



TIDC Annual Meeting

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教育部

Introduction

- Initially, in 2019, through MoST 推動規劃補助計畫, “透過參與 CERN 研究設施平台建立國內高能物理聯合實驗室”, we integrated the ex-HEP group in Taiwan to form a consortium.
- First HEP consortium meeting 台灣高能物理研討會 in Jan. 2021 when the 台灣高能物理聯合實驗室 was form.



- In 2022, the Core Facility - Taiwan Instrumentation and Detector Consortium (TIDC) was approved by (MoST)NSTC.

林次長，羅司長， and panel members visited NTU labs on Nov. 29, 2021 and received updates from AS/NCU/NCKU/NTU.



Missions and Objectives

- The core and main research areas are High Energy Physics experiments.
- The missions are to produce novel devices, electronics, and related software for basic Physics, interdisciplinary, as well as industrial applications.
- The consortium will be cross-institutional and interdisciplinary. Through collaboration, the various institutes will share responsibilities in several major R&D and construction projects.
- Provide training and education for Taiwan students and bring them into the HEP field or industry.

Workshops and Meetings

- Several workshops were held in the past years.



Agenda

MORNING R&D and Future projects

- EIC Project
- EIC - TOF mechanics
- SNSPD
- EQ Detectors
- LYSO calibration and measurement
- Computing

AFTERNOON Running Exp and Upgrades

- (Invited)
- Neutrino and Dark matter
 - RHIC - STAR
 - RHIC - sPHENIX
 - ATLAS - HL-LHC upgrade
 - CMS - HL-LHC upgrade - HGCAL SQC
 - CMS - HL-LHC - DCDC module
 - CMS - HL-LHC - HGCAL MAC
 - CMS - HL-LHC - HGCAL DPG