

Norge @ CERN

- Norwegian Centre for CERN-related Research -

Heidi Sandaker - NorCC - 27.03.23

CERN-related research in Norway

- **UiO, UiB, HVL, USN, NTNU, UiA, UiS**
- Of these UiO, UiB, HVL, USN, NTNU, UiA are part of the new centre for CERN-Related Research
- Research focussed on:
 - Theory: UiS, UiO, UiB, UiA
 - Experiments: UiB, UiO, HVL, USN, UiA
 - Technology: NTNU, UiA, USN, HVL
- Research mainly organised in :
 - **N-PACT** - network for theoretical research
 - **NorCC** - Centre for CERN-related research



About NorCC

- 6 institutes: **UiO, UiB, HVL, USN, NTNU, UiA**
- **Largely funded by NFR through various grants**
- Number of people is growing, now ~166 persons in Norway and ~25 staff and fellows at CERN
- Total 211 persons

NorCC responsibilities at CERN:

- **Technical student program** - NorCC co-funds student
- **Summer students** - NorCC funds extra summer students
- **TTO-ILO** - works for technology transfer to Norway and industrial return etc
- **CERN users** - short and long term stays at CERN from our universities



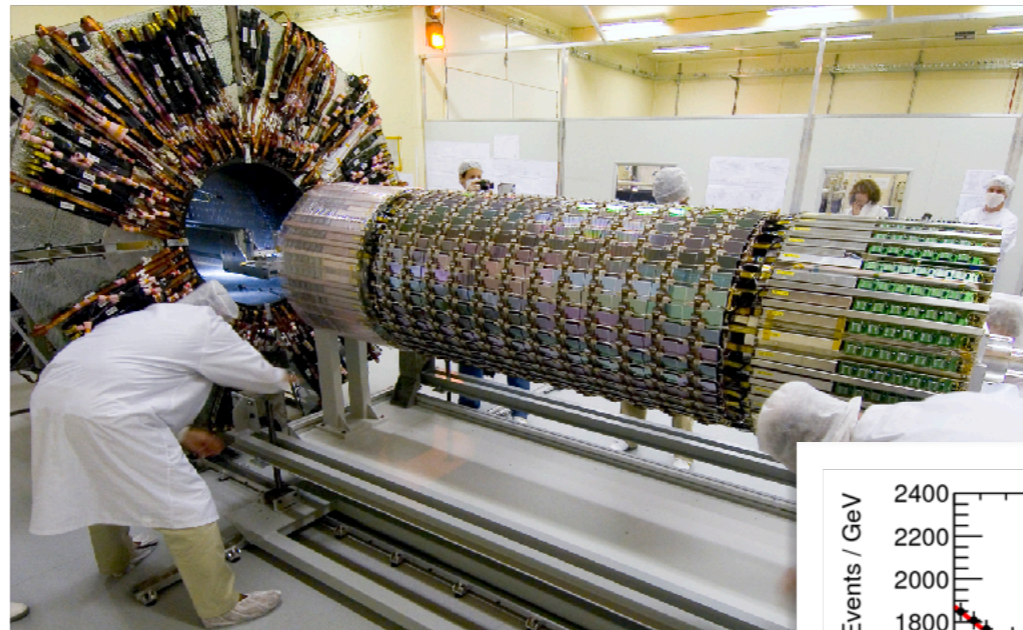
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Physics Research



OTP, Service work

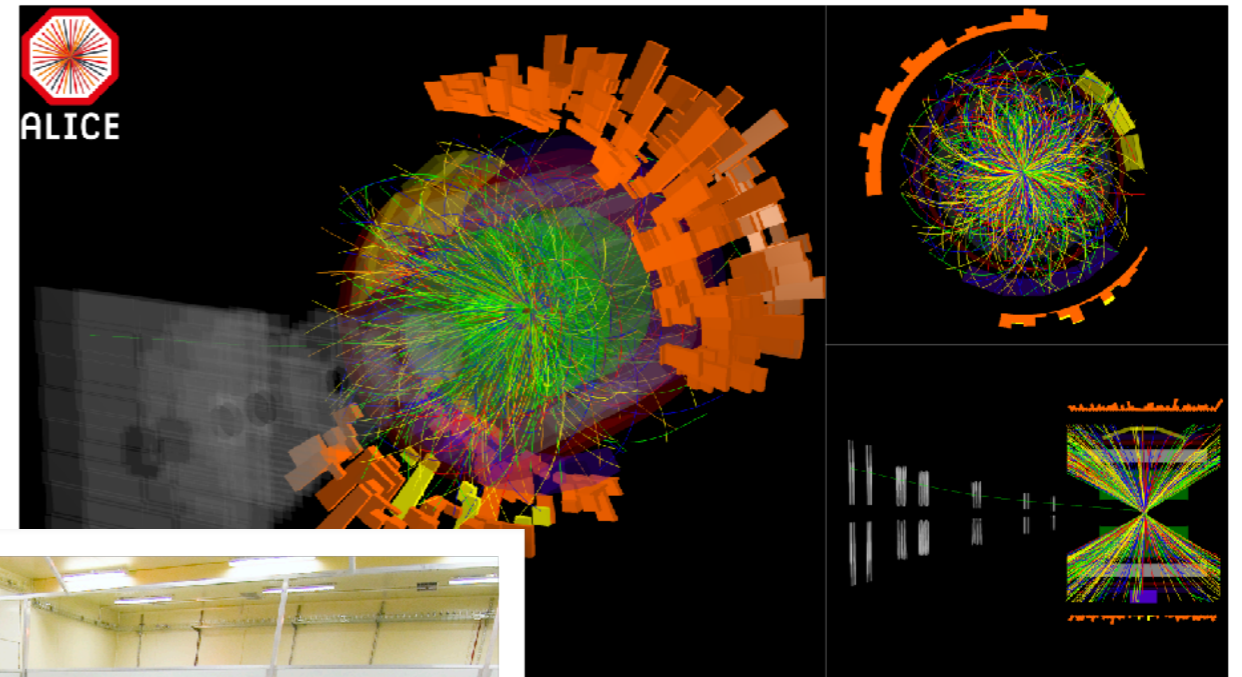
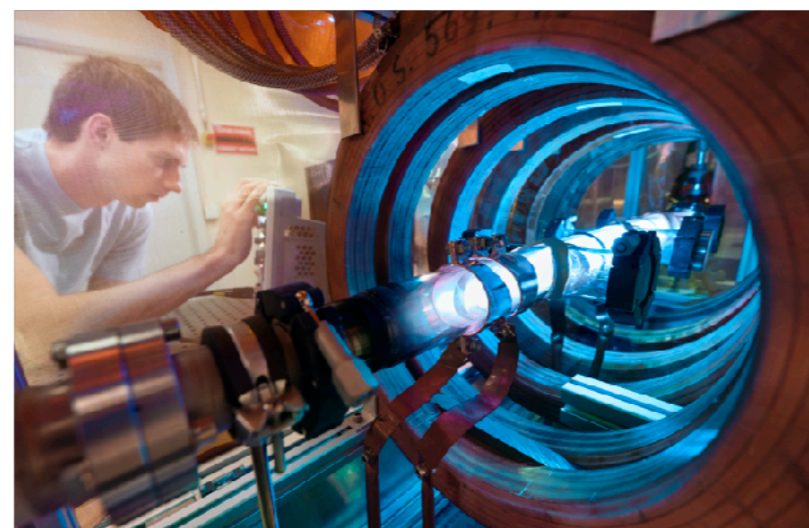
Detector R&D



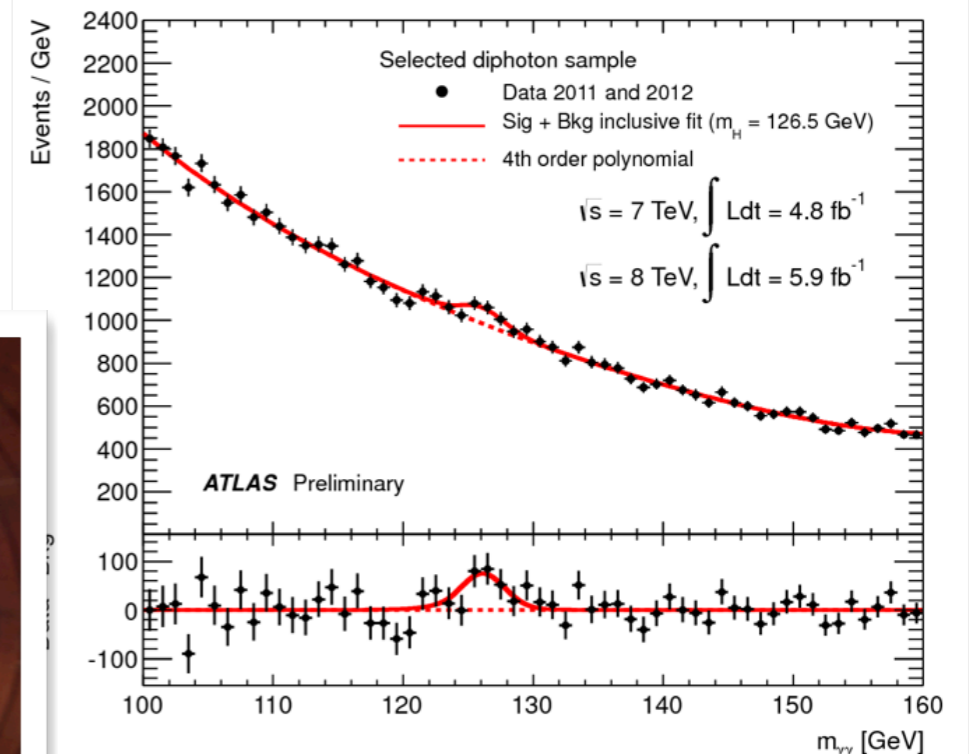
Accelerator R&D



Computing R&D

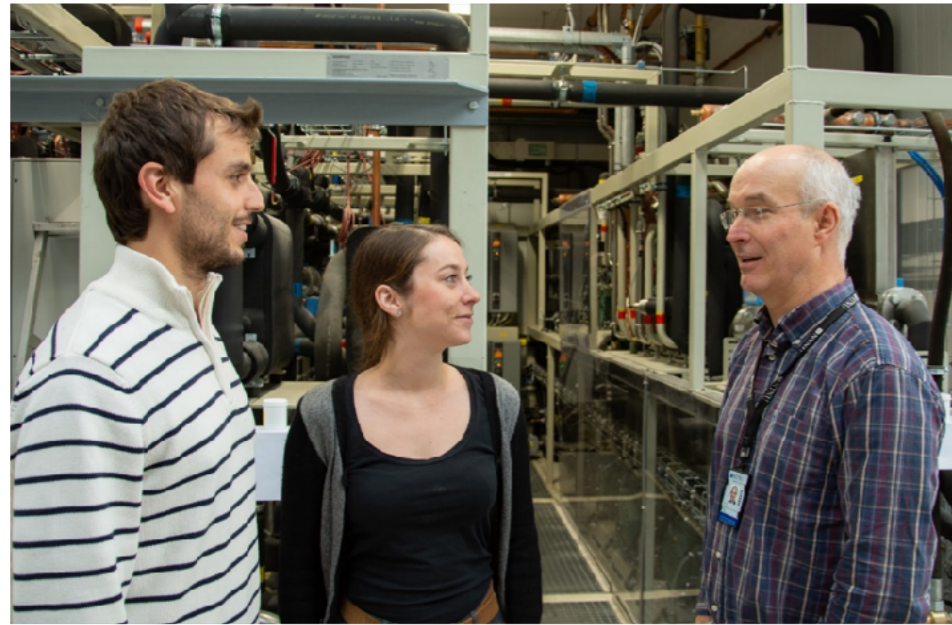


Operation of the experiments
Data Analysis

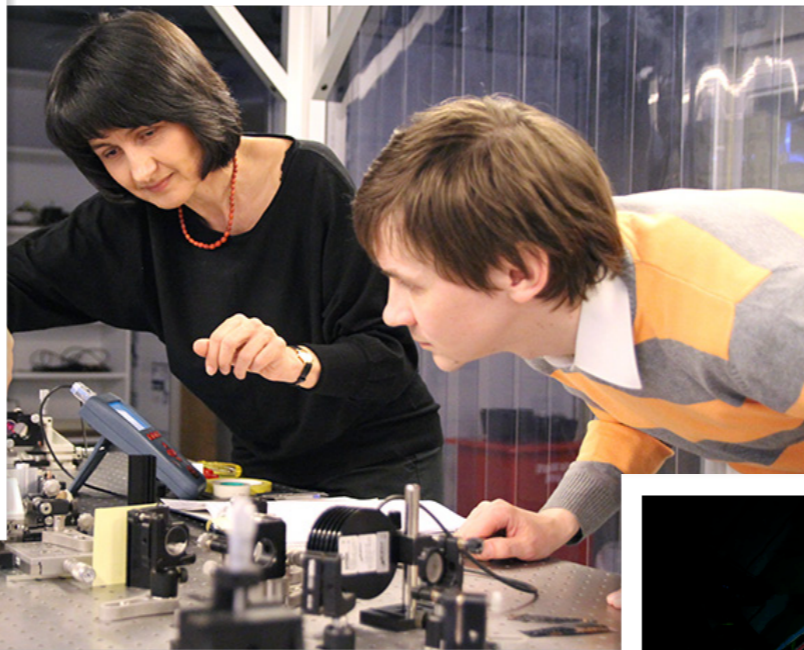


and much more ...

Technology Research



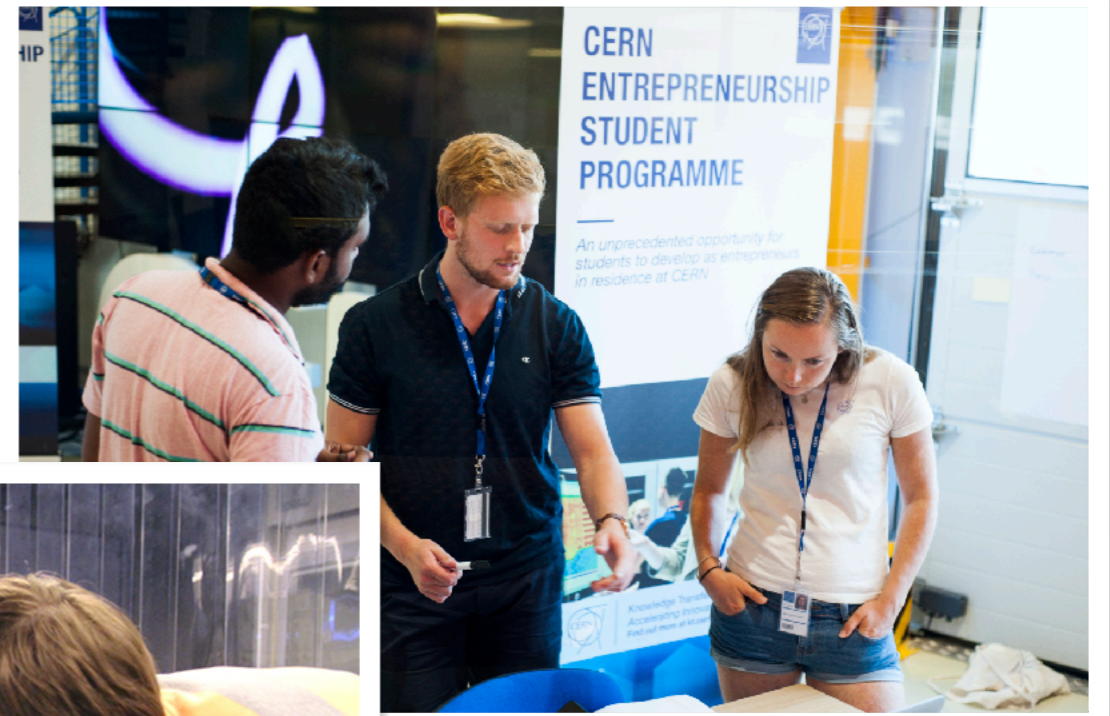
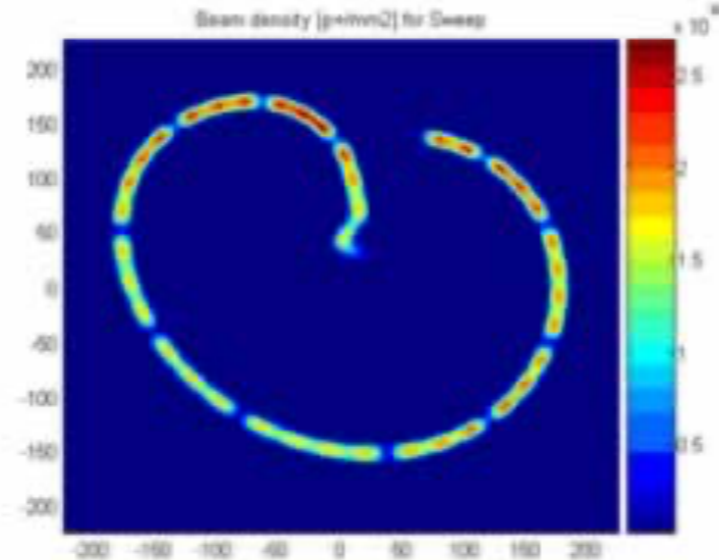
Lasers



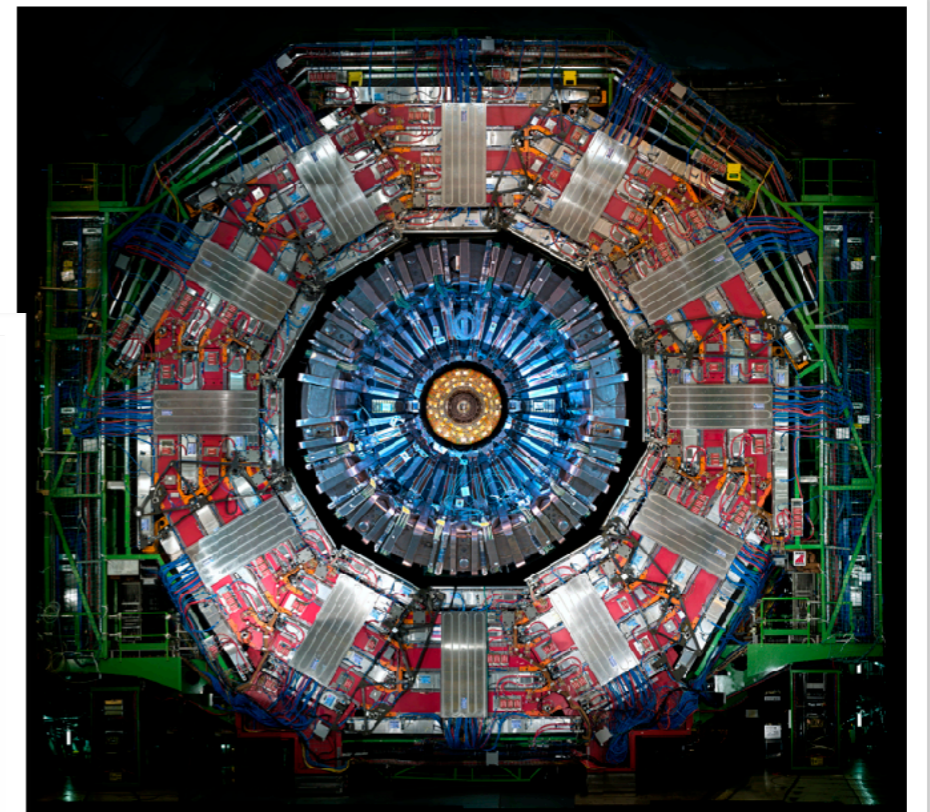
Material Science



Robotics

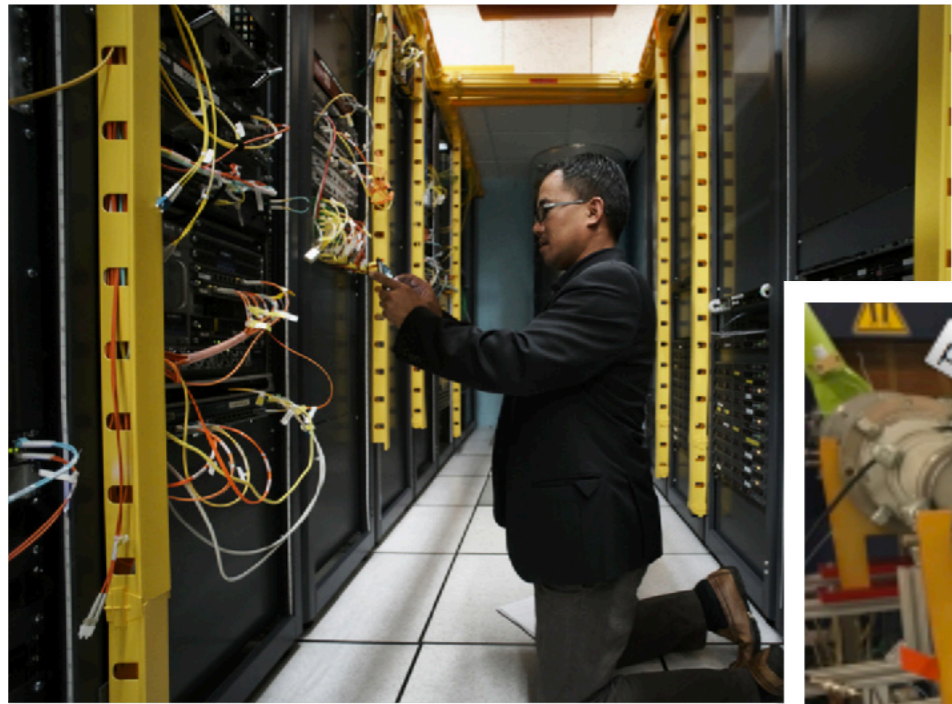


Entrepreneurship
UiA and CMS



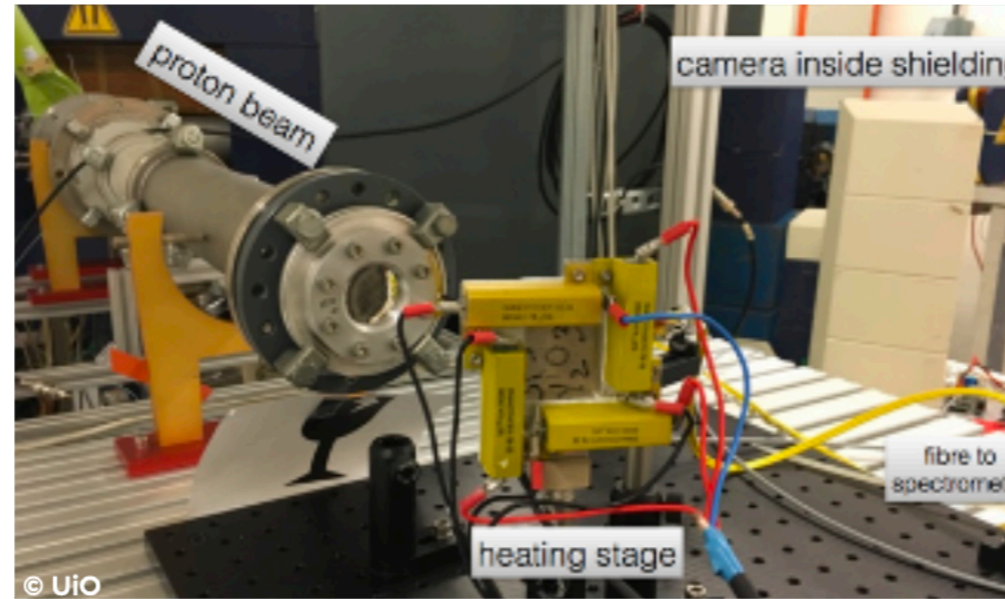
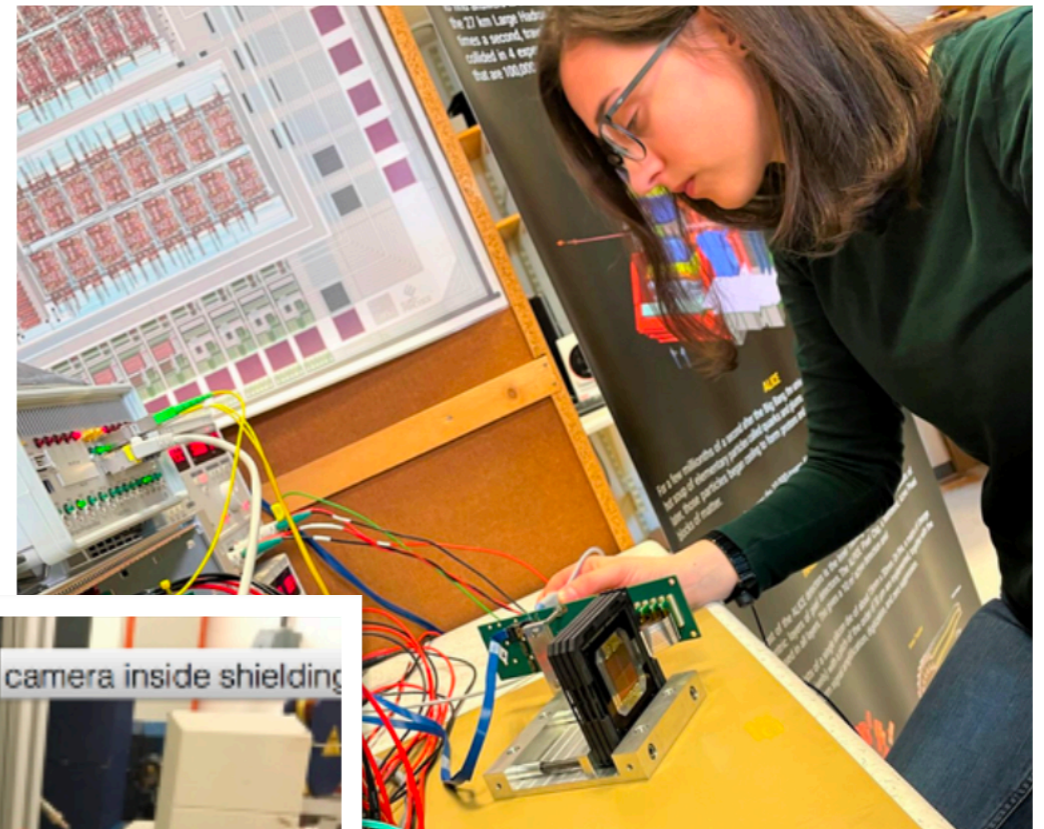
and much more ...

Laboratoires and computing facilities



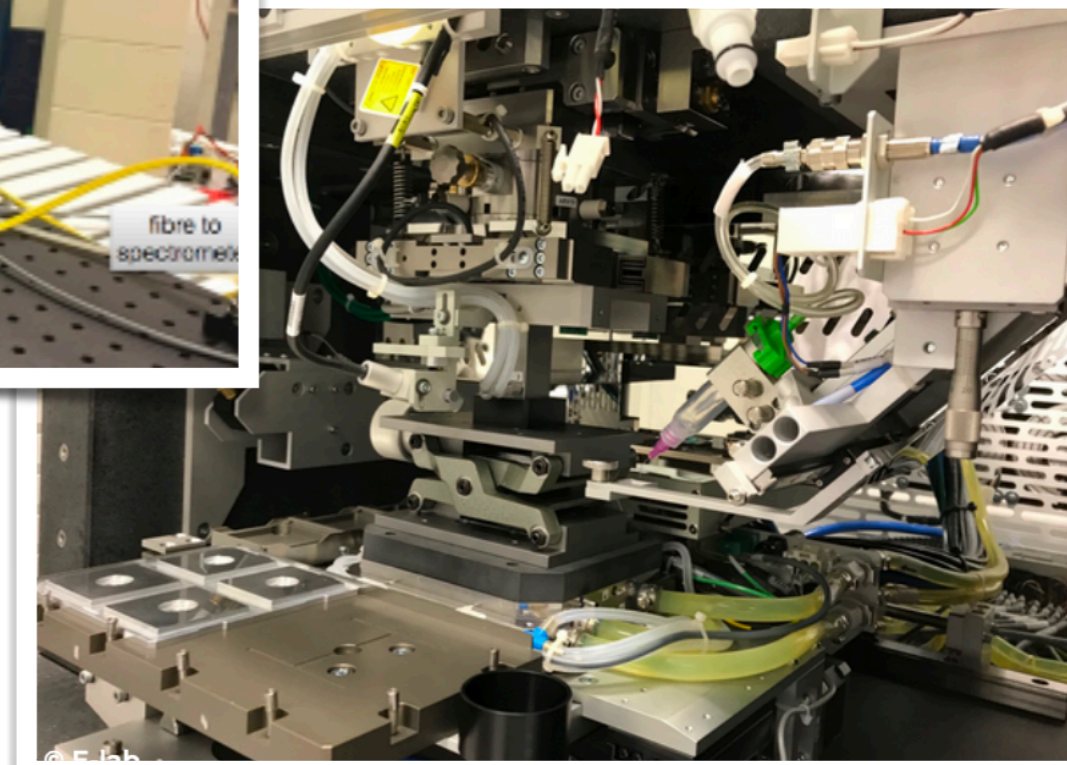
WLCG Tier-1

Oslo
Cyclotron
Laboratory



NorFab USN

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Laboratory of electronics and instrumentation UiO

Agenda NorCC 2023 (tentative and not yet complete, let Eli/Heidi know if your event should be added)

- 14.4 - Young Researcher Council career event for all bachelors, masters, PhDs and postdocs in NorCC on Friday, April 14th, from <https://indico.cern.ch/event/1267880/>
- 28.4 - Restricted ECFA evaluation in Oslo (for invited speakers)
- 9-11.8 - Fysikermøtet in Bergen (proposal: this years student event)
 - <https://www.uib.no/ift/158144/fysikermøtet-2023>
- 12.9 - Open Steering Committee meeting - all are welcome (date to be confirmed)
- 27-28. 9 - Centre Workshop (in person in Bergen, zoom connection for those remote)
- **13.12 - Norwegian CERN Christmas meeting**
- **NorCC Tuesdays 12:00 - Seminar series - ALL are welcome to attend all seminars**
 - 1st Tuesday per month - young researcher seminars, please sign up by e-mail to Eli ! <https://indico.cern.ch/category/>
 - 3rd Tuesday per month - invited speaker, announcement by e-mail
- **Wednesdays 10:00-11:30 - Open virtual office with Eli and Heidi**
 - <https://uio.zoom.us/j/63512711463?pwd=Vjc5YjVOZzUxNWpCU1F6VG0vYi9lZz09>
- **Tuesdays 9:00 - Weekly Steering Committee meeting** - Weekly meeting for the activity leaders, all are welcome to bring matters, contact your activity leader, Eli or Heidi.

Conferences/Workshop related to NorCC 2023 (please send others if you like them added)

- 25-29.6 - iWorld conference in Oslo (Radiation Imaging Detectors) <https://www.iworld.science>
- 21-25.8 - EPS conference in Hamburg: <https://indico.desy.de/event/34916>

NorCC activities for young researchers

- Yearly workshop, 2022 in Oslo, 2023 in Bergen
- Summer@CERN 2022, bi-annual event, 2 weeks at CERN for young researchers
- Students seminars, soon we also restart our regular seminar series
- Young Researcher Council
- Conferences and events
- And more ...

All are welcome !



*Pictures from
Summer@CERN
in Geneva*



Pictures taken by the Summer@CERN students

RECFA Country evaluation - discussion

- Norway will be evaluated by the Restricted European Committee for Future Accelerators (RECFA) 28th of April (Alex Read is our contact)

“Some of the [main aims of ECFA](#) are to contribute to the long-range planning of European high- energy physics facilities, to ensure a good balance between the roles of international and national laboratories and academic institutions, and to foster close relations between research and education in high-energy physics and other fields. ECFA also monitors the conditions for research and the sharing of facilities between physicists, irrespective of nationality and origin, ensuring that they are conducive to successful collaboration. The above aims are achieved through regular Plenary ECFA meetings and dedicated country visits by Restricted ECFA.”

- Input from people at CERN is welcome !
 - today but also per e-mail

Activities at CERN - for all at CERN - discussion

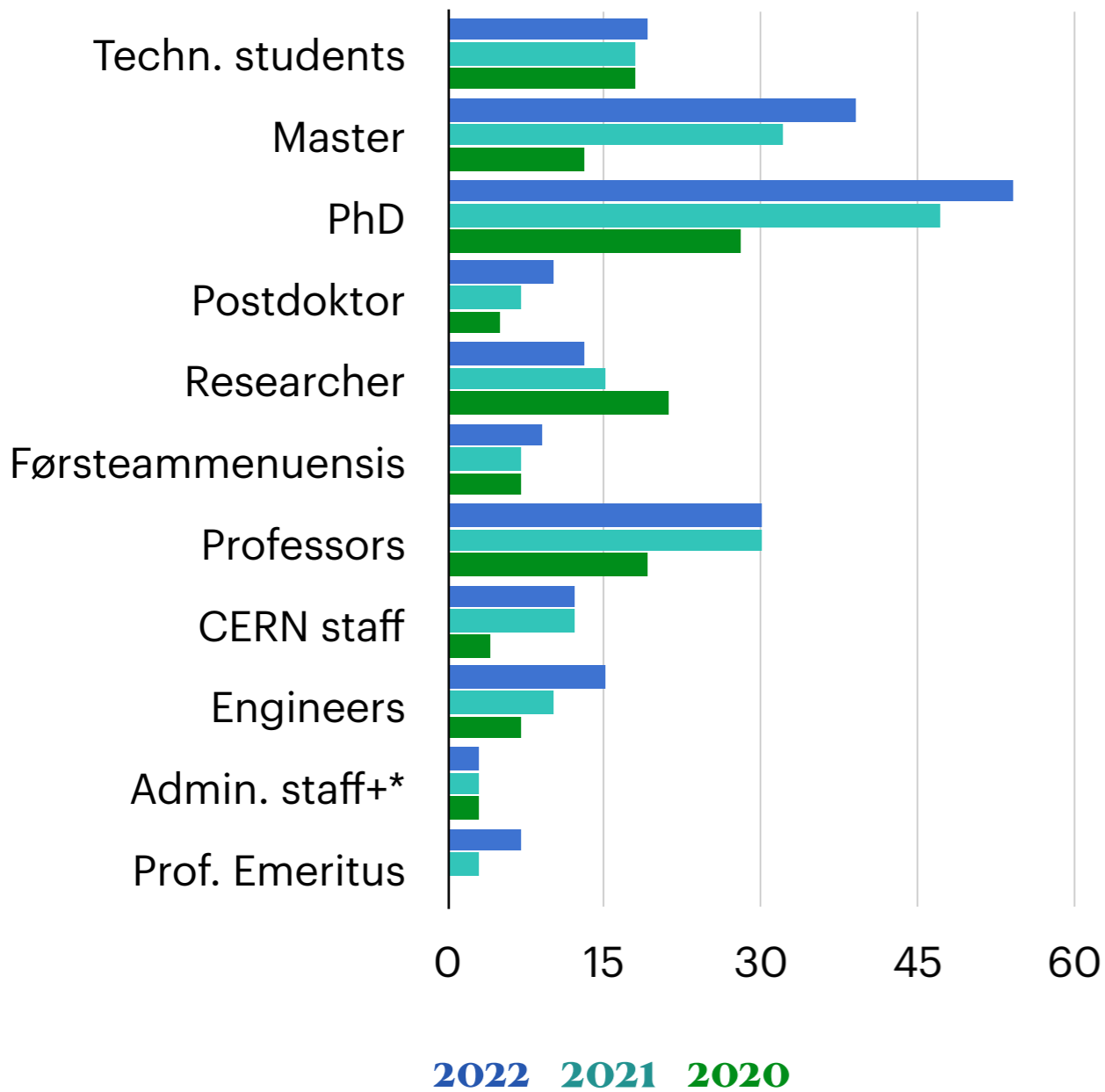
- 13.12 - Norwegian CERN Christmas meeting
- Waffels?
- Other activities

Proposal for discussion:

- Town meeting twice? a year ?
- Particular needs of the technical students?
- Other activities?

Thank you for your attention

NorCC in numbers



Technical students

