

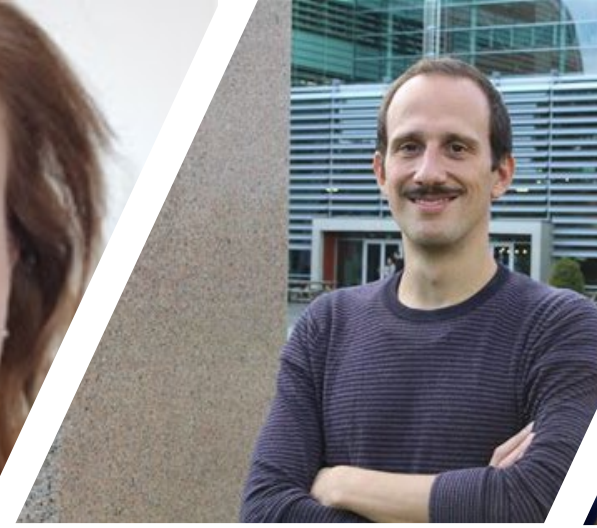
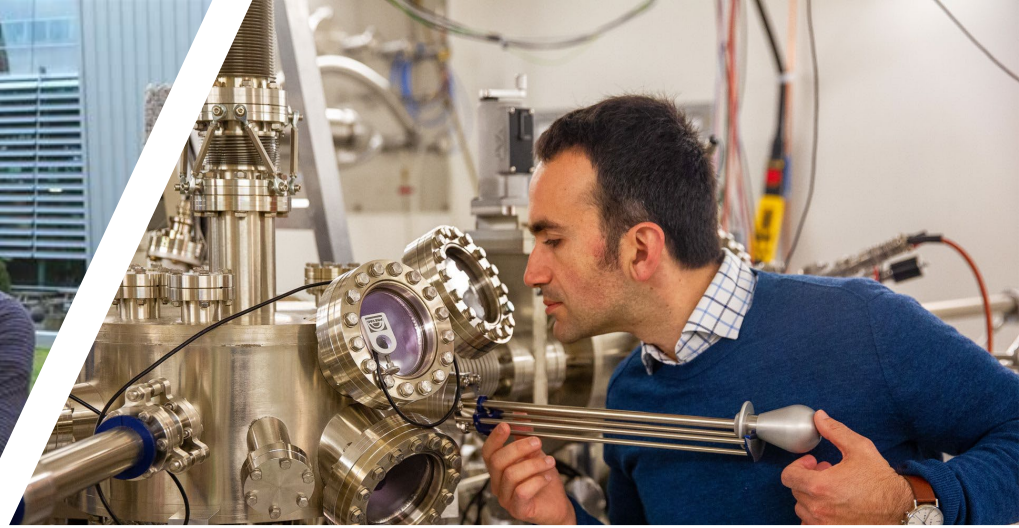

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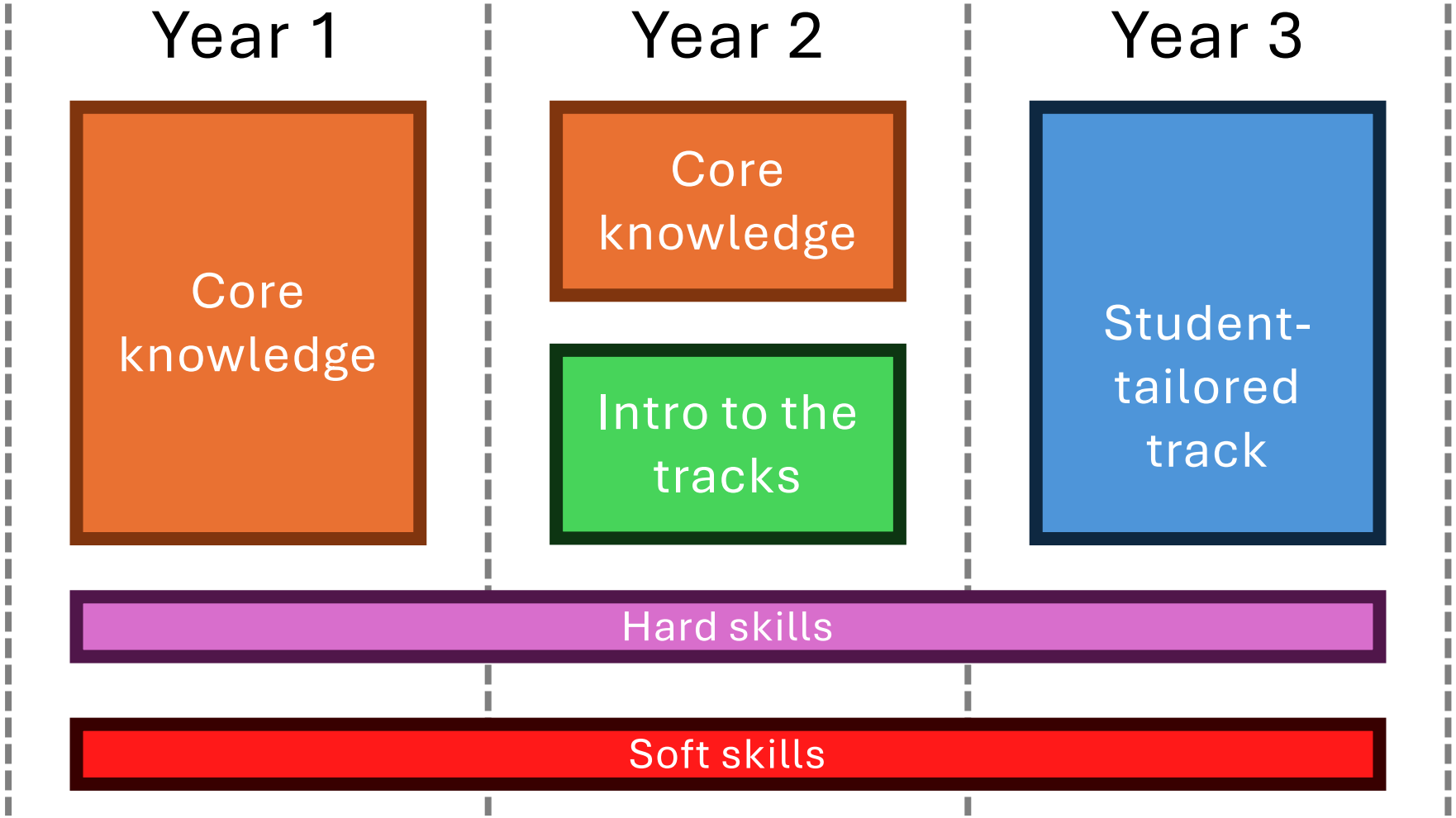
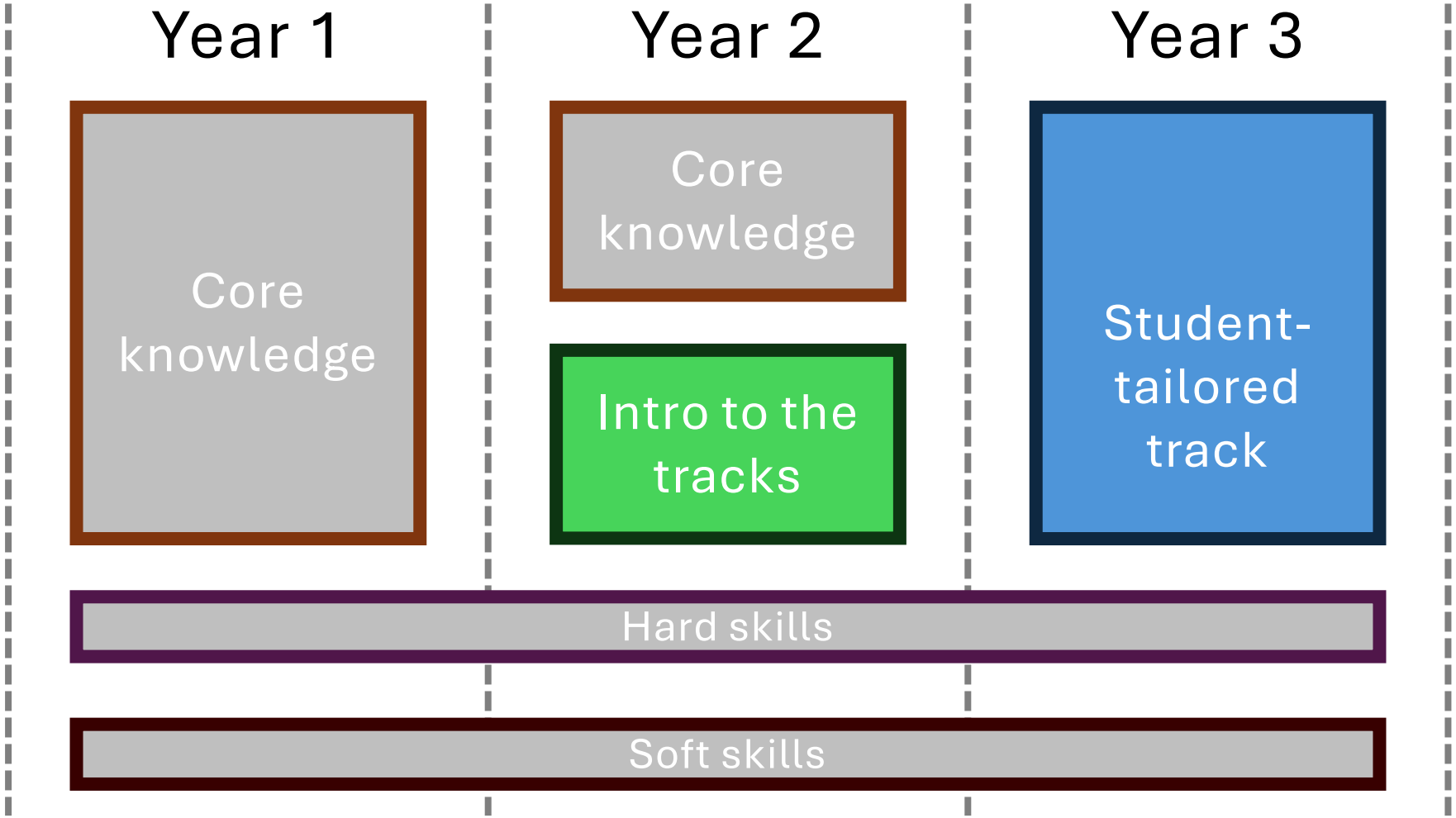
Workgroup focus/flex tracks

General outline of the bachelor



General outline of the bachelor



Goals of the work group and problems to address

- Synchronizing a cluster of teachers on a given track to organize curriculum
- Provide clearer perspectives for students at the start of the bachelor
- Balance the opportunities/electives with guidance (“fixing the shopping aisle”)
- Provide homogenous introduction series to these tracks (“SdM”)

Questions for Focus/Flex tracks

- How many ECs do we want to require for electives?
  - Currently around 48 EC through the program
- Are there enough elective courses for each track, to do this?
- Do we want to require that all students take all intro classes or some portion?
- Do we want a flex track coordinator? (guide students and help the exam committee)
- What tracks do we want? How many can we offer?
- Do we want to offer some “templates” for flex tracks?
- What about “minors?”
- What about electives in the first year, do we want to have a required course (core first year), then electives?

Questions for Focus/Flex track

- How many ECs do we want to require for electives?
  - 24 EC (what about the other 24, or do we reduce?)
- Are there enough elective courses for each track, to do this?
  - Yes, but need to organize more threads
- Do we want to require that all students take all intro classes or some portion?
  - No, but a subset with some being required
- Do we want a flex track coordinator? (guide students and help the exam committee)
  - Yes, does not have to necessarily be a teacher
- What tracks do we want? How many can we offer?
  - High energy, condensed matter, atomic/molecular physics, neurophysics, “astronomy,” didactics (educational)
- Do we want to offer some “templates” for flex tracks?
  - Yes, e.g. measurement science, “gravity,” theoretical physics, physics and chemistry, etc…
- What about “minors?”
  - The electives from many of them would get used, but minors would dissolve and be offered to students who do not study physics/astronomy, that want to have a minor
- What about electives in the first year, do we want to have a required course (core first year), then electives?
  - Remove nearly all electives in year 1, and make sure the core level is at a certain standard (some exceptions, e.g. observational astronomy)

Backup

Goals of the work group and problems to address

- Synergizing research with the curriculum, making the study more “aantrekklijk”
- Synchronizing a cluster of teachers on a given track/organize curriculum
- Provide clearer perspectives for students at the start of the bachelor
- More homogenous core set of skills
- Balance the opportunities/electives with guidance (“fixing the shopping aisle”)
- Prepare students with background knowledge for the stage
- Making the program more visible externally, by branding/highlighting our expertise and excellence in research
- Adding an easier transition into the master
- Provide homogenous introduction series to these tracks (“SdM”)