

Virtual ALICE

Masterclass: R_{AA} -Factor

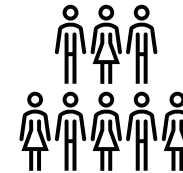
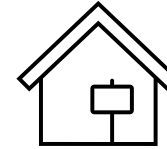
Joshua König

Marcus Mikorski



Pandemic is the mother of new concepts

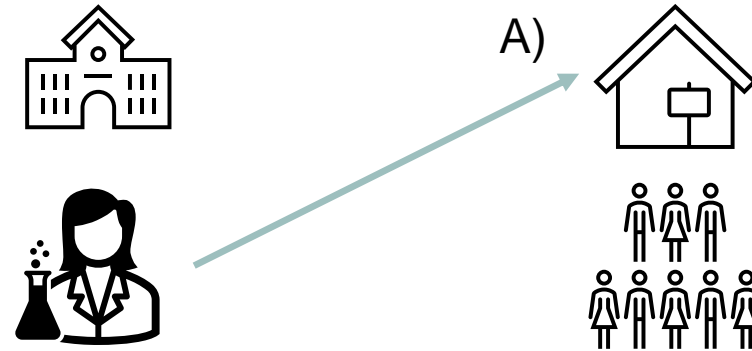
- Before the pandemic:



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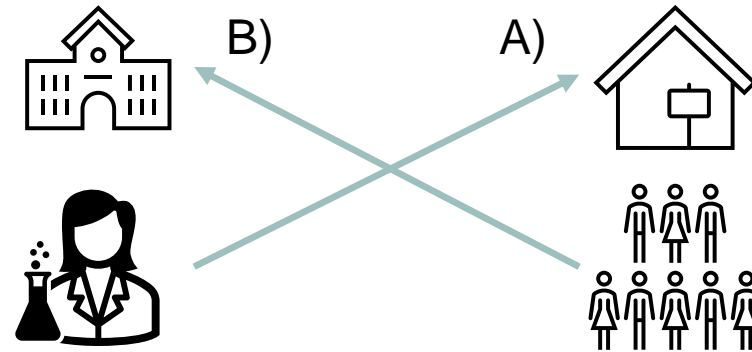
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- B) Masterclasses take place **at the institute** (1 day)



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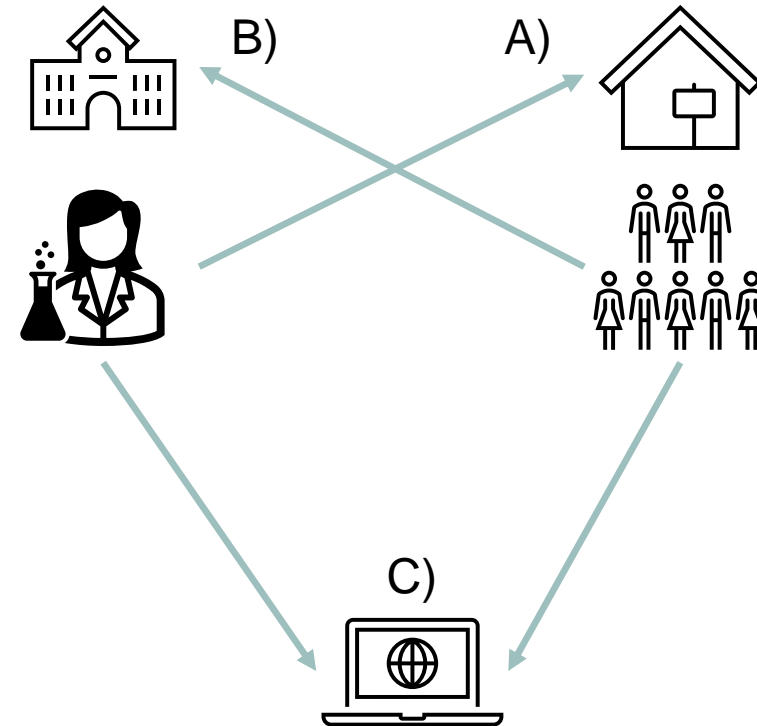
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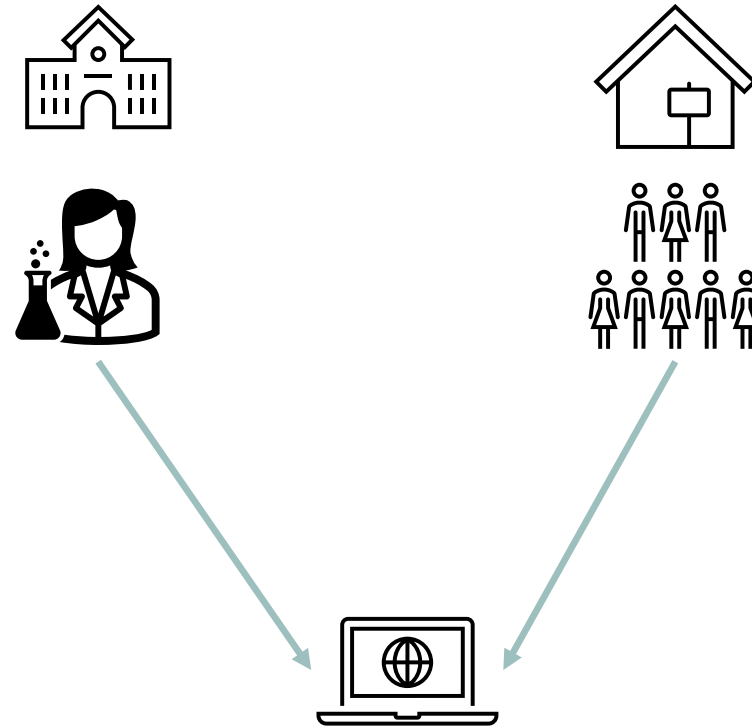
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- During the pandemic:

- C) Masterclasses take place **in virtual space** (2 days)

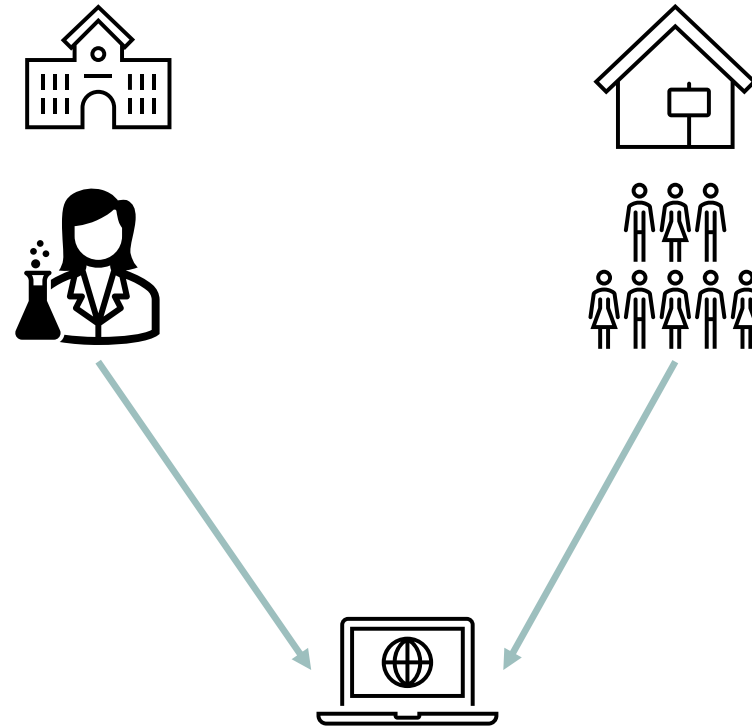
Pandemic is the mother of new ~~concepts~~ Problems



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Challenges:

- Internet **connection** must be **good**
- **Individual help** for participants **during class**
- Everybody must be **able to run code on own machine**
- Long online meetings are **exhausting**




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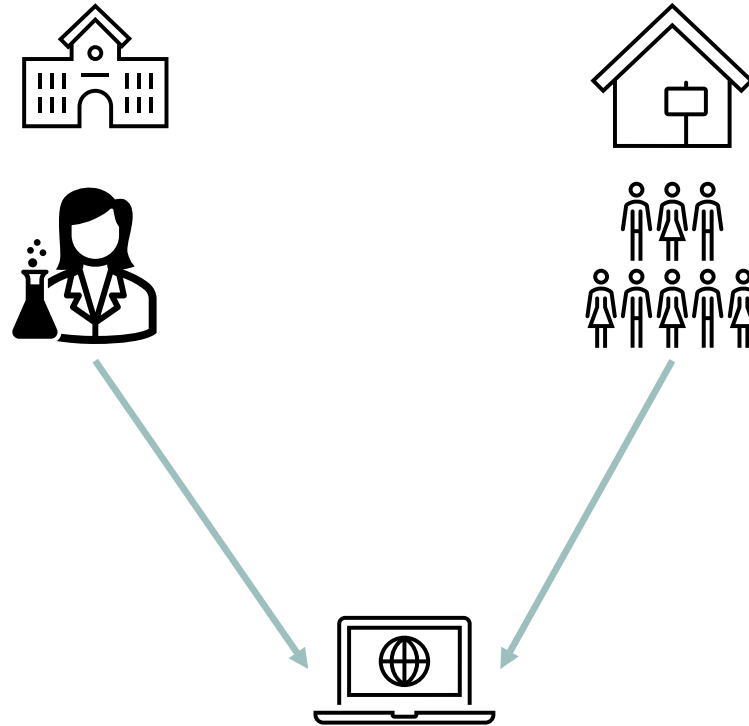
Problems

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 No solution

 Breakout rooms

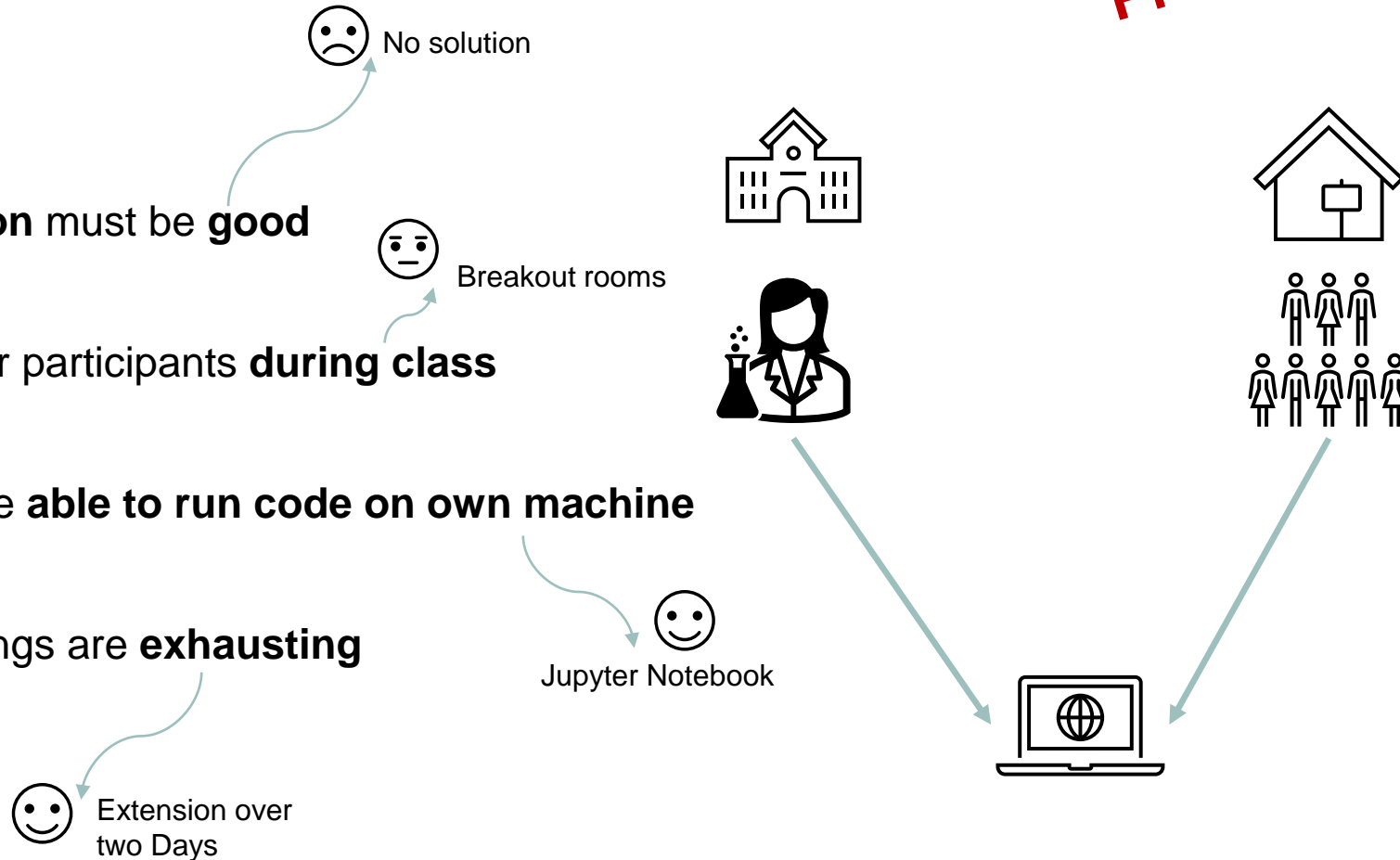


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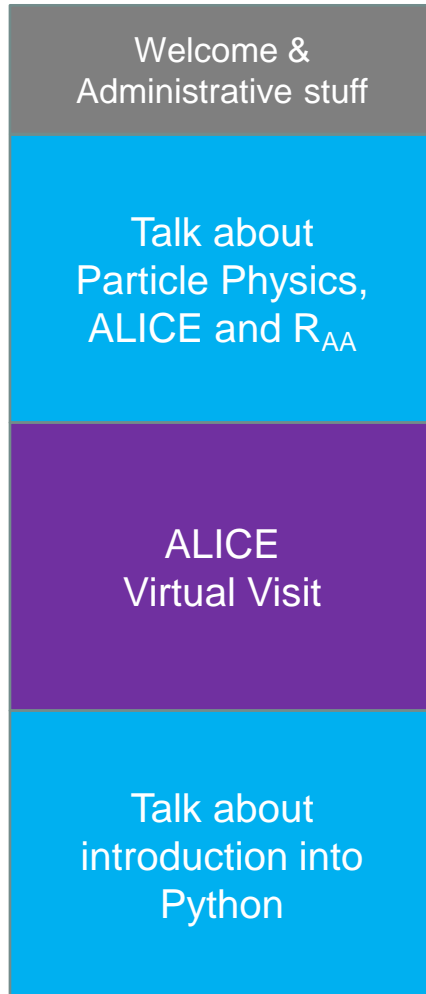
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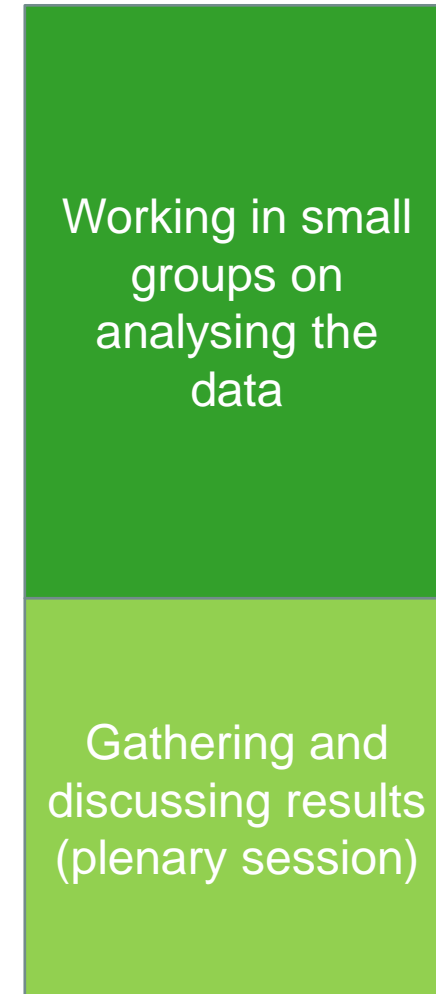


Timetable

1st Day



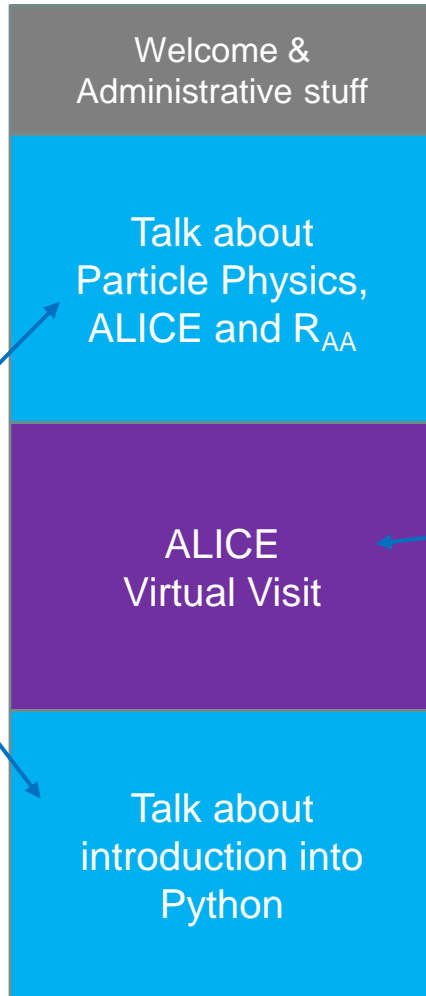
2nd Day



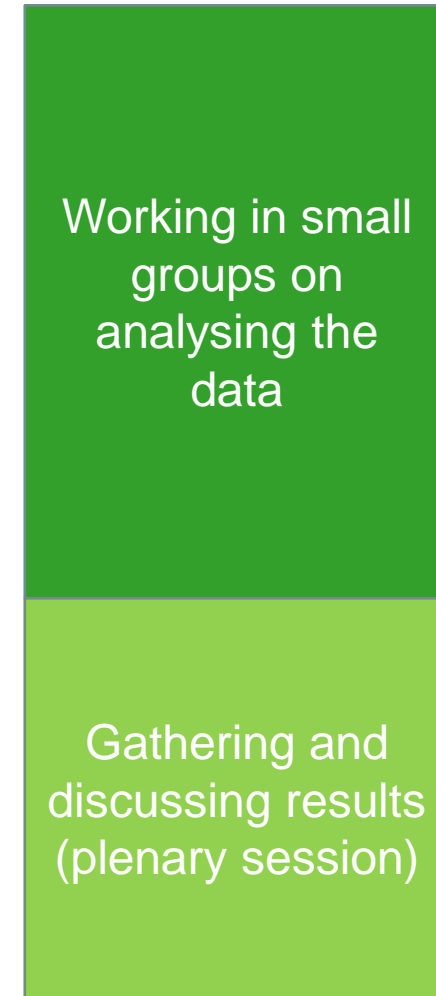
ca. 4 h,
including
break

Timetable

1st Day



2nd Day



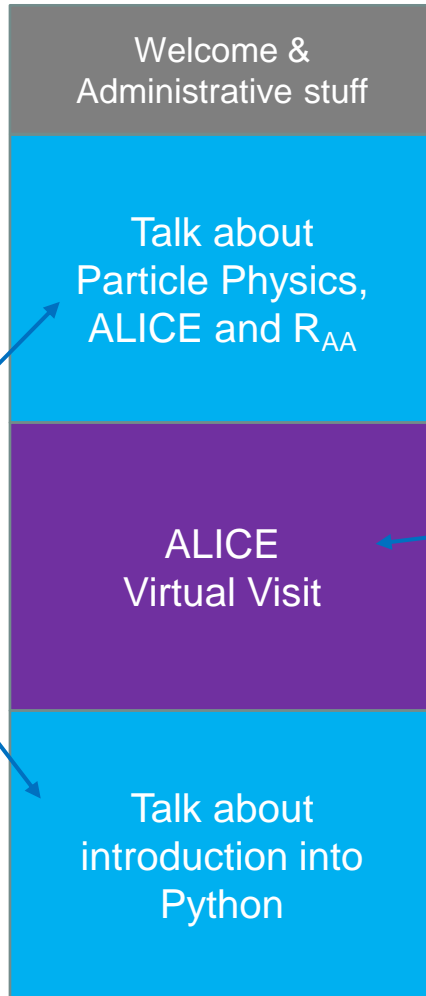
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Plenary session, Talks by scientists

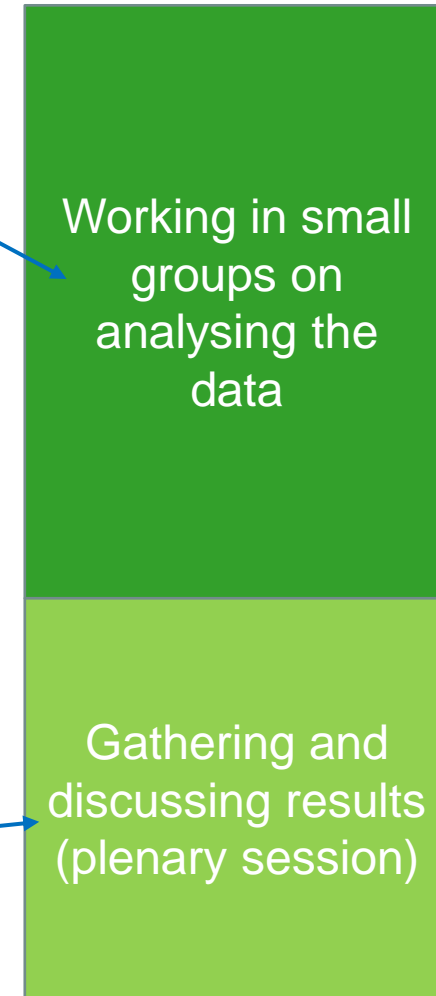
Organized by Despina Hatzifotiadou at CERN

Timetable

1st Day



2nd Day



Each group working autonomously & one scientist responsible for helping

Organized by Despina Hatzifotiadou at CERN

One Scientist collect results, then open discussion with everyone

ca. 4 h, including break

Plenary session, Talks by scientists

Preparation

- Basicly participants get some links
- **Tutorial for Python (external links):**
 - <https://www.youtube.com/watch?v=1E-EIAJsNIw>
 - <https://www.youtube.com/watch?v=voll3dxNjjc>
 - <https://www.youtube.com/watch?v=dyJdLalc7TA&list=PLNmsVeXQZj7q0ao69AlogD94oBgp3E9Zs>
- **Jupyter Notebook**
 - **Explanation:**
 - <https://jupyter-notebook.readthedocs.io/en/stable/notebook.html#notebook-user-interface>
 - **Mainpage:**
 - https://github.com/dmuhlhei/ALICE_MC_RAA
 - **Excercise:**
 - https://hub.gke2.mybinder.org/user/dmuhlhei-alice_mc_raa-5o4ewytl/notebooks/ALICE_RAA_Einleitung.ipynb
 - **Masterclass:**
 - https://hub.gke2.mybinder.org/user/dmuhlhei-alice_mc_raa-gnfuo4ng/notebooks/ALICE_RAA.ipynb

Thank you for your attention!

Any Questions?



Picture: Carolina Reetz

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