

**ANPhA**

Asian Nuclear Physics Association

**IUPAP WG9 meeting**

**April 15, 2026**

# **Report from ANPhA**

**Tomohiro Uesaka (RIKEN)**

**Chair of ANPhA**



# ANPhA Overview

<https://asiannuclearphysic.wixsite.com/anpha>

## **14 member countries**

Australia, China, (Hong Kong→China), India, Japan, Kazakhstan, Korea, Mongolia, Myanmar, The Philippines, Region of Taiwan, Singapore, Thailand, Uzbekistan, Vietnam

## **ANPhA management in 2026–2028**

Chair: T. Uesaka (Japan)

Vice chairs: A. Thomas (Australia), Zhiyu Sun (China), J.K. Ahn (Korea)

Secretary: F. Sakuma (Japan)

## 23 Board members from 14 member countries/regions)

Australia: A. Thomas (Adelaide)

China: F. Xu, **Z. Sun (IMP)**, Y. Ma (Fudan), B. Guo (CIAE)

India: A. C. Pandey (IUAC), S. Som (VECC), V. Nanal (TIFR)

Japan: **S. Esumi(Tsukuba)**, **M. Harada (Nagoya)**, H. Tamura (Tohoku), T. Uesaka (RIKEN)

Korea: **J.K. Ahn(Korea)**, B. Hong (Korea), J.-H. Yoon (Inha)

Taiwan: **C.-M. Kuo (NCU)**

Vietnam: **L.X. Chung (INST)**

Myanmar: N.W. Lwin (Mandalay)

Kazakhstan: K. A. Kuterbekov (Eurasian Nat.)

Mongolia: to be determined

Philippines: D. L. Sombillo (Univ. of the Philippines)

Uzbekistan: **A. Nasirov** (Institute of Nuclear Physics of ASU)

Singapore: A. A. Bettioli (Nat. Univ. Singapore)

Thailand: T. Onjun (TINT)

*new since the last WG9 meeting*

Observers: **J. Lee (Hong Kong)**, W.P. Liu, K. Tanaka, D.-P. Min, Y.L. Ye, H. Sakai, S. Nagamiya,  
T. Motobayashi, E. Widmann (NuPECC)

## **ANPhA Board Meeting & Symposium 2025, Academia Sinica, Taipei, 27-29 Nov. 2025**

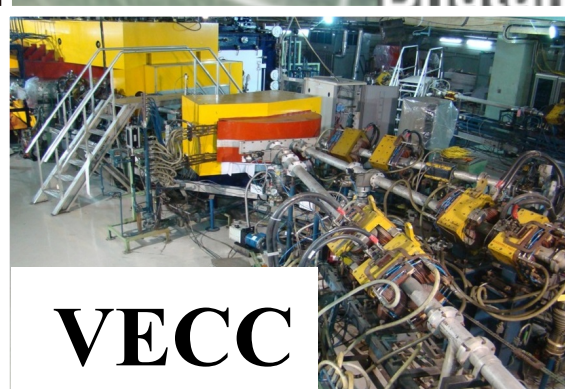
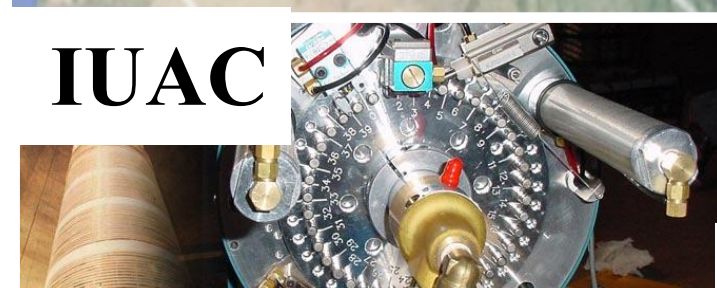
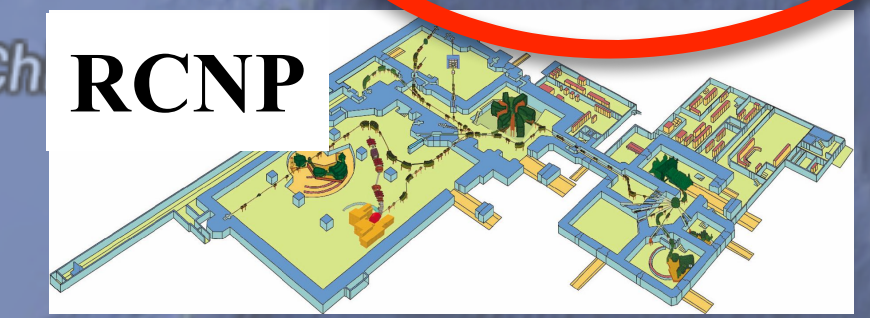
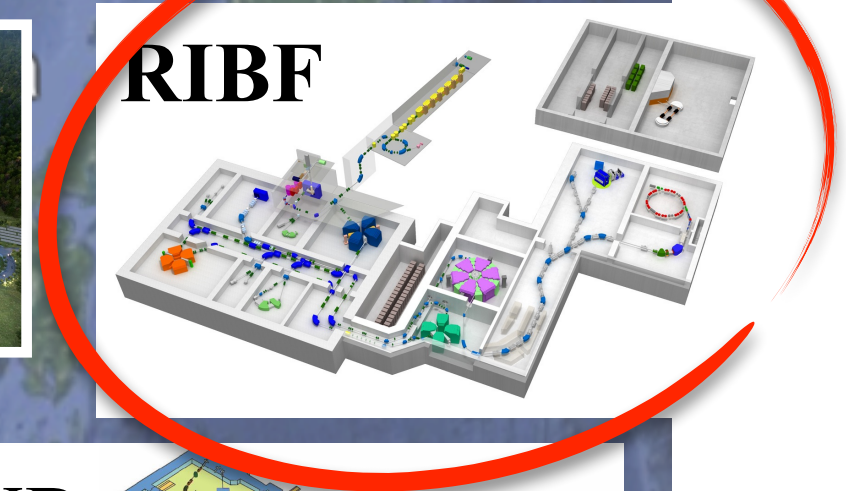
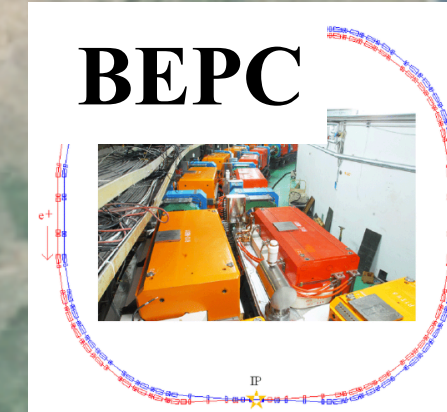
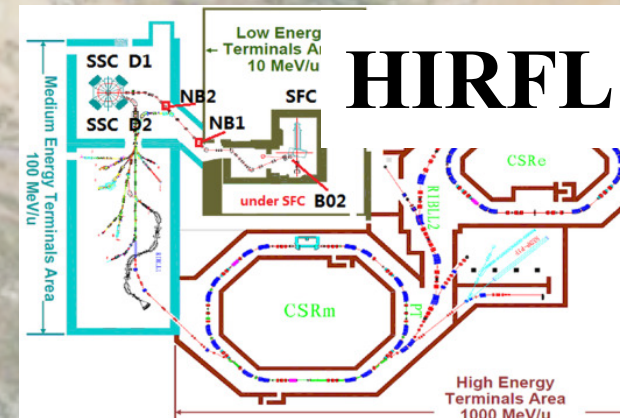


**ANPhA Board Meeting & Symposium 2026, Tashkent, Uzbekistan, 2–5 Nov. 2026**

<https://indico.inp.uz/event/2/>

# Nuclear Physics Facilities in Asia

Underground facilities  
 Kamiokande (Japan)  
 JUNO/JUNA (China)  
 Yemilab (Korea)  
 SUPL (Australia)



+ many small-scale facilities

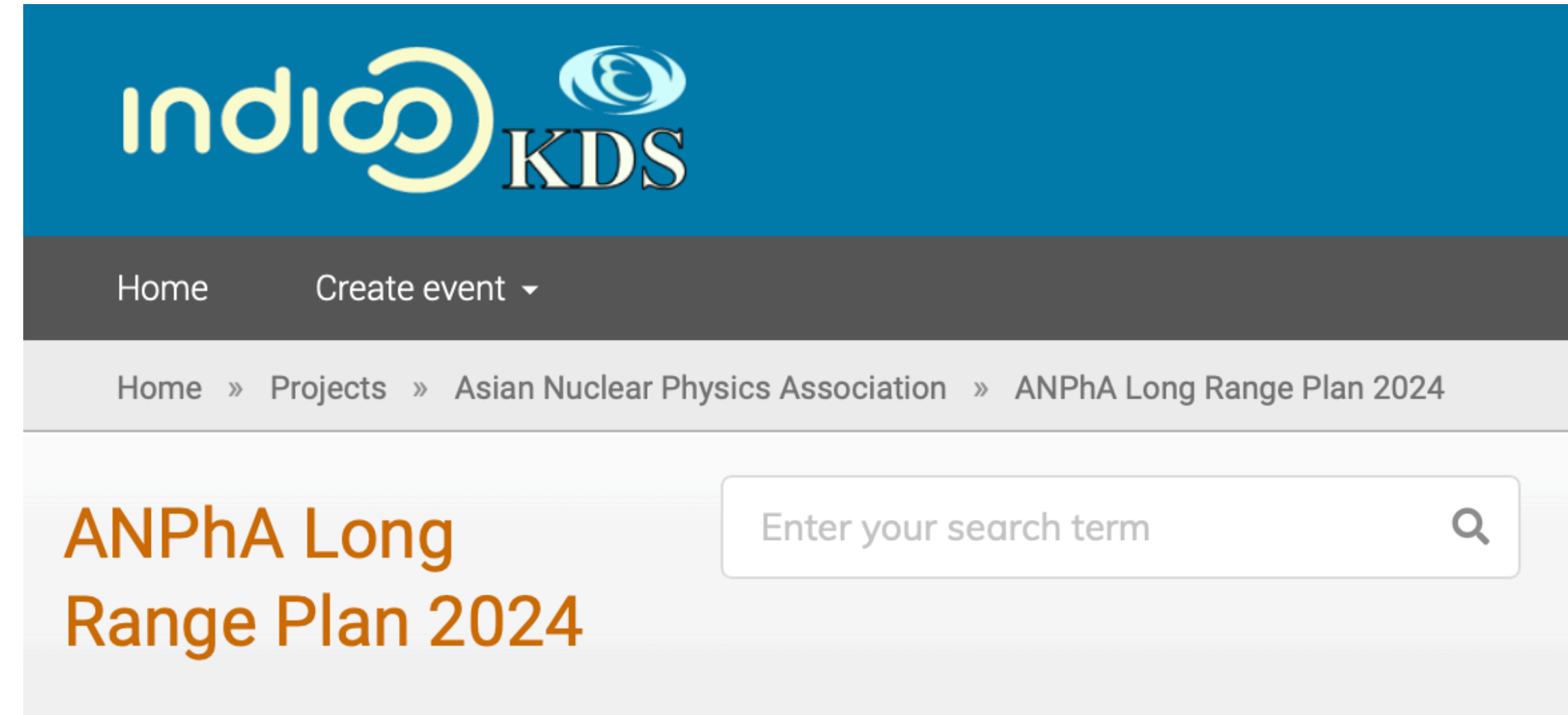


## Stage 1

Summary of Large-Scale Facilities in Asia  
(led by K. Tanaka)







<https://kds.kek.jp/category/2795/>

**“Update of the WG9 Report 41”**



The screenshot shows the top part of a website. At the top is a blue header with the 'indico@KDS' logo. Below the header is a dark grey navigation bar with 'Home' and 'Create event' (with a dropdown arrow). Underneath is a light grey breadcrumb trail: 'Home » Projects » Asian Nuclear Physics Association » ANPhA Long Range Plan 2024'. The main content area has a white background with the title 'ANPhA Long Range Plan 2024' in orange. To the right of the title is a search bar with the placeholder text 'Enter your search term' and a magnifying glass icon.

October 2024

-  05 Oct [UG-Lab.](#)
-  05 Oct [Japan](#)
-  05 Oct [Korea](#)
-  05 Oct [India](#)
-  05 Oct [China](#)
-  05 Oct [Australia](#)

Stage 2  
(comprehensive) Long Range Plan

## Goals of the Long Range Plan

**Promoting Collaboration in Nuclear Physics in Asia**

**Specifying Asian Initiatives in Fundamental and Applied Nuclear Sciences**

**Materialize**

**Significance of Nuclear Physics/Accelerator Science**

**Uniqueness and competitiveness of nuclear physics in each country  
for negotiations with governments/funding agencies in each country**

Executive Summary

Forefront of nuclear science

**Nuclear Science in Asia**

**Asian initiative in nuclear physics**

**ANPhA's Role**

**Asia-specific regional collaboration approaches**

Nuclear structure and reaction

Nuclear Astrophysics

Hypernuclei

Hadron structure

Matter at Extreme Temperature and Density

Fundamental symmetry

Applications and social benefits

NP technologies, ML/AI/QC, Data utilization

Facilities (based on the Tanaka report)

Large-scale facilities

Small-medium scale facilities

Computing infrastructure

Facts and Figures

Number of Nuclear Physics Researchers/Number of Universities and Research Institutes, etc.

To be completed by the end of 2028



# Asian Nuclear Physics Conference

**The flagship conference of nuclear physics research in Asia.**

## **Ongoing activities:**

**Bilateral meetings: Korea-Japan, China-Japan etc.**

**Regional conference for specific topics: Asia-Pacific Few-body Conf.**

**Nuclear Physics division session in AAPPS meeting (~50 participants?)**

**Annual ANPhA symposium (~50 participants)**

**The new Asian Nuclear Physics Conference will cover all the nuclear physics fields, invite participants from all the Asia(-Pacific) countries, and be the unique occasion where NP collaborations/directions in Asia are discussed.**

**Proposed schedule: November–December 2027**

**(to avoid conflicts with INPC & AAPPS in 2028)**

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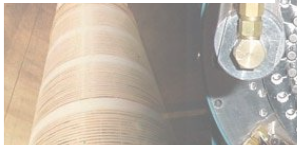


**Asian facilities cover a broad range of nuclear physics activities and are producing high-level outcomes.**

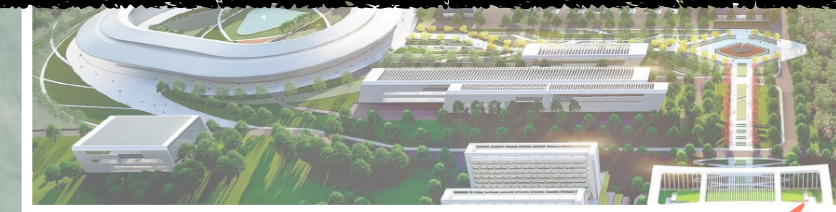
**ANPhA is playing the role of making the best coherence among the activities through Asian Long Range Plan Asian Nuclear Physics Conference**



IUAC



BARC-T



+ many small-scale facilities

**HIA (Australia)**

