# WiNSt Education Day 2026

January 22nd,  2026

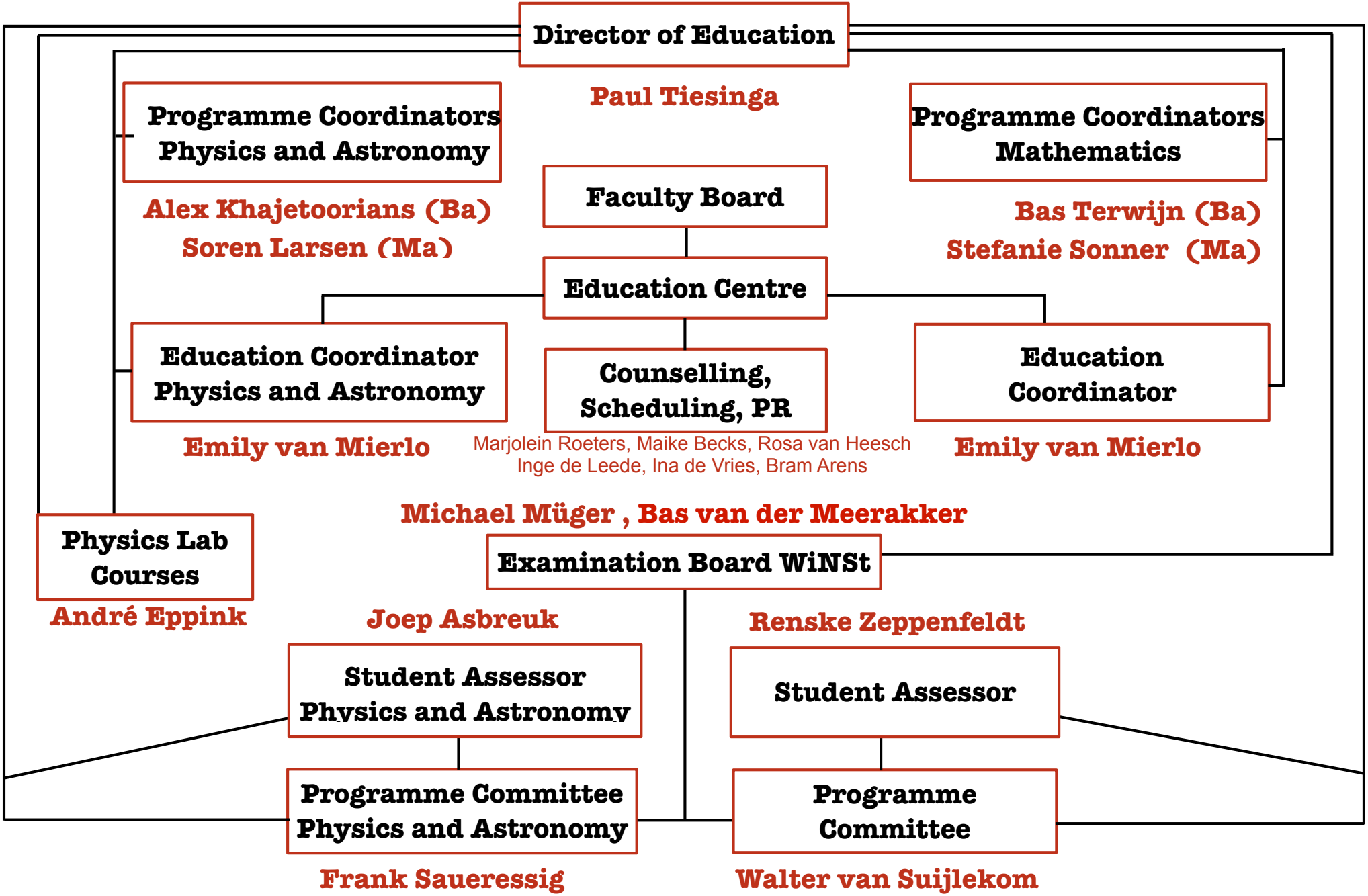
Radboud University

# Programme WiNSt Education Day 2025

| Time | |
|---|---|
| 10h15 - 10h45 | **Welcome - General topics WiNSt** (Paul Tiesinga) |
| 10h45 - 11h30 | **- Constructive alignment** (Sven Vrins) |
| 11h30 - 12h00 | **- How do students use AI?** (Dick Arends) |
| 12h00 - 13h00 | **Lunch (Gigabyte)** |
| 13h00 - 14h00 | **Parallel session 1**<br>**- AI and theses?** (~~Bas Terwijn~~; Steffen Sagave, HG00.308)<br>**- Physics and Astronomy: assessment** (Curr. commitee, HG00.310) |
| 14h00 - 14h30 | **Coffee/Tea break** |
| 14h30 - 15h15 | **Walk in Brakkenstein park** |
| 15h15 - 16h15 | **Parallel session 2**<br>**- AI literacy and how to prevent abuse** (Steffen Sagave; HG00.308)<br>- **Physics and Astronomy: workshop learning outcomes** (Curr. commitee, HG00.068) |
| 16h15 - 16h45 | **Plenary session: Feedback and outcome of discussion sessions (HG00.304)** |
| 16h45 - 18h00 | **Drinks (Gigabyte)** |

# WiNSt topics to be covered

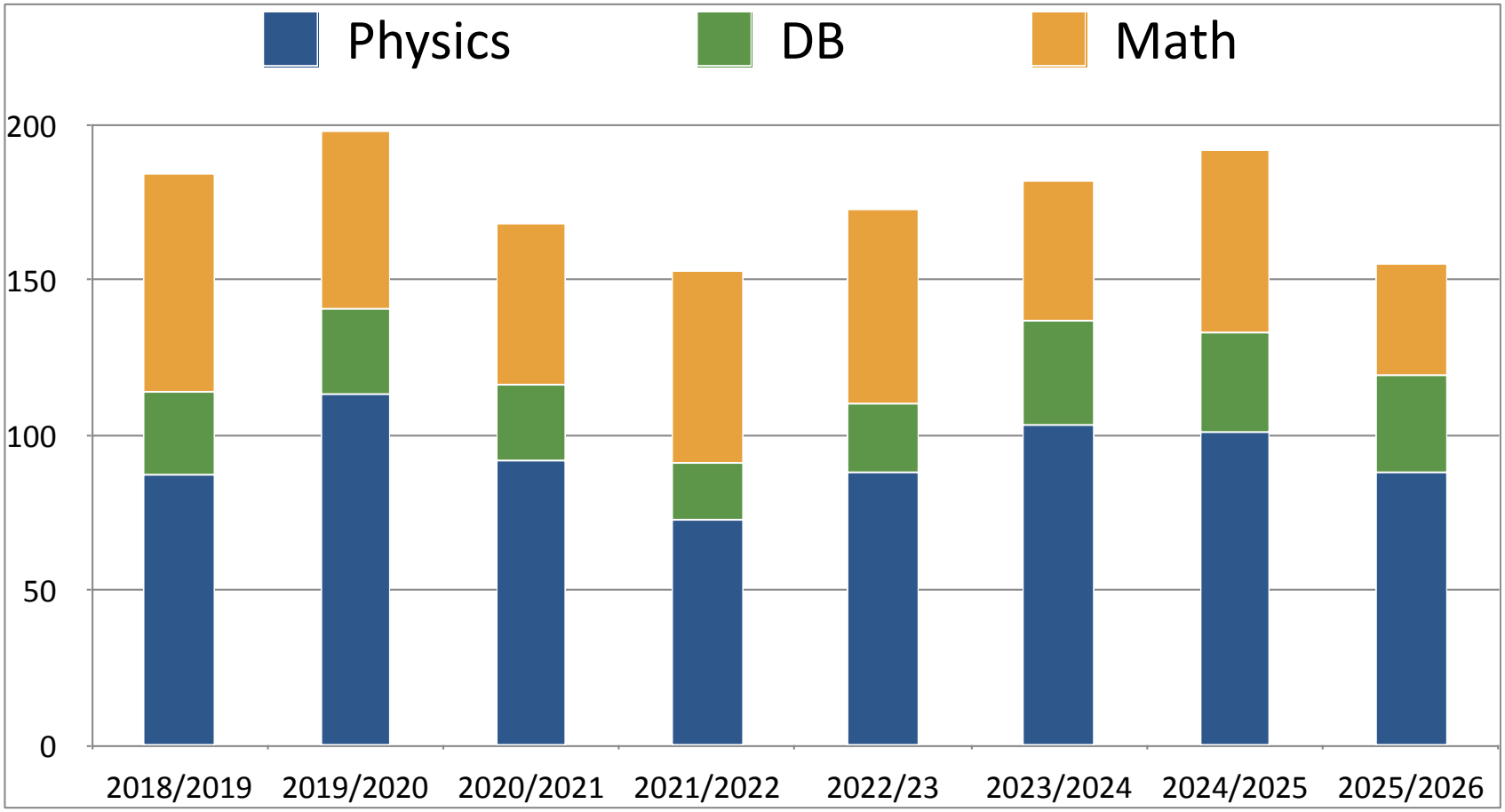
- **Bachelor programmes**
  - ➢ Student intake
  - ➢ Success indicators
- **Master programmes**
  - ➢ Student intake
  - ➢ Success rates
- **Other educational matters**
  - ➢ Brief updates & reminders
  - ➢ New cost model education




# Organizational chart of WiNSt

# Bachelor programme

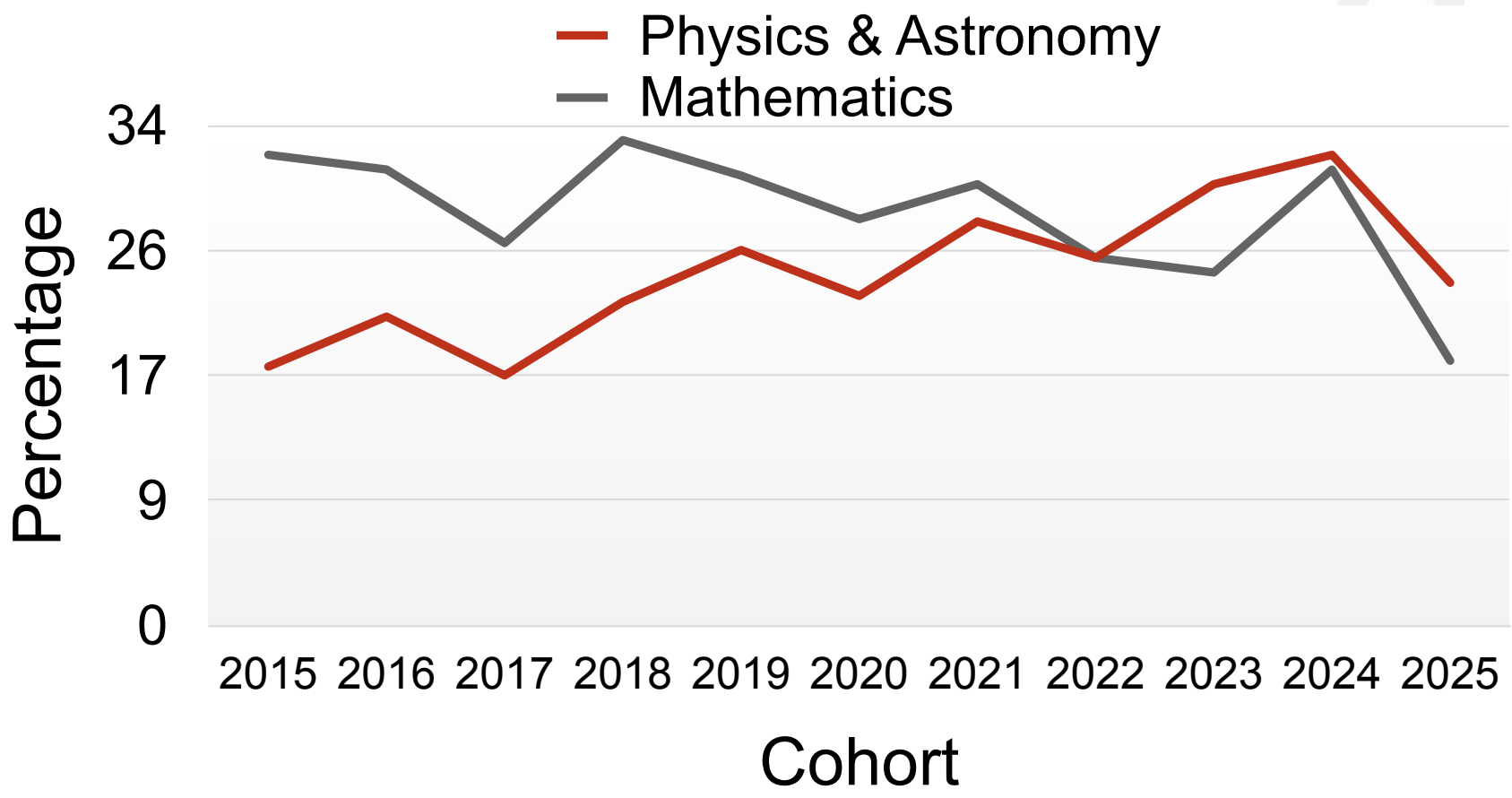
# Student Intake WiNSt over the years (at a glance)



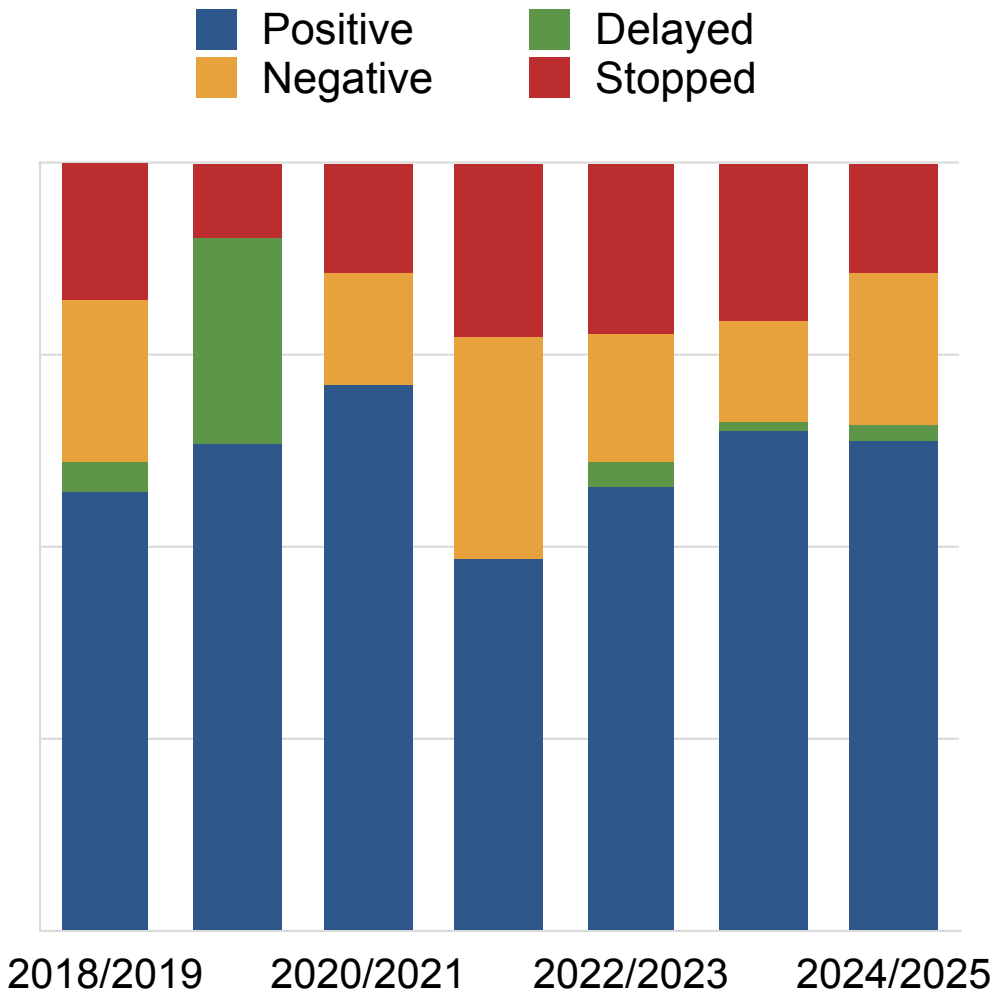
# Overall student intake over the years: October 1st numbers reveal decrease

| | 2022/23 | 2023/2024 | 2024/2025 | 2025/2026 |
|---|---|---|---|---|
| Physics & Astronomy | 110 | 137 | 133 | 119 |
| Mathematics | 85 | 79 | 91 | 62 |
| Total WiNSt | 173 | 182 | 192 | 150 |
| | | | | |
| Double Bachelor | 41 | 40 | 45 | 36 |
| Math/Physics | 22 | 34 | 32 | 31 |
| Math/Computing Sc. | 19 | 6 | 13 | 5 |

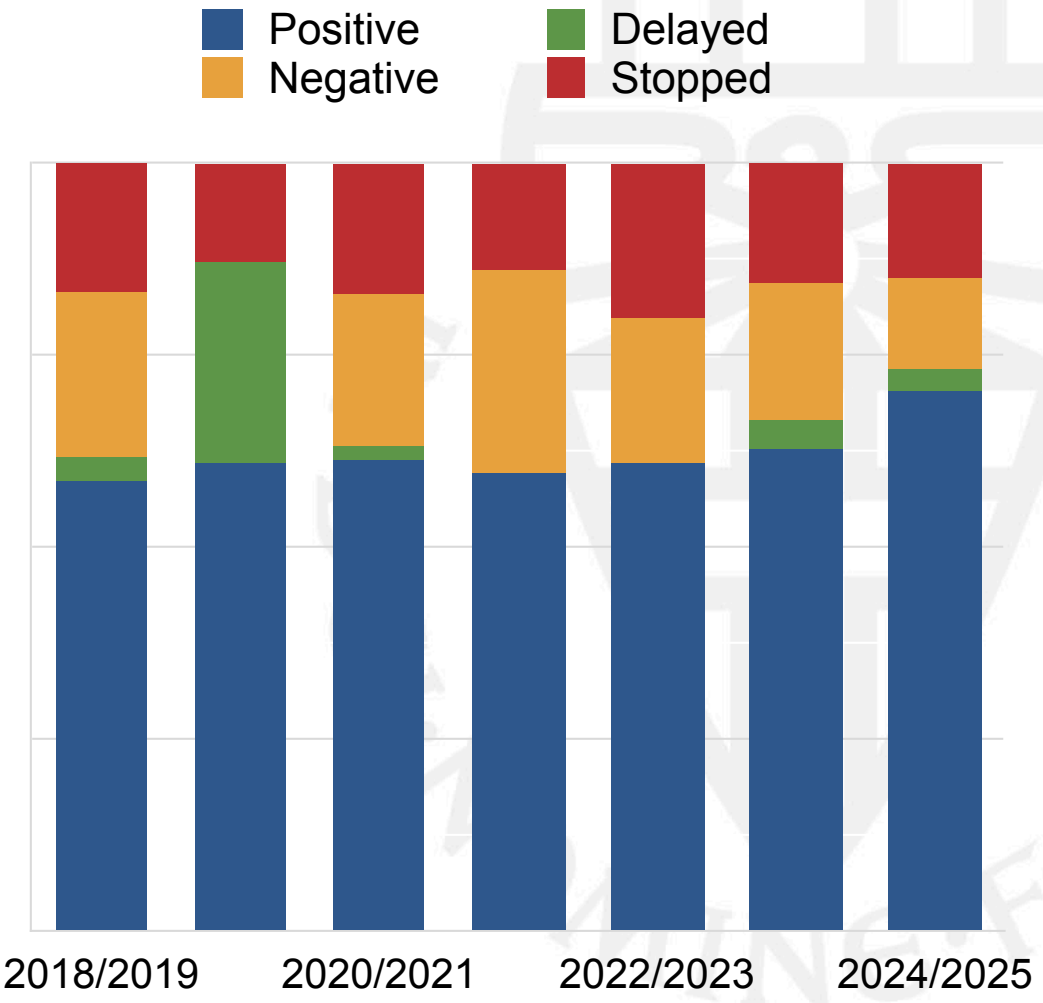
# Oops: Decline in number of women in 1st year enrollment



# BSA Mathematics

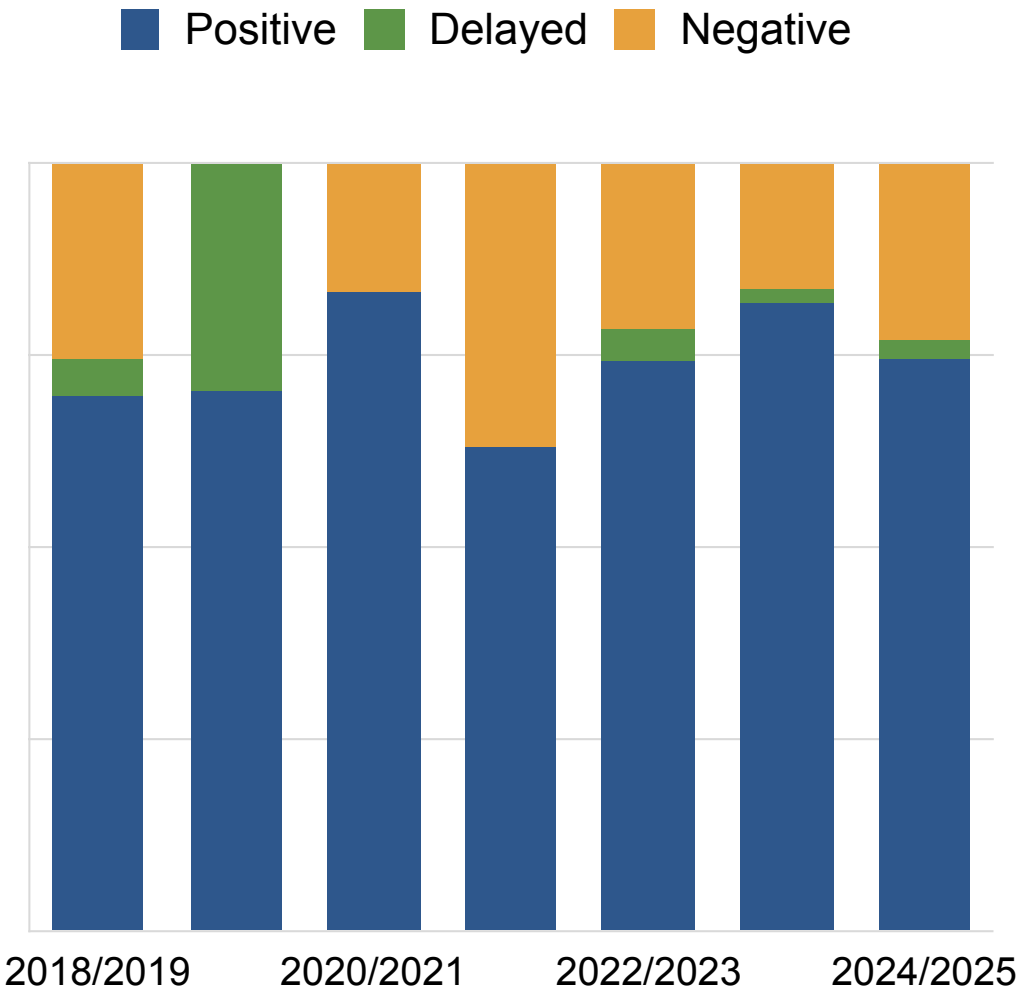



# BSA Physics & Astronomy

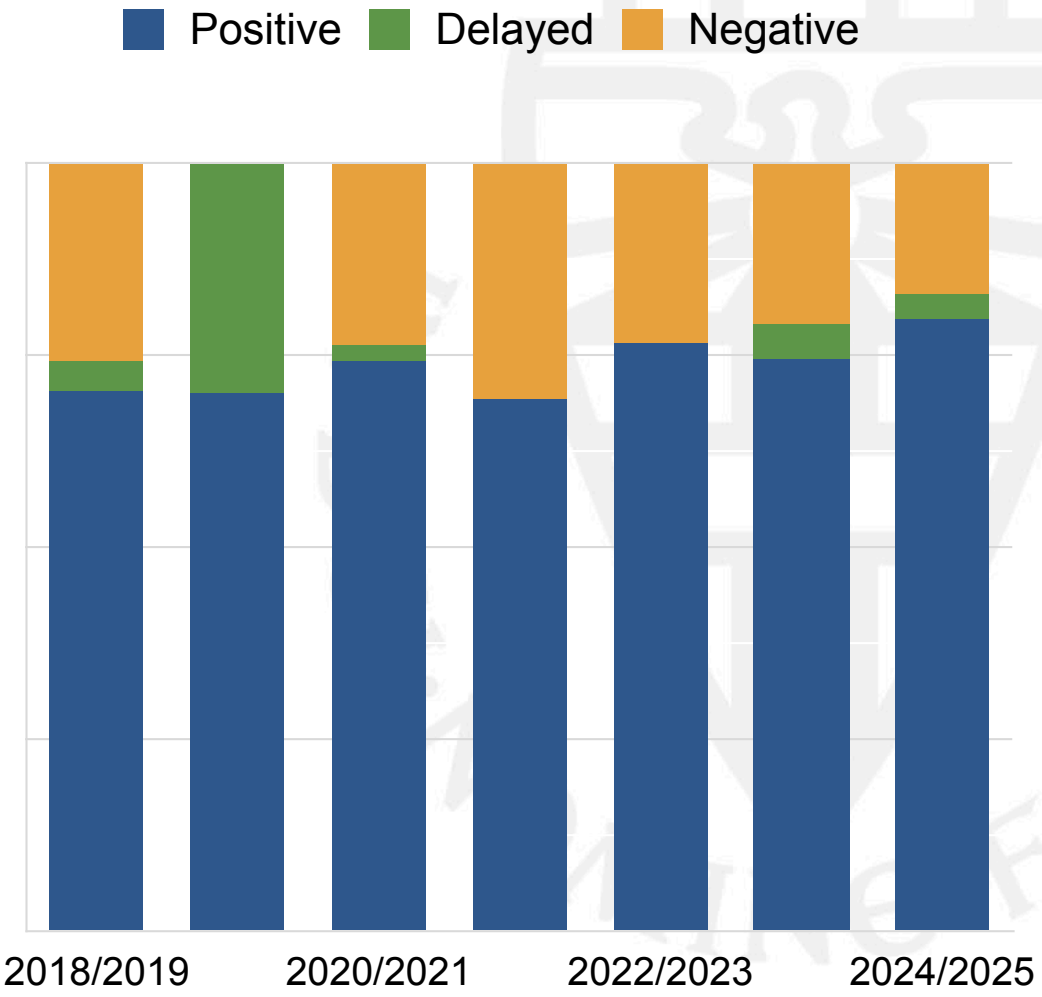


# … now after removing those who stopped early

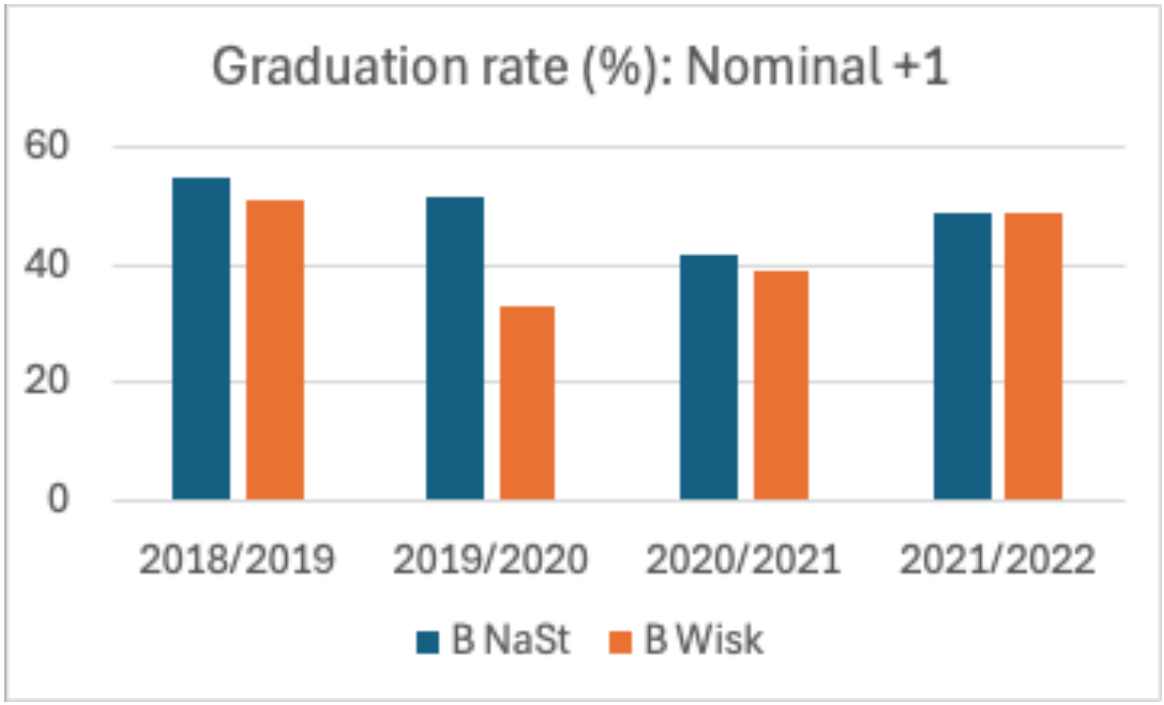
## BSA Mathematics




## BSA Physics & Astronomy



# Study duration stats (aim: 75%)



# Action points

Maintain inflow in the face of demographics

- Advertise renewal of bachelor program P&A
- Each track is reviewing the website
- Suggest enthusiastic faculty members for open days (especially female role models, given the inflow)
- Participate in the school visit program

- Decrease time to graduation (students beyond 4th year are not financed anymore!)

# Master programme

# Master inflow: recovery from dip in 2023

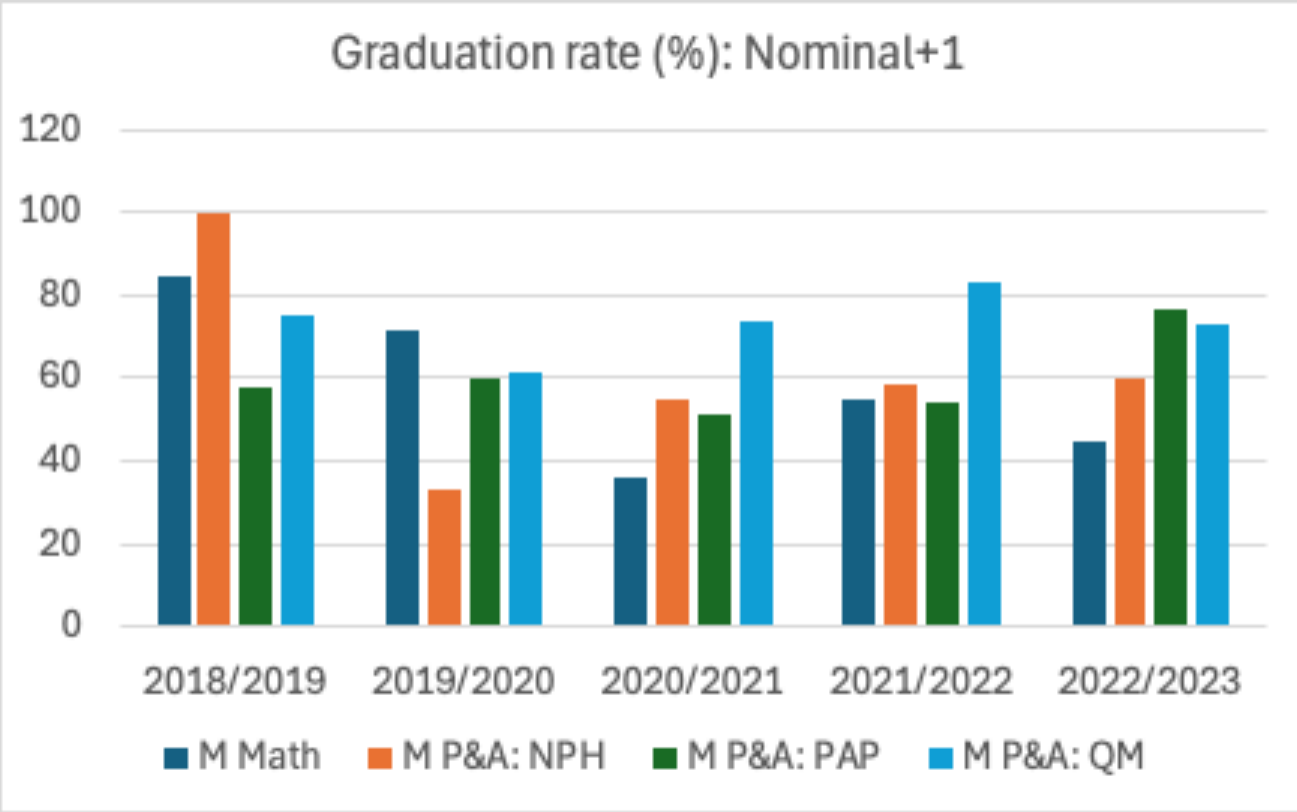
| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|
| PHYS - total | 57 | 61 | 77 | 36 | 57 | 50 |
| PHYS - non-RU | 18 | 23 | 15 | 12 | 28 | 15 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| MATH - total | 25 | 33 | 28 | 15 | 27 | 26 |
| MATH - non-RU | 3 | 4 | 2 | 1 | 4 | 1 |
| | | | | | | |

# Inflow of Neurophysics/Quantum matter is below 20

| | | |
|---|---|---|
| PA (Particle and astrophysics) | 25 | 6+0 |
| PMM (“Quantum Matter”) | 15 | 1+2 |
| NPH (Neurophysics) | 9 | 4+2 |
| SIS | 0 | |
| SMI | 1 | |

| | | |
|---|---|---|
| Math | 26 | 1 |
| SIS | 0 | |
| SMI | 1 | |

# Study duration stats



# Action points

Increase master inflow by 20 students

- Specialization-specific recruitment fliers made & distributed
- Utilize Beethoven visibility
- ….

Reduce graduation time (internship duration?)

# General topics

# Updates & Reminders

- **Bonus points** — policy changed again
  - Math type bonus
  - Max 20% (1 point)
  - bonus is allowed in bachelor and master

- **Data management**
  - instructions for students in brightspace; example text in template
  - tick mark in “Zaak” for student
  - instructors have a role to remind themselves/students

- Faculty adopted **‘toetsplan’** policy
  - Document what we do
  - Consider how we can diversify assessment (study-pressure)
  - Formulate learning goals properly

- **Course files**. Automatic reminder will be set up

# Updates & Reminders

- Formulation of new **P&A bachelor program** more or less complete, roll out of B1 next year.
  - General principles BA
    - Five tracks defined, and run, by the responsible department
    - Each department is visible in the B1/B2 required courses
    - To improve coordination departments take responsibility for a ‘leerlijn’
    - We aim to assign good teachers to the required courses

- **PPD content** has been updated to align with faculty policy: roll out next year
  - We will (need to) recruit mentors

# Congratulations

•Katie Mulrey: Junior Education Prize FoS.

•Daniel Wegner: Senior Education Prize FoS

# Financial situation FoS

- Reorganization of science departments avoided
- New financial model: funding based on education needs
- Student inflow determines how many fte (=EC) a program gets
- Math programs fit well in the model
- (new) Physics & Astronomy bachelor fits well, but master does not.
  - Ongoing: Reduction of unique master courses, more shared courses, to come (somewhat) closer to the model

## Rest of the program today

*Gen AI is changing education*

- Effect on theses
- AI literacy: utility over abuse

*P & A: New curriculum*

- Rethink assessment
- Implement constructive alignment

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# General outline of the new program