

TALKS PRESENTED

April 1, 2023 – March 31, 2024

Heavy ion collisions: tool for studying strong-interaction matter, **C. M. Ko**, Colloquium, Institute of Physics, Academia Sinica, Taipei, Taiwan (March 2024).

Hadronic effects on Lambda polarization, **C. M. Ko**, **Invited Talk**, ExHIC-p Workshop on Polarization Phenomena in Nuclear Collisions, Taipei, Taiwan (March 2024).

DAPPER and Triton Beams, **A. McIntosh**, **Talk**, Trotin 2024, Florida State University, Tallahassee, Florida (March 2024).

Nucleon-Nucleon Bremsstrahlung in Fermi-Energy Heavy-Ion Collisions, **T. Onyango**, **Talk**, Stewardships Science Academic Programs Symposium, college station, Texas (February 2024)

Forward Analysis of ^{58}Fe 's Photon Strength Function With The DAPPER Array, **M. Sorensen**, **Talk**, SSAP, Washington, D.C. (February 2024).

Preliminary Analysis towards ^{55}Fe Photon Strength Function using $^{54}\text{Fe}(d, p)^{55}\text{Fe}$ reactions with DAPPER, **A. Alvarez**, **Talk**, Stewardship Science Academic Programs, Arlington, Virginia (February 2024).

^6He -CRES: Recent progress and future plans, **D. Melconian**, **Invited Talk**, XLV Symposium on Nuclear Physics, Cocoyoc, Morelos, Mexico (January 2024).

2023

Precise half-life measurement of ^{29}P , **V. Jacob**, **Talk**, 6th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa Village, Hawaii, United States (November 2023).

Survival of Excited, Heavy Compound Nuclei, **C. Folden III**, **Talk**, 6th Joint Meeting of the APS Division of Nuclear Physics and the Physical Society of Japan, Waikoloa, Hawaii (November 2023).

Cross section measurement for ^{149}Tb production, **A. McIntosh**, **Talk**, Meeting of the Division of Nuclear Physics of the American Physical Society, Waikoloa, Hawaii, (November 2023).

Progress on the Extraction of ^{58}Fe 's Photon Strength Function with the DAPPER Array Using the Forward Method, **M. Sorensen**, **Talk**, American Physical Society, Waikoloa, Hawaii, (November 2023).

Nuclear Forensic Analysis of Manhattan Project Plutonium, **C. Folden III**, **Invited Talk**, Southwest Regional Meeting of the American Chemical Society, Oklahoma City, Oklahoma (November 2024).

Signatures of Short-Range Correlations in Intermediate Energy Heavy Ion Collisions, **K. Hagel**, **Invited Talk**, Workshop on Particles Correlations and Femtoscopy 2023, INFN, Sezione di Catania and Laboratori Nazionali del Sud (LNS), Physics and Astronomy Department "E. Majorana" of the University of Catania, Catania, Italy (November 2023).

Nuclear Forensic Analysis of Manhattan Project Plutonium, **C. Folden III**, **Talk**, 66th Radiobioassay & Radiochemical Measurements Conference, West Palm Beach, Florida (November 2023).

Nuclear Forensic Analysis of Manhattan Project Plutonium, **C. Folden III**, **Invited Talk**, Southeast Regional Meeting of the American Chemical Society, Durham, North Carolina (October 2023).

Normalizing flows for Monte Carlo importance sampling and quantum many-body calculations, **J. Holt**, **Invited Talk**, Fall 2023 meeting of TSAPS, TSAAPT, and Zone 13 of the SPS, San Angelo, Texas (October 2023).

The STAR Forward Upgrade, **C. Gagliardi**, **Invited Talk**, 25th International Spin Physics Symposium (SPIN 2023), Duke University, Durham, North Carolina (September 2023)

Experiments with Texas Active Target Detector on Rare Isotope Beams, **Y. Koshchiy**, **Talk**, XXXVII Mazurian Lakes Conference on Physics September 7, 2023, Warsaw, Poland (September 2023).

Status of Texas A&M - Cyclotron Institute USNDP Evaluation Center, **N. Nica**, **Invited Talk**, Nuclear Data Advisory Committee Meeting, National Nuclear Data Center, Brookhaven National Laboratory, Upton, New York (September 2023).

Quark recombination: past results, recent developments and future perspectives, **C. M. Ko**, **Invited Talk**, **Invited Talk**, International Workshop on Past, Present and Future of High-Energy Heavy-Ion Physics, China Central Normal University, Wuhan, China (September 2023).

Reflection on works with Chinese Aggies, **C. M. Ko**, **Invited Talk**, International Mini-Workshop on Heavy-Ion Collisions and Phase Structure of Nuclear Matter, Fudan University, Shanghai, China (July 2023).

Transport model for nuclear symmetry energy study, **C. M. Ko**, **Invited Talk**, **Invited Talk**, The International Symposium on Physics of Unstable Nuclei 2023, Phu Quoc Island, Vietnam, (May 2023).

Mechanism of astatine and bismuth sorption on extraction chromatography resins from nitric acid media, **E. Tereshatov**, **Talk**, ACS Fall 2023, San Francisco, California (August 2023).

Heavy Element Capabilities at Texas A&M University, **C. Folden III**, **Invited Talk**, **Invited Talk**, Low-Energy Community Virtual Meeting, East Lansing, Michigan (August 2023).

Photon Strength Function of ⁵⁸Fe using the Oslo and Shape Methods, **A. Abbott**, **Talk**, 2023 CENTAUR SAC Meeting, Los Alamos National Laboratory, Los Alamos, New Mexico (August 2023).

Nucleon-Nucleon Bremsstrahlung in Heavy-Ion Collisions at Fermi Energies, **T. Onyango**, **Talk**, **Talk**, Scientific Advisory Committee meeting for CENTAUR, Los Alamos National Laboratory, Los Alamos, New Mexico (August 2023).

(Not) Understanding globular cluster pollution through nuclear reactions, **P. Adsley**, **Invited Seminar**, Surrey Nuclear Seminar, University of Surrey, Guildford, United Kingdom (August 2023).

Microscopic many-body theory for hot and dense matter 2, **J. Holt**, **Invited Talk**, **Invited Talk**, Special Nuclear Physics Lecture Series, Yonsei University, Seoul, South Korea (June 2023).

Microscopic many-body theory for hot and dense matter 1, **J. Holt**, **Invited Talk**, Special Nuclear Physics Lecture Series, Yonsei University, Seoul, South Korea (June 2023).

First observation of the $\beta_{3\alpha}$ decay of ^{130}Te via β -delayed charged-particle spectroscopy, **J. Bishop**, **Talk**, PROCON2023, Warsaw, Poland (June 2023).

Medical radioisotope production using inverse kinematics, **M. Dias Rodrigues**, **Talk**, Advances in Radioactive Isotope Science conference (ARIS 2023), Avignon, France

Preliminary Forward Analysis on ^{58}Fe 's Photon Strength Function using DAPPER, **M. Sorensen**, **Talk**, Nuclear Chemistry GRC, Colby Sawyer, New London, New Hampshire (June 2023).

TexAT and TeBAT: a multitude of experiments, **J. Bishop**, **Invited Talk**, TPC2023, College Station, Texas (May 2023).

Microscopic optical potentials for the FRIB era, **J. Holt**, **Invited Talk**, FRIB TA Topical Program: Theoretical Justifications and Motivations for Early High-Profile FRIB Experiments, East Lansing, Michigan (May 2023).

Texas A&M University Master's Program in Radiation Effects, **C. Parker**, **Invited Talk**, SEE Symposium and MAPLD Combined Workshop, La Jolla, California May 2023).

DAPPER TPC, **A. McIntosh**, **Invited Talk**, TPC 2023, College Station, Texas (May 2023).

Mixtures of active pharmaceuticals for studying behavior of medical radioisotopes, **E. Tereshatov**, **Talk**, 3rd International Conference on Radioanalytical and Nuclear Chemistry, Budapest, Hungary (May 2023).

alpha-cluster structure of ^{18}Ne , **M. Barbui**, **Talk**, ANL Physics Division Seminar, Argonne National Laboratory, Lemont, Illinois (May 2023).

Heavy Element Research at Texas A&M University, **C. Folden**, **Invited Talk**, 20th Workshop on [a] Recoil Separator for Superheavy Element Chemistry & Physics, Darmstadt, Germany (April 2023).

Neutron-upscattering enhancement of the triple-alpha process, **J. Bishop**, **Talk**, APS April Meeting, Minneapolis, Minnesota (April 2023).

Exploring sub-barrier fusion reactions, **A. Bonasera**, **Invited Talk**, SDSS-V/IReNA Science Festival, Institute of Astronomy, KU Leuven., Leuven, Belgium (April 2023).