DOE Isotope Program Astatine-211 User Meeting, Knoxville, Tennessee (August 2021).
Search for Bose condensation in nuclei, **G. Rogachev**, **Invited talk**, From quasi-classics to Bose condensation and everything in between, College Station (Virtual) (August 2021).

Ongoing experiments with TexAT: Neutron-induced, transfer, and elastic scattering reactions, **J. Bishop**, **Talk**, Low-Energy Community Meeting, Virtual (August 2021).

Recent experimental progresses in balance function measurements from ALICE and STAR experiments, **J. Pan**, **Talk**, Balance Function Workshop, Michigan State University, East Lansing, Michigan (August 2021).

New class of chemical compounds for studying medical radioisotopes and superheavy elements, **E. Tereshatov**, **Talk**, Promotion Seminar, Texas A&M University, College Station, Texas (August 2021).

Astatine production toward targeted alpha therapy, **S.J. Yennello**, **Invited Talk**, NSCL - MSU, East Lansing, Michigan (July 2021).

Diversifying physics via a nuclear science summer camp, **L. McIntosh**, **Talk**, 7th IUPAP International Conference on Women in Physics, Virtual (July 2021).

Geant4 Masterclass: simulation of TPCs, **J. Bishop**, **Invited talk**, University of Connecticut, LNS Avery Point, Groton, Connecticut (July 2021).

Clustering in light nuclei, Hoyle state and Efimov effect, **G. Rogachev**, **Invited talk**, Nuclear Physics at the Edge of stability, Virtual, Trento, Italy (June 2021).

Using trapped atoms and ions for fundamentally cool physics, **D. Melconian**, **Invited Talk**, REU seminars at the CI, Cyclotron Institute, Texas A&M University, College Station, Texas (june 2021).

Functionalized surfaces and oxidation states of on-line produced thallium, **E. Tereshatov**, **Talk**, TASCA 21, Darmstadt, Germany (June 2021).

Development of a neutron detector array for basic science: TexNeut, **C. Parker**, **Invited Talk**, ISR-1 Seminar, LANL, virtual (June 2021).

Towards measuring the Fierz interference parameter in ^{6}He β decay from a Penning trap using the CRES technique, **D. Melconian**, **Invited talk**, 2021 CAP Congress, Virtual, Canada (June 2021).

Direct and indirect measurements of charged-particle capture reactions, **G. Christian**, **Invited talk**, Canadian Association of Physicists Annual Congress, Virtual, Canada (June 2021).

TAMU NSDD evaluation center report 2021, **N. Nica**, **Talk**, Technical Meeting of the NSDD network (Virtual), Nuclear Data Services, IAEA Vienna , Vienna, Austria (May 2021).

Texas A&M US Nuclear DATA Program, **N. Nica**, **Talk**, HINPw6 – Hellenic Institute of Nuclear Physics; 6th International Workshop; Perspectives on Nuclear Physics; From Fundamentals to Applications, Hellenic Institute of Nuclear Physics, Athens, Greece (May 2021)

Precise branching ratio measurement for the superallowed β+ decay of ^{34}Ar, **V. Iacob**, **Talk**, 6th Workshop of The Hellenic Institute of Nuclear Physics (HINPw6), (Virtual), Athens, Greece (May 2021).

Calculation of the $^{12}C+^{12}C$ sub-barrier fusion cross section in an imaginary time-dependent mean field theory, **A. Bonasera**, **Invited talk**, HINPw6 workshop, Athens, Greece (May 2021).

CENTAUR and LANSCE synergistic science, **S.J. Yennello**, **Invited talk**, LANSCE Futures Spring Workshop 2021: Nuclear Science, LANL, Virtual, Texas (May 2021).

Preparing DAPPER to measure Photon Strength Functions, **A. Abbott**, **Talk**, 2021 CENTAUR Review, Virtual, College Station, Texas (April 2021).

About difficult evaluation decisions: a case study, **N. Nica**, **Talk**, ENSDF 2021, National Nuclear Data Center, Brookhaven National Laboratory , Upton, New York (April 2021).

Normalizing flows for microscopic calculations of the equation of state, **J. Holt**, **Invited talk**, Nuclear forces for precision nuclear physics, Institute for Nuclear Theory, Seattle, Washington (April 2021).

Identification of multinucleon transfer products with short-lived daughter nuclei, **A. Hood**, **Talk**, American Physical Society, Online, Virtual (April 2021).

Constraining the nonanalytic terms in the isospin-asymmetry expansion of nuclear equation of state, **P. Wen**, **Talk**, APS April Meeting 2021, College Station, Texas (April 2021).

Influence of Z and N on fusion-evaporation cross sections for heavy element synthesis, **C. Folden III**, **Invited talk**, APS Virtual April Meeting, College Park, Maryland (April 2021).

Experimental tests of isospin symmetry breaking in superallowed beta decay, **V. Iacob**, **Talk**, APS Virtual April Meeting, College Park, Maryland (April 2021).

Isotope production capabilities at Texas A&M University, **L. McIntosh**, **Talk**, APS Virtual April Meeting, College Park, Maryland (April 2021).

Response functions for hot and dense nuclear nuclear matter from chiral nuclear forces, **E. Shin**, **Talk**, APS Virtual April Meeting, College Park, Maryland (April 2021).

Progress in the development and characterization of position- and n/γ-discriminating neutron detector modules, **C. Parker**, **Talk**, APS Virtual April Meeting, College Park, Maryland (April 2021).

Characterization of 1-(11-mercaptoundecyl)imidazole self-assembled monolayers on gold-coated silicon chips, **V. Zakusilova**, **Talk**, American Chemical Society Spring 2021, Macromolecular Chemistry: The Second Century, Virtual , San Antonio, Texas (April 2021).

Smashing gold on gold: producing and identifying trans-target multinucleon transfer products, **A. Hood**, **Talk**, Texas Section of the APS, Texas A&M University at Corpus Cristi, Virtual, Texas (April 2021).

Influence of Z and N on the synthesis of heavy elements in fusion-evaporation reactions, **C. Folden III**, **Invited talk**, ACS Spring 2021 Virtual Meeting & Expo, Washington, DC (April 2021).

Conventional solvents for astatine and bismuth separation, **E. Tereshatov**, **Talk**, ACS Spring 2021, Virtual, College Station (April 2021).

Normalizing flows for microscopic calculations of the equation of state, **J. Holt**, **Invited talk**, Nuclear Physics Journal Club, University of Illinois Urbana Champaign, Urbana, Illinois (April 2021).