

14th Rencontres Du Vietnam

International Symposium on Neutrino Frontiers



July 16th - 19th, 2018

ICISE, Quy Nhon, Vietnam

Welcome

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<http://ifirse.icise.vn/nugroup/conf/nuf Frontier2018/>

The Vietnam Neutrino Group was born in a year ago [MOU Ceremony in July 17, 2017]!



Neutrino Group @ ICISE

<http://ifirse.icise.vn/nugroup/>

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Home

Welcome to the Neutrino Group at ICISE!

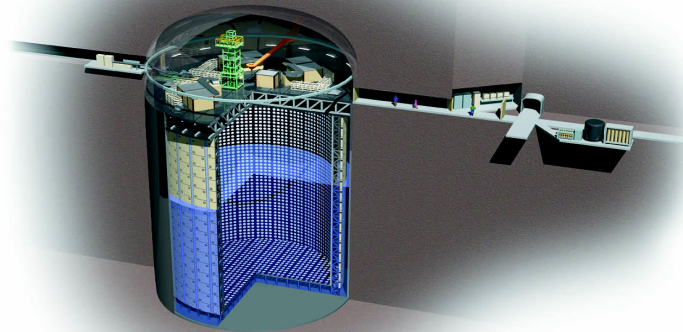
The International Center for Interdisciplinary Science and Education (ICISE), placed in the coastal city named Quy Nhon, Vietnam, aims to bringing together scientists around the world to host conferences in various disciplines, mainly physics field. We find that this Center is also a unique place to grow an experimental high energy physics (HEP) group in Vietnam. A small group working in collaborating with [T2K experiment](#) in Japan would play a key role as a starter. On July 17th 2017, the Neutrino Group at Institute For Interdisciplinary Research in Science and Education (IFIRSE) was [officially formed with the MoU](#) professors and the Rencontres Du Vietnam. On Oct. 13th 2017, we official join T2K experiment. [Here](#) neutrino physics is our choice. In the short-term of 5 years, this group, which consists of a leader, 4 Vietnamese physicists and Ph.D students might focus on data- Monte Carlo (MC) simulation analysis and Micro Pattern Gaseous Counter (MPGC) with its applications to neutrino experiments. For a longer term, the group would build the R&D laboratory as well as real detectors placed at ICISE. A preliminary roadmap can be found [here for Vietnamese version](#).



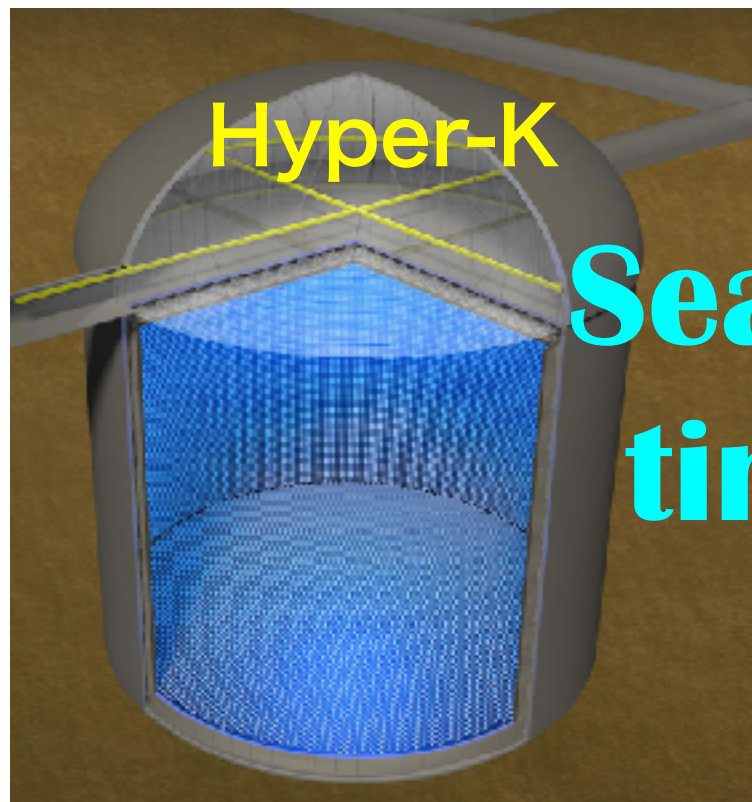
Neutrino oscillation experiments in Japan

Intense Neutrino Beam for $(\bar{\nu})_{\mu} \rightarrow (\bar{\nu})_e$ study

Super-K

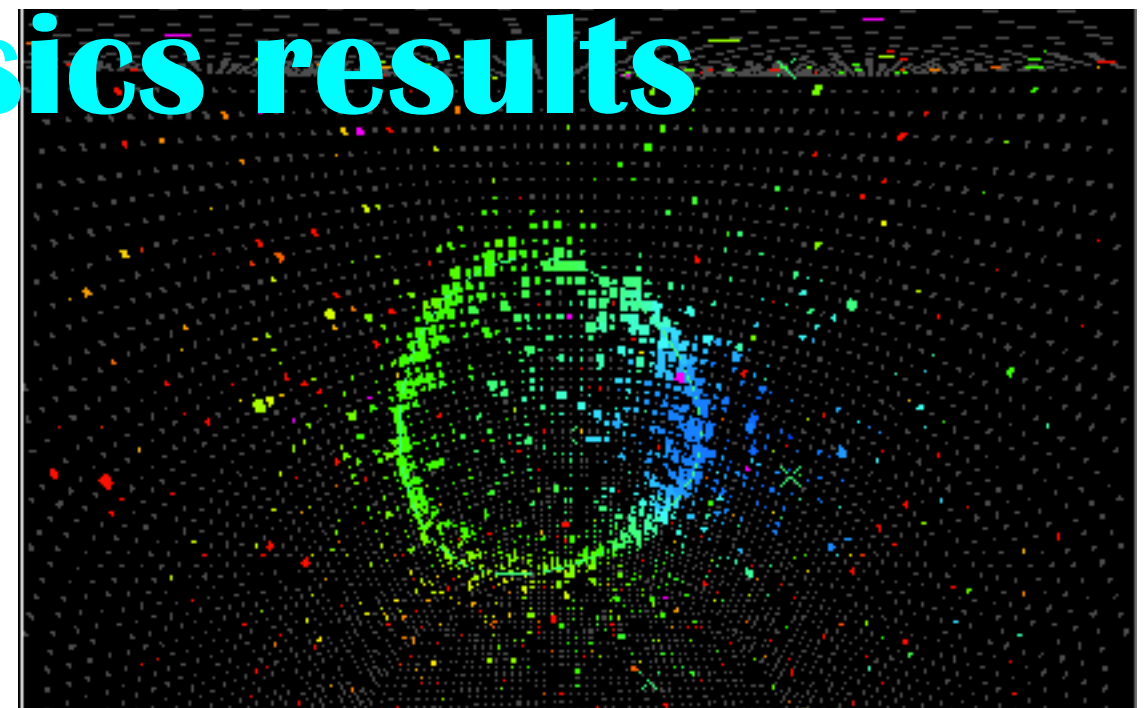


- 500 kW (today)
- ~1MW (2022)
- 1.3 MW (2025)



Seamless program with timely physics results

- 22.5 kton (Super-K, ~2026)
- 190 kton (Hyper-K, 2026~)



Hot topics about neutrinos

The screenshot shows the Fermilab website's news section. At the top left is the Fermilab logo. A navigation bar contains links for Home, About, Science, Jobs, Contact, and Phone Book. Below this is another bar with Newsroom, LBNF/DUNE, Come visit us, and Resources for. A large blue button labeled 'News' is prominent. On the left, a 'Newsroom' sidebar lists 'News and features', 'Press releases', and 'Fermilab in the news'. The main content area features a headline: 'NOvA experiment sees strong evidence for antineutrino oscillation' dated June 4, 2018. Below the headline is a 3D visualization of the NOvA experiment's neutrino beamline, showing a red rectangular detector and a white rectangular detector with 'NOvA' written on it, with a yellow starburst representing the neutrino source.

and more!

The image shows the cover of Science magazine from July 13, 2018. The cover features a blue background with several spherical detectors hanging from black lines. The title 'Science' is at the top in white. A yellow box highlights the date 'July 13 2018' and the AAAS logo. Another yellow box highlights the main article title 'NEUTRINOS FROM A BLAZAR' and the subtitle 'Multimessenger observations of an astrophysical neutrino source pp. 115, 146, & 147'. Other article teasers at the top include 'Chasing the ammonia economy p. 120', 'Time invested matters for mice, rats, and humans pp. 124 & 179', and 'Two spindles are better than one pp. 120 & 189'.

The screenshot shows the navigation bar of the T2K website. It has a dark red background with the T2K logo on the left and a series of white buttons for Home, News, About T2K, About Neutrinos, Photos, and Videos.

T2K presents hint of CP violation by neutrinos

8月 4, 2017

A graphic with a blue background and a yellow border. It features the title 'NEUTRINOS FROM A BLAZAR' in large white letters, followed by the subtitle 'Multimessenger observations of an astrophysical neutrino source pp. 115, 146, & 147' in smaller white text. The background of the graphic shows the same spherical detectors as seen in the Science magazine cover.

Super-K today

Neutrinos are interesting!

Research is international.

Your contributions are essential.

Let's begin the exciting symposium
on neutrino frontiers!