

# **MEMORANDUM OF UNDERSTANDING**

**between**

**The Institute of High Energy Physics, the Chinese Academy of Sciences (China)**

**and**

**Chiang Mai University (Thailand)**

**The Institute of High Energy Physics, the Chinese Academy of Sciences** (hereinafter referred to as IHEP), represented by its Director, Professor Jun CAO, with its headquarter located at 19B Yuquan Road, Shijingshan District, Beijing, 100049, China and

**Chiang Mai University** (hereinafter referred to as CMU), represented by its President, Professor Pongruk Sribanditmongkol, M.D., Ph.D., with its headquarter located at 239, Huay Kaew Road, Muang District, Chiang Mai, 50200 Thailand

Hereinafter referred to as the "Parties", have reached this Memorandum of Understanding (hereinafter referred to as the "MOU"), in accordance with subject to the following terms and conditions. This MOU is not a legally binding document but instead provides guidelines for discussions and cooperation going forward.

## **Article I OBJECTIVE**

The objective of this MOU is to establish a framework for scientific cooperation between the Parties to promote comprehensive cooperation between the Parties by combining the Parties' expertise, knowledge and by effective use of the Parties' facilities.

## **Article II FORMS OF COOPERATION**

Cooperative activities undertaken pursuant to this MOU may include but not limited to the following:

1. Conduct of joint or cooperative projects and programs of both parties:
  - 1.1 Accelerator physics and accelerator technology: both Parties will make joint efforts on accelerator-based facilities/infrastructure: CMU staff and students are encouraged to collaborate on the Circular Electron Positron Collider (CEPC), High Energy Photon Source (HEPS) and China Spallation Neutron Source (CSNS) at IHEP, IHEP staff and students are encouraged to collaborate on the FEL project at CMU. Both Parties will discuss to collaborate on the accelerator R&D for proton therapy
  - 1.2 Gamma astronomy and neutrino astronomy: two sides will collaborate on the Large High Altitude Air Shower Observatory (LHAASO) and the High-energy Underwater Neutrino Telescope (HUNT) project hosted by IHEP.
  - 1.3 Applied research by utilizing synchrotron radiation technology and neutron scattering technology in material science, environmental science and life science, etc.
  - 1.4 Heritage science: Both Parties will collaborate on projects focused on cultural heritage conservation and the application of technology to study both tangible and intangible heritage.
2. Exchange of staff, students, post-doctoral fellows engaged in these activities; CMU staff are encouraged to apply for UCAS's and CAS's fellowships to conduct the above research activities in IHEP;

3. Exchange of equipment, materials and instrumentation;
4. Exchange of research information and experiences of mutual interest;
5. Collaborative or consultative visits, joint conferences, seminars or summer schools;
6. Joint application for the fund;
7. Such other related fields of cooperation can be expended as the Parties may agree to.

### **Article III INTELLECTUAL PROPERTY RIGHTS**

The intellectual property developed by a Party in the execution of this MOU shall be vested in that Party. If it is developed jointly by the Parties, the intellectual property shall be vested in the Parties. Achievements in joint scientific research may be published based on mutual consent and may be used for their own purpose by written permission from the other Party. In necessary cases the patent affairs will be resolved through consultation between the Parties.

### **Article IV AMENDMENT AND EFFECTUATION**

This MOU will take effect on the date of the last signature and may be amended or modified in writing by mutual consent of the Parties and may be extended for additional periods. This MOU will take effect from the date of signature and will be valid for a period of Five (5) years from the date of effectuation, unless extended or modified by mutual written consent six months prior to the termination. Three months before the date of expiration, the Parties will consult with each other about the extension of this MOU.

### **Article V RESOLUTION OF DISPUTES**

If questions or disputes about the interpretation of the provisions of this MOU are caused by matters not covered in this MOU, the Parties shall consult with each other and conclude a mutually acceptable solution.

### **Article VI GENERAL PROVISION**


**Confidentiality:** The Parties agree to ensure that the confidential information within the collaborative activities remain confidential. Where the confidential information must be disclosed, the Parties shall enter into a confidentiality agreement in advance of the disclosure.

**Management:** Each party will assign an individual to have operational responsibility for fulfilling and overseeing the terms of this MOU. It would be expected that other representatives would lead the individual projects.

**Cost:** In principle, any costs incurred to execute this MOU will be the responsibility of each Party, Provided, however, that upon the request of one party, a portion of any cost of that party may be borne by the other Party through a mutual consent.

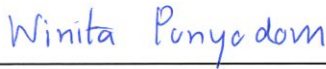
**Signed in two (2) originals in English, both being equally authentic.**

For Institute of High Energy Physics  
Chinese Academy of Sciences

  
\_\_\_\_\_  
Professor Wang Sheng  
Deputy Director

Date: August 12, 2025

For Chiang Mai University

  
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Associate Professor Winita Punyodom, Ph.D.  
Vice President

Date: August 12, 2025