

# Q&A session with André David Mendes

## What, how and why

- 2 hour session on Wednesday from 10 to 12.
- 5 topics, 4-to-5 questions/topic, 5 minutes/question. (I can imagine that some topics may have more questions than others)
- One topic per group of 6-to-7 students.
- Groups should decide beforehand who will ask the questions.
- Groups would ideally mix participants from all levels, not so that the more experienced are "taking care of" the less experienced, but so that the discussions are themselves an opportunity to exchange views between different levels of experience.
- I have found this to have two advantages beyond the group dynamics and presentation skills:
  - students do some research (so they are engaged), and
  - the discussion is shaped by their curiosity (so they stay engaged).

## Topics

1. **Human-made accelerators:** how collisions are made, what kinds of collisions are made, or how they allow to peer into the infinitely small.
2. **Detectors and associated technologies:** how to render visible the invisible and transform raw data into information.
3. **Measurements and searches:** how to go from detector information to knowledge about our universe and disprove theories on the way.
4. **Value for society:** how knowledge is transferred, the importance of training programmes, or connections between medical imaging and particle detectors.
5. **Life at CERN:** how bringing together people from all over the world makes a difference, keeping things running 24/7, decision-making and consensus-making in large collaborations, or other aspects of a large, open, organisation.

These descriptions of the topics are illustrative, not limitative; they are just some aspects meant to trigger the discussion in the groups.

## Groups

| Topic 1   | Topic 2 | Topic 3  | Topic 4  | Topic 5     |
|-----------|---------|----------|----------|-------------|
| Morten    | Hektor  | Mahan    | Stefanie | Carl Petter |
| Eir       | Marius  | Anton    | Kjartan  | Abrar       |
| Enrique   | Thomas  | Synne    | Simon    | Michaela    |
| Lars Erik | Mannaj  | Sander N | Suhayka  | Hauk        |
| Sander S  | Tejbir  | Even     | Raji     | Lars        |
| Tarje     | Jan     | Ruben    | Igor     | Erik        |