

pumped environment to improve the evaporatively cooled gas temperatures due to suppression of hole-induced heating.

Docket Number: 24–004. Applicant: University of Colorado JILA Department, 1900 Colorado Avenue, Campus Box 440 UCB, Boulder, CO 80309. Instrument: Fiber Laser. Manufacturer: Shanghai Precilasers Technology Co., China. Intended Use: The instrument is intended to be used for research that will be conducted on barely interacting Strontium (Sr) atoms confined and cooled by lasers down to extremely cold temperatures, below 1 microkelvin. The frequency of transition to a highly stable state in Sr atoms can be used as the reference of the unit of time. To realize the atomic clock operation, precision quantum spectroscopy experiment will be performed to measure the transition frequency. The laser claimed for the duty-exemption is an 813 nm fiber laser module with a single-mode continuous-wave (CW) output power of 10 W, which will be used for setting up the 813 nm magic-wavelength optical lattice for our experiment. The Sr atoms are thus confined in each lattice node while showing minimally perturbed transition frequency. The research is conducted by graduated students at the University of Colorado as field training in their degree programs.

Docket Number: 24–005. Applicant: University of Florida, P.O. Box 118525, Gainesville, FL 32611. Instrument: UniPrep2 for determining hydrogen isotopic composition. Manufacturer: EuroVectro, Italy. Intended Use: The instrument Uniprep2 is intended to be used in the measurement of hydrogen isotope composition of complex organic samples to control hydrogen-isotope exchange and for sample drying and vapor equilibration. The properties of the materials studied are that they have exchangeable hydrogen and residual moisture contamination. This instrument helps to address those complications that can have biased results.

Docket Number: 24–006. Applicant: University of Colorado JILA Department, Campus Box 440 UCB, JILA Building, Room S/175, Boulder, CO 80309. Instrument: Narrow linewidth laser@2923nm. Manufacturer: Shanghai Precilasers Technology Co., Ltd, China. Intended Use: The instrument is intended to be used to study continuous superradiant lasing from Strontium atoms. The lasing will be induced in part using the lasing system purchased. The laser will be used to perform experiments that will demonstrate (for the first time anywhere) continuous

superradiant lasing. The laser will be used to cool the atoms to a few millionths of a degree above absolute zero. To achieve these goals, we require a narrowlinewidth laser source (<50kHz) with high output power (>400mW) at 2923 nm for laser cooling and trapping Strontium atoms using the internal levels 3P2 to 3D3.

Docket Number: 24–007. Applicant: University of Massachusetts Amherst, Department of Polymer Science and Engineering, 120 Governors Drive, Amherst, MA 01003. Instrument: Food Elasticity Measurement System. Manufacturer: Changfu Technology (Beijing) Company, Ltd., China. Intended Use: The instrument is intended to be used for rubber elasticity—The system allows for measuring properties such as elastic modulus, stress-strain relationship, and resilience of rubber materials; Food texture temperature response and elasticity, with the temperature control unit, the system enables studying how food textures change in elasticity and firmness with temperature variations; and Polymer glass thermal analysis—the system's thermal analysis capabilities facilitate the examination of heat conduction properties in polymer glasses, including thermal conductivity and heat transfer behavior.

Docket Number: 24–008. Applicant: Harvard University, Department of Physics, 17 Oxford Street, Jefferson Laboratory, Cambridge, MA 02138. Instrument: (1) 703nm single frequency fiber laser, (1) 1080nm single-frequency fiber laser. Manufacturer: Shanghai Precilaser Technology, Co., Ltd., China. Intended Use: The instruments are intended to be used in support of the Advanced Cold Molecule Electron Electric Dipole Moment Experiment (ACME EDM experiment), a collaborative physics experiment now between Harvard University, Northwestern University, and University of Chicago. The goal of the ACME project is to shed light on the reasons for why there is more matter than antimatter in the universe through the measurement of properties of the Thorium-232 Monoxide molecules.

Dated: May 29, 2024.

Gregory W. Campbell,

Director, Subsidies and Economic Analysts, Enforcement and Compliance.

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DEPARTMENT OF COMMERCE

International Trade Administration

Renewal of the United States Manufacturing Council

AGENCY: International Trade Administration, U.S. Department of Commerce.

ACTION: Notice of charter renewal and recruitment.

SUMMARY: On March 22, 2024, the charter of the United States Manufacturing Council (Council) was renewed for a two-year period, ending March 22, 2026. The Council is a Federal advisory committee under the Federal Advisory Committee Act, as amended.

ADDRESSES: For information on the Council charter renewal, please visit: <https://www.facadatabase.gov/FACA/s/FACACouncil/a10t0000001gzmbAAA/com000200>.

FOR FURTHER INFORMATION CONTACT: Jaron Bass—telephone: 202–839–2357, email: Jaron.Bass@trade.gov or Cornelius Gyamfi—telephone: 202–839–4372, email: Cornelius.Gyamfi@trade.gov.

Dated: May 29, 2024.

Jaron Bass,

Designated Federal Officer, Office of Transportation and Machinery.

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DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

Judges Panel of the Malcolm Baldrige National Quality Award

AGENCY: National Institute of Standards and Technology, Department of Commerce.

ACTION: Notice of closed meeting.

SUMMARY: The Judges Panel of the Malcolm Baldrige National Quality Award (Judges Panel) will meet in closed session on Thursday, June 20, 2024, from 12 p.m. to 6 p.m. eastern time. The purpose of this meeting is to review the results of examiners' ratings of Baldrige Award applications. Panel members will vote on which applicants merit site visits by examiners to validate the results and resilience, as well as the quality improvements and innovations, claimed by applicants. The meeting is closed to the public in order to protect the proprietary data to be examined and discussed.