



**12-25 JUNE 2024**  
Nakhon Pathom, Thailand

# Welcome!

Martijn Mulders (CERN)

Chair of the International Organizing Committee

Phat Srimanobhas (Chulalongkorn University, Thailand)

Co-chair of the Local Organizing Committee



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# Organizers

(those present at the School this morning)

- For the International Organizing Committee:
  - Martijn Mulders - CERN, Chair of IOC
  - Markus Elsing - CERN, IOC
  - Kate Ross - CERN, Physics Schools Administrator
- For the Local Organizers
  - Phat Srimanobhas - Chulalongkorn University, Co-chair of LOC
  - Chinorat Kobdaj, Narumon Suwonjandee, Pawin Ittisamai, Vichayanun Wachirapusitan, - Chulalongkorn University, LOC
  - Team of students from Thailand



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# Asia-Europe-Pacific Schools of HEP

- Series of schools for advanced students in High-Energy Physics, since 2012
  - in Japan, India, China, Vietnam, Korea ... and now in Thailand
- Mission:
  - Latest developments in High-Energy Physics (theory, phenomenology, data analysis, instrumentation) taught by world class scientists
  - Aim to foster cultural exchange and networking between participants from different countries and regions
- We hope you can use this opportunity to learn as much as possible in these two weeks and to meet new people



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# The School Programme

- Lectures, lectures, lectures...!
- Discussion sessions
- Poster session
- A student project
  
- Excursions
  - 1st Saturday afternoon
  - next Tuesday all day (--> Bangkok)
  - 2nd Saturday optional excursion (or free afternoon)



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# Programme for today

(see indico web pages for the full programme)

09h00 Welcome

09h10 Field Theory & Standard Model, **Anna Kulesza**

10h40 Coffee break

11h00 Neutrino Physics, **Stephane Lavignac**

12h30 Lunch

*+ Free time*

15h30 Instrumentation, **Maxim Titov**

17h00 Coffee break

17h30 Discussion sessions – until 19h00

19h00 Welcome drink ([only tonight](#)) and Dinner





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# Lectures

- Lectures last 1h15, plus time for questions
  - Please don't be shy to ask questions, even if they seem basic to you!
    - During the lectures and also at the end
  - Handouts available before each lecture with printout of the presentation, or download them on your tablet before the lecture
    - Make notes on your handouts or your tablet device
    - Take them to the discussion sessions
    - Let us know if you don't want or want a printed copy



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# Discussion Groups

- Six discussion groups A, B, C, D, E, F
  - Each student is assigned to a group
    - Lists will be posted during the day
    - Discussion Leader stays with the same group for the full two weeks
  - Lecturers are invited to visit the groups
    - Help answer detailed questions on their courses
  - Discussion sessions should be driven by questions from the students
    - Please make note of points that you did not understand in the lectures or other questions that you might have
    - Make use of the lecture handouts in preparing your questions



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# Discussion Leaders

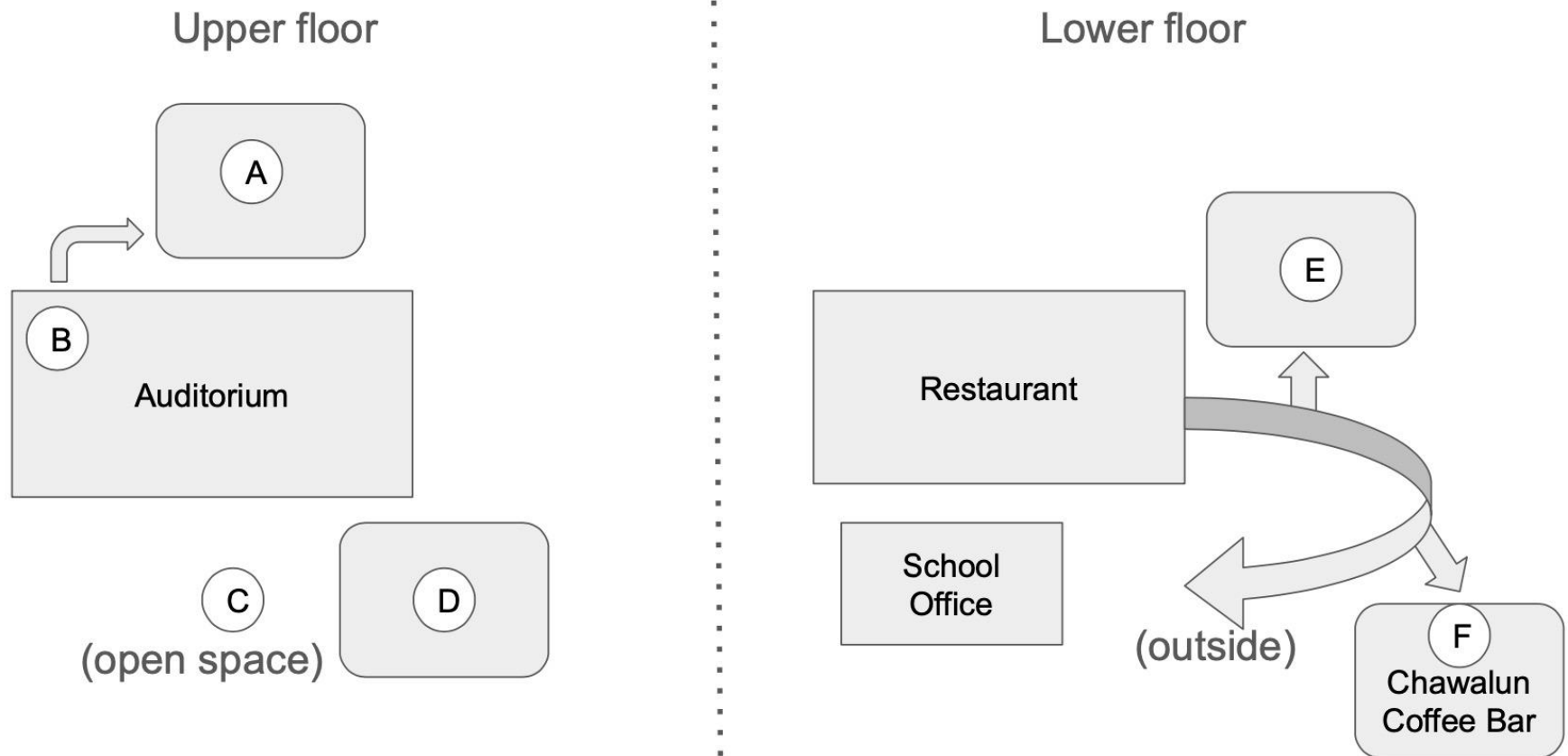
- Discussion Groups
  - Group A: Kento Asai
  - Group B: Jamil Aslam
  - Group C: Tomasz Dutka
  - Group D: Shrihari Gopalakrishna
  - Group E: Pooja Mukherjee
  - Group F: Ryotaro Watanabe
- Markus and I would like to meet the [discussion leaders](#) after lunch today to explain a few points
  - Meet here in the auditorium at 14h00





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# Locations of the Discussion Rooms





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## Please !

- Lectures and discussion sessions
  - Attendance is compulsory
  - Arrive on time
  - Don't use your devices for non-school work
  - Keep your focus on the lectures



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# Meals and drinks

- All meals are served in buffet style:
  - Breakfast 7:00-9:00 ; Lunch 12:30-13:30 ; Dinner 19:00-20:00
  - Special dietary requirements: food at the buffet will have labels indicating type of meat / vegan
- Drinks included with lunch and dinner
  - Water is included (and Coffee / tea at breakfast)
  - Other drinks are not for free ; bar in restaurant open until 22:00
- Bar next to big swimming pool is open
  - during lunch break (13:00-15:00) and after dinner (until 23:00)
  - Pay with cash or credit card / phone



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## Free time activities

- There are 2 swimming pools, open from 8:00 to 22:00
- DO NOT SWIM in the lake!
- You can use the boats (ask at / around the swimming pool)
- Please be considerate about noise!
  - We are happy for you to have fun evenings, but please do so well away from the sleeping areas



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## Other practical matters:

- Drinking water
  - The tap water is NOT SAFE to drink !!
  - One bottle of water per person in each bedroom per day
  - Refill at water fountain in reception area of the hotel
- Do NOT throw toilet paper in your toilet bowl
  - use the bin next to it instead
- There will be a laundry service on 3 days:
  - pick-up (return) 14 (17), 17 (21), 21 (24) June
  - price list will be in your room



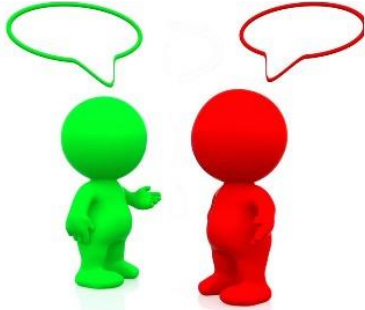




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# Office and announcements

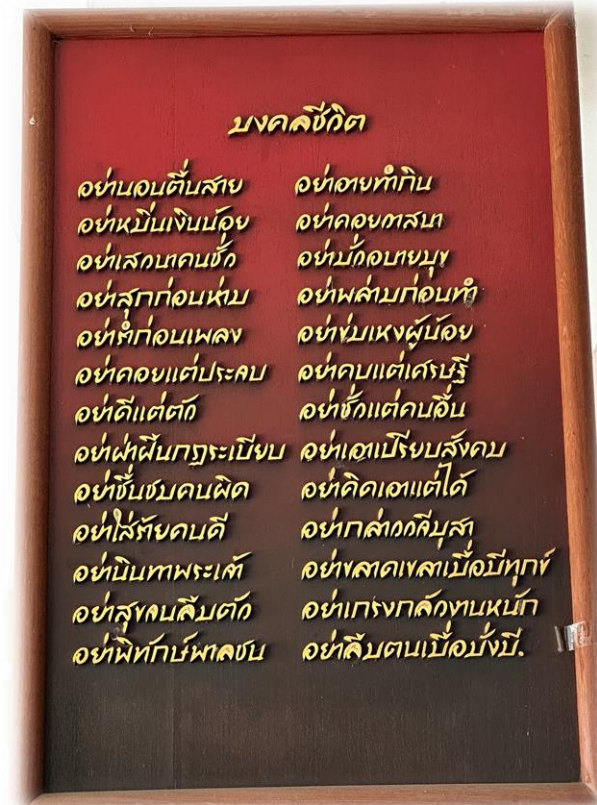
- School's Office
  - **Kate Ross** will be pleased to help in case of questions, problems or requests
  - Our office is located downstairs, across from the Chawalun coffee bar
  - There is a sign and the school poster is on the door of the office
- Announcements
  - From time to time we will make announcements at the end of the lectures



# Be Nice

- Be welcoming and respectful to each other and to other guests in the hotel !  
(e.g. [CERN code of conduct](#))
- We hope there won't be any issues but in case you witness or experience inappropriate behaviour or harassment:
  - **Kate** is available as point of contact

## Thai Poem (restaurant)





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**Enjoy the School!**