

**AMENDMENT**

**to**

**ADDENDUM II**

**to**

**ACCELERATOR PROTOCOL III**

**between**

**THE DEPARTMENT OF ENERGY  
OF THE UNITED STATES OF AMERICA (DOE)**

**and**

**THE EUROPEAN ORGANIZATION  
FOR NUCLEAR RESEARCH (CERN)**

**to**

**THE CO-OPERATION AGREEMENT**

**concerning**

**SCIENTIFIC AND TECHNICAL CO-OPERATION  
IN NUCLEAR AND PARTICLE PHYSICS**

**2023**

**Amendment to Addendum II to Accelerator Protocol III  
for Participation by the U.S. Department of Energy  
in the High-Luminosity Large Hadron Collider  
Accelerator Upgrade**

The Department of Energy of the United States of America ("DOE"),

and

The European Organization for Nuclear Research ("CERN"), an Intergovernmental Organization having its seat at Geneva, Switzerland,

(hereafter collectively referred to as "the Parties"):

**CONSIDERING:**

That the Parties continue to collaborate to their mutual benefit under the Co-Operation Agreement concerning Scientific and Technical Co-Operation in Nuclear and Particle Physics signed May 7, 2015 (hereinafter the "2015 Co-Operation Agreement"), Accelerator Protocol III signed December 18, 2015 (hereinafter "Accelerator Protocol III") for cooperation on the Large Hadron Collider (LHC) accelerator consolidation plan and in the High-Luminosity (HL)-LHC accelerator upgrade, and under Addendum II to Accelerator Protocol III concerning Participation by DOE in the HL-LHC Accelerator Upgrade signed April 28 and May 2, 2017 (hereinafter the "Addendum");

That the Parties mutually desire to update the framework of the total contribution by DOE to the HL-LHC Accelerator Upgrade, as it is set out in the Addendum; and

That Article 9 of the Addendum provides that the Parties may amend the Addendum at any time by mutual written consent,

**HAVE AGREED AS FOLLOWS:**

## **Article 1**

### **Amendments**

- 1.1 Article 4.1 shall be deleted and replaced with the following text:

To enable the U.S. Participating Organizations to meet their responsibilities during design, research and development, prototyping and the construction phases of the HL-LHC accelerator upgrade, DOE shall provide total funding, established following the standard DOE accounting practice, up to \$275,000,000 (which includes contingency) to a nationally co-ordinated U.S. HL-LHC accelerator upgrade project. Funding for the HL-LHC accelerator upgrade shall be subject to the availability of appropriated funds.


## **Article 2**

### **Final Provisions**

- 2.1 Except for the amendments described in Article 1 herein, all other provisions of the Addendum remain unchanged.
- 2.2 This Amendment shall enter into force upon signature of the last of the Parties to sign.

DONE at Geneva, Switzerland, in duplicate in the English language, on 4 October 2023.


**FOR THE DEPARTMENT  
OF ENERGY OF THE UNITED  
STATES OF AMERICA:**



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Harriet Kung  
Deputy Director for  
Science Programs  
Office of Science

**FOR THE EUROPEAN  
ORGANIZATION FOR NUCLEAR  
RESEARCH:**



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Fabiola Gianotti  
Director-General