











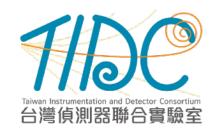


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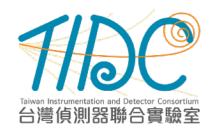
教育部



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.





TIDC



 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.





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.





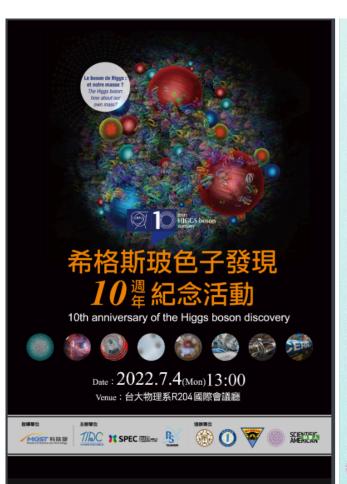




Schools and Events

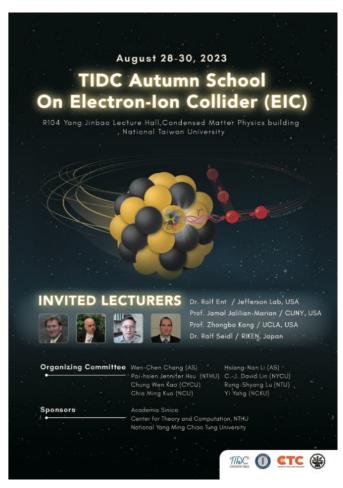


 We started the experimental HEP oriented summer school for undergrads.











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