

DOE Office of Science Inflation Reduction Act Project Breakdown

<u>Project</u>	<u>Laboratory</u>	<u>Program</u>	<u>Funding (B/A in thousands)</u>
Argonne Leadership Computing Facility	Argonne National Laboratory	Advanced Scientific Computing Research	54,100
National Energy Research Scientific Computing Center	Lawrence Berkeley National Laboratory	Advanced Scientific Computing Research	52,678
Oak Ridge Leadership Computing Facility	Oak Ridge National Laboratory	Advanced Scientific Computing Research	57,013
NSLS-II Experimental Tools-II (NEXT-II)	Brookhaven National Laboratory	Basic Energy Sciences	18,500
Nanoscale Science Research Centers (NSRC) Recapitalization	Brookhaven National Laboratory	Basic Energy Sciences	20,000
Linac Coherent Light Source-II High Energy (LCLS-II-HE)	SLAC National Accelerator Laboratory	Basic Energy Sciences	96,000
Cryomodule Repair & Maintenance Facility (CRMF)	SLAC National Accelerator Laboratory	Basic Energy Sciences	20,700
Second Target Station (STS)	Oak Ridge National Laboratory	Basic Energy Sciences	42,700
Advanced Light Source Upgrade (ALS-U)	Lawrence Berkeley National Laboratory	Basic Energy Sciences	96,600
Material Plasma Exposure Experiment (MPEX)	Oak Ridge National Laboratory	Fusion Energy Sciences	14,000
Matter in Extreme Conditions (MEC) Petawatt Upgrade	SLAC National Accelerator Laboratory	Fusion Energy Sciences	10,000
ITER	Oak Ridge National Laboratory	Fusion Energy Sciences	256,000

Accelerator Controls Operations Research Network (ACORN)	Fermi National Accelerator Laboratory	High Energy Physics	15,000
High-Luminosity Large Hadron Collider (HL-LHC) Compact Muon Solenoid (CMS)	Fermi National Accelerator Laboratory	High Energy Physics	34,600
Cosmic Microwave Background Stage 4 (CMB-S4)	Lawrence Berkeley National Laboratory	High Energy Physics	13,037
High Luminosity Large Hadron Collider (HL-LHC) A Toroidal LHC Apparatus (ATLAS)	Brookhaven National Laboratory	High Energy Physics	32,785
High Luminosity Large Hadron Collider (HL-LHC) Accelerator	Fermi National Accelerator Laboratory	High Energy Physics	38,355
Proton Improvement Plan II (PIP-II)	Fermi National Accelerator Laboratory	High Energy Physics	10,000
Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE)	Fermi National Accelerator Laboratory	High Energy Physics	125,000
Muon to Electron Conversion Experiment (Mu2e)	Fermi National Accelerator Laboratory	High Energy Physics	34,879
Electron Ion Collider (EIC)	Brookhaven National Laboratory	Nuclear Physics	105,180
Electron Ion Collider (EIC)	Thomas Jefferson National Accelerator Facility	Nuclear Physics	33,060
Gamma-Ray Energy Tracking Array (GRETA)	Lawrence Berkeley National Laboratory	Nuclear Physics	7,700
Measurement of a Lepton-Lepton Electroweak Reaction (MOLLER)	Thomas Jefferson National Accelerator Facility	Nuclear Physics	31,220

High Rigidity Spectrometer (HRS)	Michigan State University	Nuclear Physics	31,840
Ton-Scale Neutrinoless Double Beta Decay (TSNLDBD)	Oak Ridge National Laboratory	Nuclear Physics	5,000
Ton-Scale Neutrinoless Double Beta Decay (TSNLDBD)	Lawrence Berkeley National Laboratory	Nuclear Physics	650
Ton-Scale Neutrinoless Double Beta Decay (TSNLDBD)	Lawrence Livermore National Laboratory	Nuclear Physics	2,350
Radioisotope Processing Facility (RPF)	Oak Ridge National Laboratory	Isotope R&D and Production	12,178
Isotope Pre-production	Oak Ridge National Laboratory	Isotope R&D and Production	16,000
Isotope Pre-production	Los Alamos National Laboratory	Isotope R&D and Production	2,000
Radiochemical Processing Equipment	Los Alamos National Laboratory	Isotope R&D and Production	14,635
Centrifugal Contractor Equipment	Oak Ridge National Laboratory	Isotope R&D and Production	2,000
Electromagnetic isotope separator (EMIS) Equipment for Enrichment of Isotopes	Oak Ridge National Laboratory	Isotope R&D and Production	16,000
Heavy Water Detritiation Equipment	Savannah River National Laboratory	Isotope R&D and Production	20,000
Stable Isotope Production and Research Center activities	Oak Ridge National Laboratory	Isotope R&D and Production	75,000
Helium Recovery System	Ames National Laboratory	Science Laboratories Infrastructure	1,800

Heating, ventilation, and air conditioning (HVAC) System Upgrade Harley Wilhelm Mall	Ames National Laboratory	Science Laboratories Infrastructure	6,200
Waste Heat Recovery System – 200 Area	Argonne National Laboratory	Science Laboratories Infrastructure	3,920
B510 Upgrade Electrical Distribution, II	Brookhaven National Laboratory	Science Laboratories Infrastructure	5,150
Upgrade HVAC Systems Improvement II	Brookhaven National Laboratory	Science Laboratories Infrastructure	9,300
Emergency Communications Redundant Cooling	Fermi National Accelerator Laboratory	Science Laboratories Infrastructure	1,550
LSL2 Building Steam to Hydronics Conversion	Pacific Northwest National Laboratory	Science Laboratories Infrastructure	8,220
Fire Alarm System Replacement	Princeton Plasma Physics Laboratory	Science Laboratories Infrastructure	8,200
Life Safety Improvements	Princeton Plasma Physics Laboratory	Science Laboratories Infrastructure	7,300
Cooling Tower Upgrade Phase II	SLAC National Accelerator Laboratory	Science Laboratories Infrastructure	12,000
Laydown Yard Expansion	Thomas Jefferson National Accelerator Facility	Science Laboratories Infrastructure	2,250
Princeton Plasma Innovation Center (PPIC)	Princeton Plasma Physics Laboratory	Science Laboratories Infrastructure	10,000
Ames Infrastructure Modernization (AIM)	Ames National Laboratory	Science Laboratories Infrastructure	17,850
Seismic and Safety Modernization (SSM)	Lawrence Berkeley National Laboratory	Science Laboratories Infrastructure	22,500

Continuous Electron Beam Accelerator Facility (CEBAF) Renovation and Expansion	Thomas Jefferson National Accelerator Facility	Science Laboratories Infrastructure	10,000
Biological and Environmental Program Integration Center (BioEPIC)	Lawrence Berkeley National Laboratory	Science Laboratories Infrastructure	7,000

*The above numbers include \$15.5 million being held in a management reserve and will be distributed in January 2023.