Particle Physics in ICISE

Quy Nhon Vietnam

ICISE – RENCONTRES DU VIETNAM
History:

1966: With some friends (Fernand Renard and Bernard Grossetete) we have created the **Rencontres de Moriond**.

20 friends in a chalet with all cooking and cleaning by the participants.

Help to the support of the world scientific community, Moriond still exist today and become one of the few loved conferences in HEP.

I would like to take this opportunity to thank Jacques Dumarchez and Etienne Augé who have accepted the heavy charge to continue the management of Moriond since 2009 and the program committee members of the QCD session under the leadership of Bolek Pietrzyk, Boaz Klima and Nazila Mahmoudi. I left the management of Moriond already 10 years and everything work very very well and even better than before.

In Moriond, we have, as always, many young participants and a good mix between experimentalists and theorists: the 2 main founding pillars of Moriond.
What make Moriond different from a conference

- Since its creation, Moriond rests on 2 principles
  - Mix of Experimentalists and theoreticians
  - Promote young scientists
- No difference between young and senior scientists
  - We avoid to have « invited speakers » as everyone, young and seniors are invited in Moriond, all talks are considered as equally important
  - Moriond is probably the only place which has this « Moriond discussion » since 54 years where everyone can express its views on the conference organization and help the organizers improve both scientific and practical organization.
After Moriond

- 1989: Creation of the Rencontres de Blois
- 1993: First Rencontres du Vietnam:
- 2013: Inauguration of ICISE (International Centre for Interdisciplinary Science and Education) in Quy Nhon, Vietnam.
- 2016: Creation of IFIRSE (Institute For Interdisciplinary Research in Science and Education) with
  - a theoretical physics group with 2 permanent members and
  - an experimental group on neutrino physics which is now an official member of T2K collaboration

- In the following, I will focus on the ICISE conference center and on the development of research at ICISE
RENCONTRES DU VIETNAM

- Regarded as an unique adventure in the scientific world, the association “Rencontres du Vietnam” official partner of UNESCO has developed a close network of international cooperation for scientific research for over 25 years.

- The ICISE Center, inaugurated in August 2013, benefit from the experience gained in organizing the Rencontres de Moriond since 1966 and the Rencontres de Blois since 1989. It aims to promote interaction, collaboration and friendship among scientists from the Eastern and Western worlds.

ICISE Center: view from the sea
Rencontres du Vietnam

- The association Rencontres du Vietnam was created in 1993 to meet the great needs in Vietnam for scientific knowledge and international scientific exchanges. The Rencontres du Vietnam contributes to the development of research and education, the bases of the economic and social development of the country.

- In 25 years of activity, the Rencontres du Vietnam has realized various projects, supported and aided by the international scientific community, universities and European research centres, by companies and private donators, as well as by the French and Vietnamese governments and UNESCO.

- These projects lead finally to the creation of the International Centre for Interdisciplinary Science and Education (ICISE) in Quy Nhon, province of Binh Dinh. Its goal is to perpetuate science education for the widest possible audience.
The Center is established in Quy NhON, an university town, located on the east coast of Vietnam, one hour north from Ho Chi Minh City (Saigon) by air, or one and a half hour from Hanoi.

The ICISE Center is about 4-5km from the Center of the town: 10 min by taxi.

By walking along the coast: 45 min.
Video: Presentation of ICISE
Activities in 2019

- **In 2019**, the ICISE center will host
  - 14 conferences and workshops (from 50 to 150 guests) and
  - 8 thematic schools (from 15 to 50 students)
- Four conferences in HEP (contact : Jacques Dumarchez)
  - **Three neutrinos and Beyond** (Alain Blondel)
  - **New Physics with Exotic & Long-Lived Particles** (PQ Hung)
  - **Behind and Beyond the Standard** Model (Christophe Grojean et Emilan Dudas)
  - **Perspectives in Hadron Physics** (Jean-Marc Richard)
- **A conference on Cosmology** (Jacques Dumarchez)
- **In 2020**, Bolek Pietrzyk and Nazila Mahmoudi will organize the Flours conference.
- You all are warmly invited.
Theory group

A theory group has started to work on October 1, 2016 in connection with the University of Quy nhon. It has 2 permanent members funded by the ICISE center.

1. **Le Duc Ninh**: PhD in 2008
   Interests: Physics at colliders, Electroweak and QCD corrections

2. **Dao Thi Nhung**: PhD in 2011
   Interests: Higher order corrections, Beyond Standard Model Physics, CP violation

3. Collaborations:
   - Julien Baglo from University of Tübingen, Germany
   - Margarete Muhlleitner, Karlsruhe Institute of Technology

INVITATION

We wish to invite theorists to visit ICISE center for two weeks, one or 2 month periods for small group short term research: 2 to 4 persons. We can cover the local expenses: accommodation in the guest house of the ICISE center.
Experiental neutrino group

✿ Founded on July 17th 2017 in 2018
✿ Official member of T2K
✿ **Leader:** Tsuyoshi Nakaya (Kyoto Univ, T2K, Hyper-K steering com. chair)
✿ Vietnamese Members:
   ✿ Associate Prof. Nguyen Hong Van
   ✿ Dr. Cao V. Son (KEK)
   ✿ Tran V. Ngoc (Ph.D)
   ✿ 2 students
✿ Japanese assistant group:
   ✿ Prof. Yuichi Oyama (IPNS, KEK)
   ✿ Prof. Makoto Miura (ICRR, Tokyo Univ.)
   ✿ Prof. Atsumu Suzuki (Kobe Univ.)
✿ Advisory members
   ✿ Alain Blondel
   ✿ Jacques Dumarchez
   ✿ Boris Kayser
New addition : ExploraScience

Located across from the ICISE conference center, ExploraScience hosts a planetarium and 8 science explatorium rooms.

The aim: to bring science to a larger public, to develop a love of science among the younger generation, and to contribute to consolidate the bases for the future development of the sciences in Vietnam.

Open to school groups since 2018.
New addition : Pro Science Hotel

Located across from the ICISE conference center and the ExploraScience, Pro Science Hotel will welcome scientists attending conferences and thematic school in ICISE. With 130 rooms, a 600 seat conference room, several seminar rooms, restaurant, swimming pool,... Construction started 6 months ago and scheduled to open the hotel in early 2020.
In summary:
In addition to the conferences and summer schools, we are starting to build research groups in Particle physics in ICISE Quy Nhon.
Your help to develop the ICISE center is much appreciated.

Before ending the session, I invite Jacques Dumarchez to present the HEP conferences next summer in ICISE and Bolek Pietrzyk the Flavors conference next year and Greg Landsberg to talk about his experience in ICISE Quy Nhon.
Thank you