

Accelerator Focus @ Physics

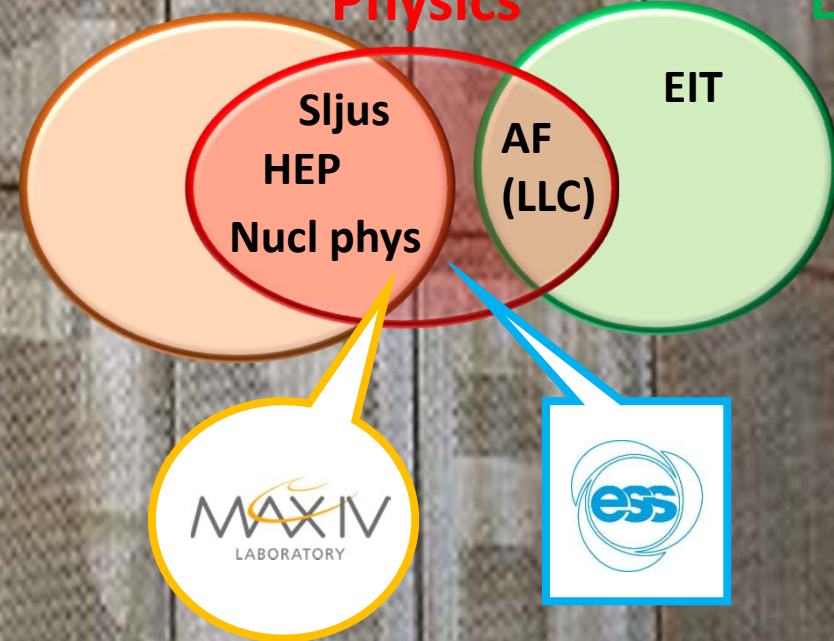


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Science
faculty

Physics

LTH



16 June 2020

<https://lu-se.zoom.us/j/63181595297>

<https://indico.maxiv.lu.se/event/1397/>



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Accelerator Focus @ Physics

Program 10.30-12.00

10:30 Welcome, intro, idea, last meeting, Sverker

10:40 Kristina Eriksson Stenström

10:55 Courses and teaching, Sverker

11:10 Discussion - how to take another step?

- Center ideas
- Accelerators v. using accelerators
- Common project
- Closer involve the labs (ESS, MAX IV)

11:30 Develop a research school proposal? Francesca

11:45 → 12:00 Sum up



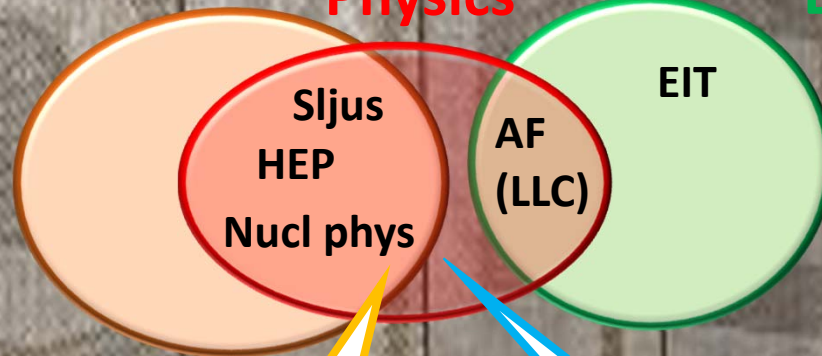
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Development of Accelerator Physics

Aim

- Join the forces at the Department of Physics
- Broaden perspectives and collaborations in research, PhD environment and education.





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- Look inwards: Collaboration, courses ...
- Look sideways: LU, LTH, MAX IV, ESS, LLC ...
- Look outwards: DESY, CERN, LaserLab ...

???

Who is
who?

Minutes from the Accelerator focus for Physics

- Anders presented his LCAD (Lund Center for Accelerator Development). Anders sent the material around for more discussion next time.

Education

- Information on courses, collect the information. (Sverker)
- Things missing: Plasma physics, control systems, vacuum
- Graduate schools, Research schools
- Importance of computing, big data sets (Compute graduate school)
- We discussed joining LTH fairs and Lunch seminars. Need involvement with ESS and MAX IV.

Minutes from the Accelerator focus for Physics

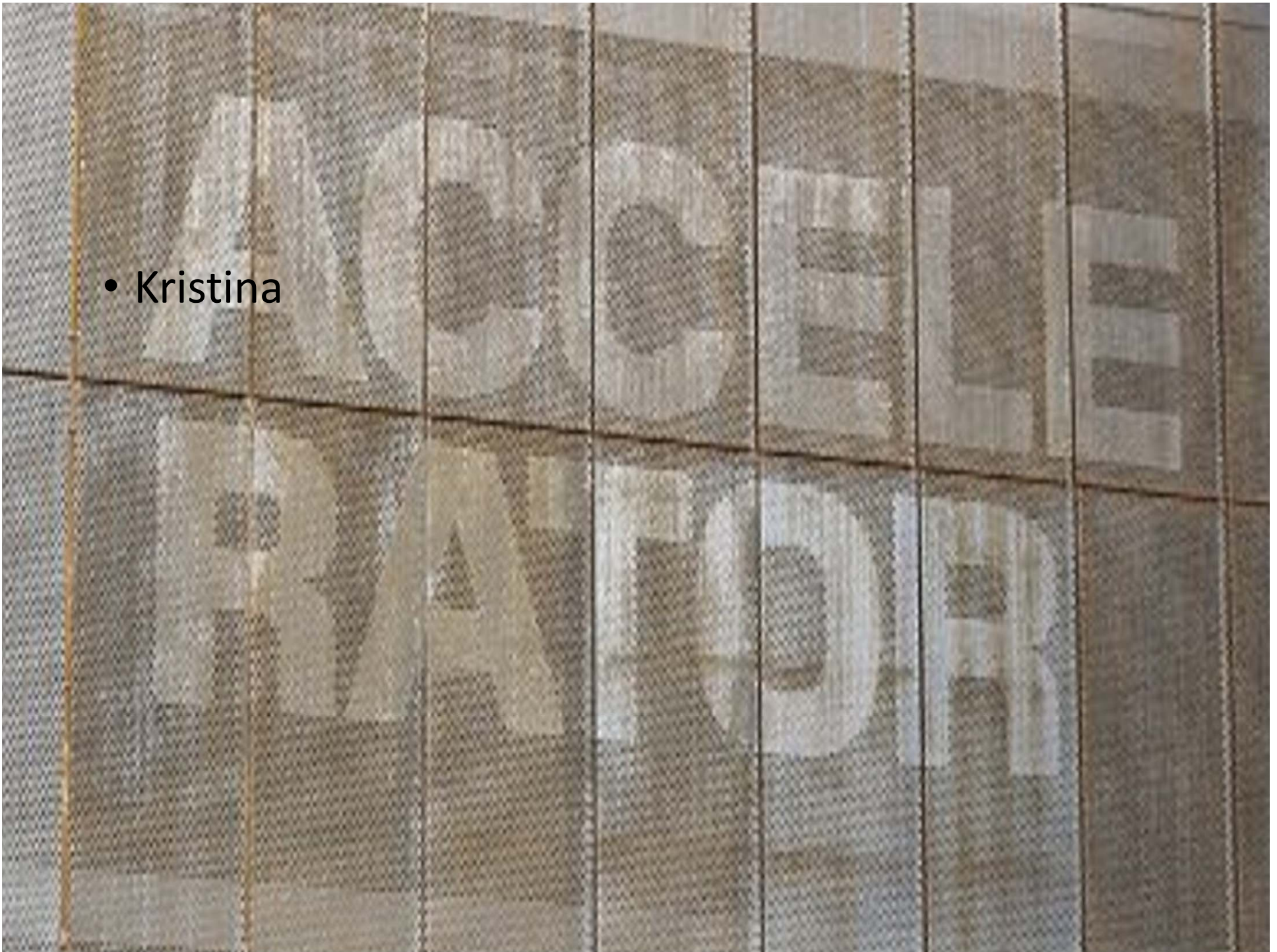
Action points from last meeting still to do:

- We should collect names and contacts for all PhD students among us.
- A homepage

Topics still around:

- Graduate school. Compare the ERASMUS project MAXLAS 10 y ago run by Anne L'Huillier.
- PhD courses in common in areas such as Diagnostics.
- Seminar series on Accelerators (compare MAX ESS seminars)

- Kristina





Courses and teaching

Collect information

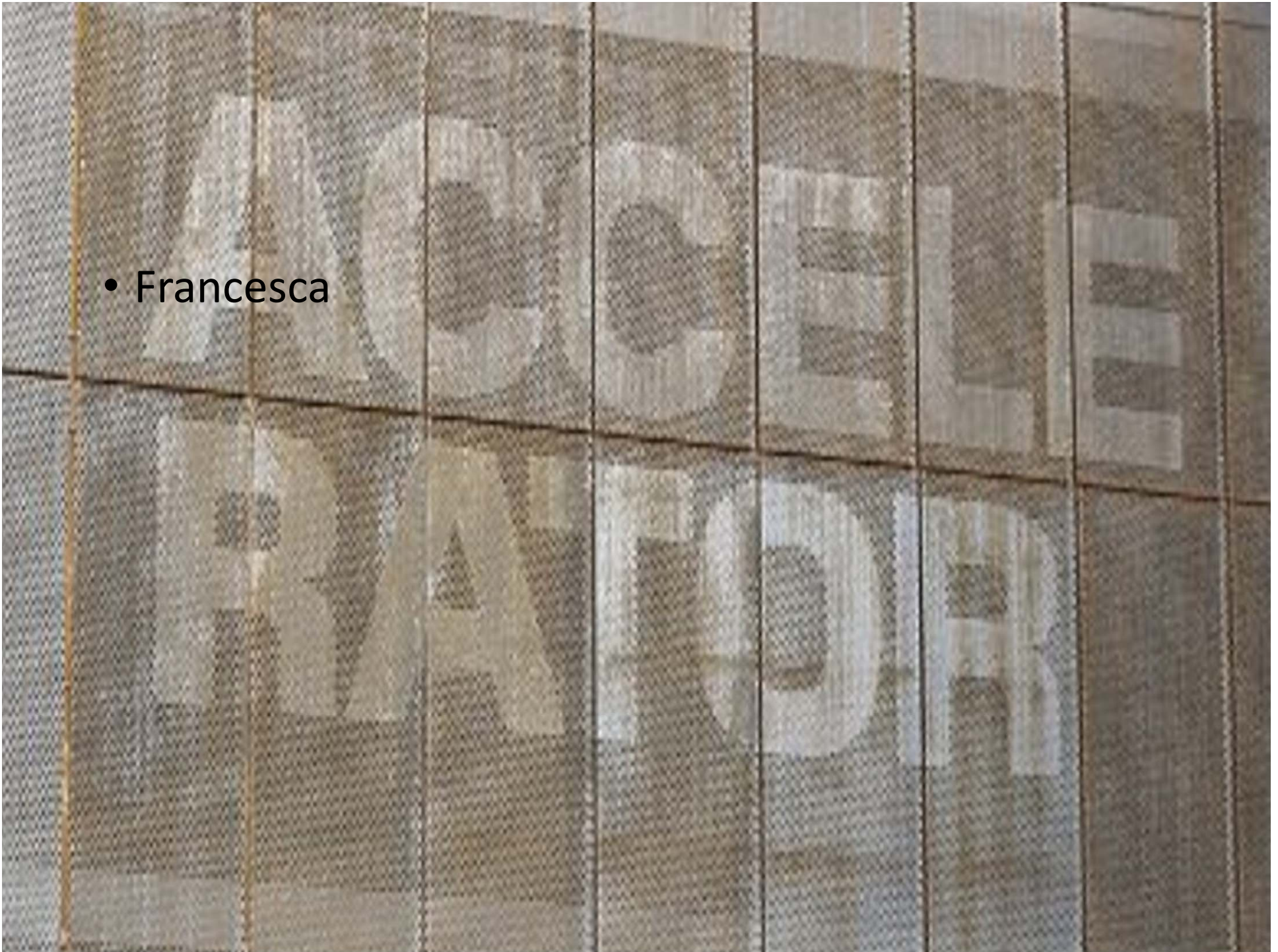
- Accelerator physics a little in many courses
- v.
- Complete courses
- All students an introduction course on BA level
- Advanced course on M-level
- MAX IV – ESS
- CERN
- Atomic physics (laser acc)



11.10 Discussions

- Center ideas
- Accelerators v. using accelerators
- Common project
- Closer involve the labs (ESS, MAX IV)

- Francesca



Sum-up

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