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| **Organization Legal Name** | **Investigator** | **Title** |
| Colorado School of Mines | Eliasson, Veronica | Research on Augmentable Morphologies of PBX And Granulated Explosives (RAMPAGE) |
| Duke University | Finch, Sean | Gamma-ray production from inelastic neutron scattering |
| Duke University | Crowell, Alexander | Cross-Section Measurements of Neutron and Charged-Particle Reactions on Tungsten |
| Georgia Tech Research Corporation | Ranjan, Devesh | Detailed Measurements of Turbulent Rayleigh-Taylor and Richtmyer-Meshkov Mixing at Extreme Conditions |
| Georgia Tech Research Corporation | Thadhani, Naresh | Probing Effects of Dissipative Processes on Spall Failure of Materials |
| Michigan State University | Nazarewicz, Witold | Microscopic Description of the Fission Process |
| Michigan State University | Liddick, Sean | Neutron capture cross section measurements on short-lived isotopes |
| Michigan State University | Bollen, Georg | High-Precision Mass Measurements of Rare Isotopes Relevant to Nuclear Astrophysics and National Security |
| Michigan State University | Gaiser, Alyssa | Exploring Varied Oxidation States of Plutonium, Americium, and Curium Tris Pyrazolyl Borate Complexation for Separations |
| Ohio University | Brune, Carl | Measurement and Analysis of Nuclear Reactions with Light Nuclei |
| Ohio University | Richard, Andrea | Statistical Nuclear Physics for Applications Using Stable and Rare Isotope Beams |
| President and Fellows of Harvard College | Jacobsen, Stein | From Z to Planets – Phase V |
| Purdue University | Guildenbecher, Daniel | Elucidating Transients in Cerium Hydride Reaction Dynamics through Advanced Diagnostics |
| Stanford University | Dresselhaus-Marais, Leora | Establishing the Next Generation of Metal Additive Manufacturing Microscopes at X-ray Free Electron Lasers |
| The Johns Hopkins University | Hurley, Ryan | Heterogeneous Materials in Extreme Dynamic Environments: Mechanics and Kinetics Through Coupling Experiments with In-Situ Measurements and Mesoscale Models |
| The Rector & Visitors of the University of Virginia | Baek, Stephen | Advancing Physics-Informed Machine Learning for the Discovery of Structure-Property-Performance Linkages in Multiphase Heterogeneous Energetic Compounds |
| The Regents of the University of California | Bernstein, Lee | Correlated neutron-gamma data for stewardship science |
| The Regents of the University of California, U.C. San Diego | Maple, M Brian | Novel d- & f- Electron Materials Under Extreme Conditions of Pressure, Temperature, and Magnetic Field |
| University of Florida | Wall, Nathalie | Neptunium and plutonium separation with di-1-methyl heptyl methyl phosphonate |
| University of Notre Dame | Simon-Robertson, Anna | Neutron capture cross sections for stockpile stewardship |
| University of Notre Dame | Aprahamian, Ani | Novel techniques for the preparation of highly radioactive actinide targets |
| University of Rochester | Tzeferacos, Petros | Experiments and Validated Modeling of Collapsing Foams for Inertial Confinement Fusion |
| University of South Florida | Oleynik, Ivan | Solid-liquid Phase Transitions at Extremes |
| University of Tennessee  | Grzywacz, Robert | Beta-delayed neutron spectroscopy of exotic nuclei, intersections of nuclear-structure and statistical models |
| Washington State University | Yoo, Choong-Shik | Planetary Materials under Extreme Conditions: Novel States, Structures, and Chemistry of Low Z Quantum Mixtures at Complex Interfaces |