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UNIVERSITET

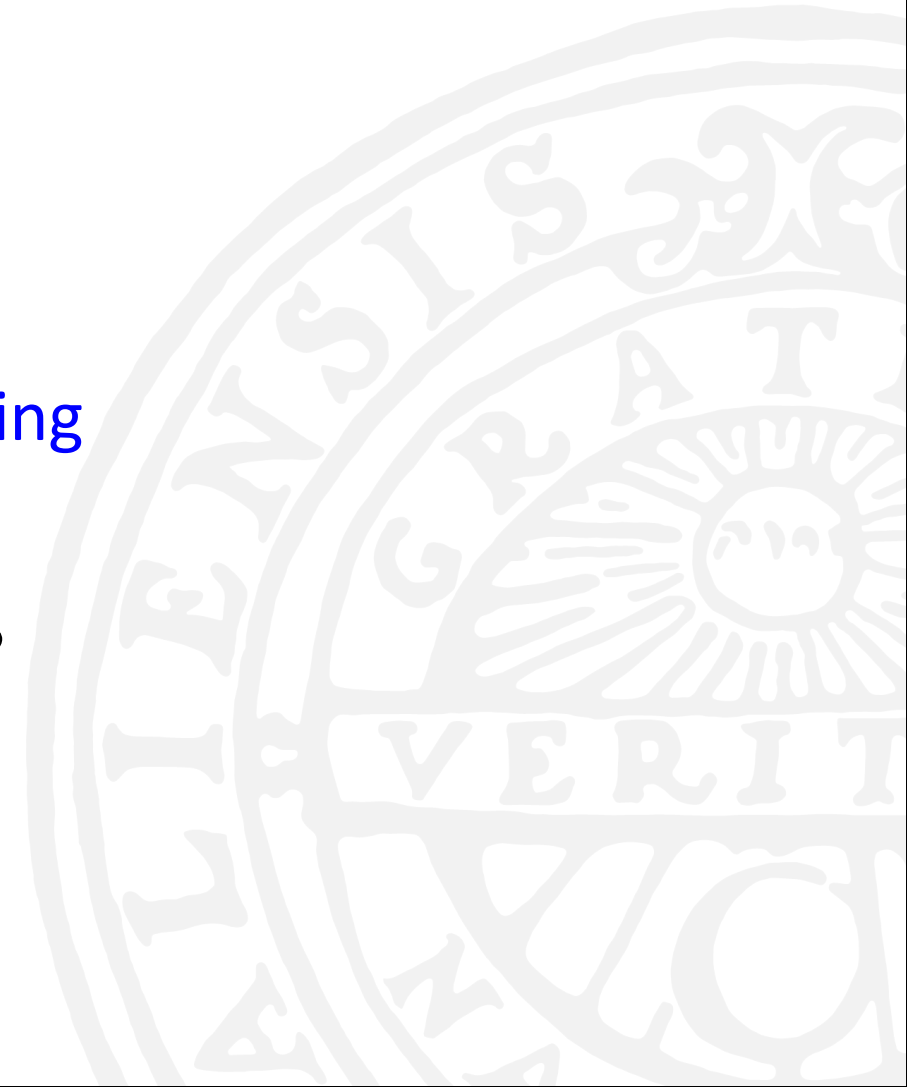


Welcome

AWAKE collaboration meeting

Uppsala, April 25-26, 2023

Kévin Pepitone





Oldest university in Scandinavia (1477)

- UU
 - 41'500 students, 9'000 staff, 590 MEur annual budget
 - 3 domains with 14 faculties:
 - Science and Technology
 - Medicine and Pharmacy
 - Humanities and Social Sciences
 - University library and hospital
- Science and technology
 - 10'000 students, 1'800 staff
 - Historical profiles: Linnaeus, Rudbeck, Celsius, Ångström, Siegbahn, Svedberg
 - R&D areas:
 - physics, chemistry, biology, earth sciences, engineering, mathematics, IT





- **Departments:**
 - Physics and Astronomy, Chemistry, Mathematics, Engineering, Sciences
- **Centers:**
 - The Swedish Institute of Space Physics
 - The Tandem Laboratory - 5 MeV tandem accelerator and a 350 keV current ion implanter
 - UPPMAX/SNIC – high-performance computing centers
 - Ångström Microstructure Laboratory with 2000 m² cleanroom facility for microtechnology, nanoscience and characterization
 - Ångström Workshop - the largest university mechanical workshop in Sweden
 - FREIA



Instrumentation and Accelerator Physics and Development

Competent and motivated staff

collaboration of physics (IFA)
and engineering (Teknikum)



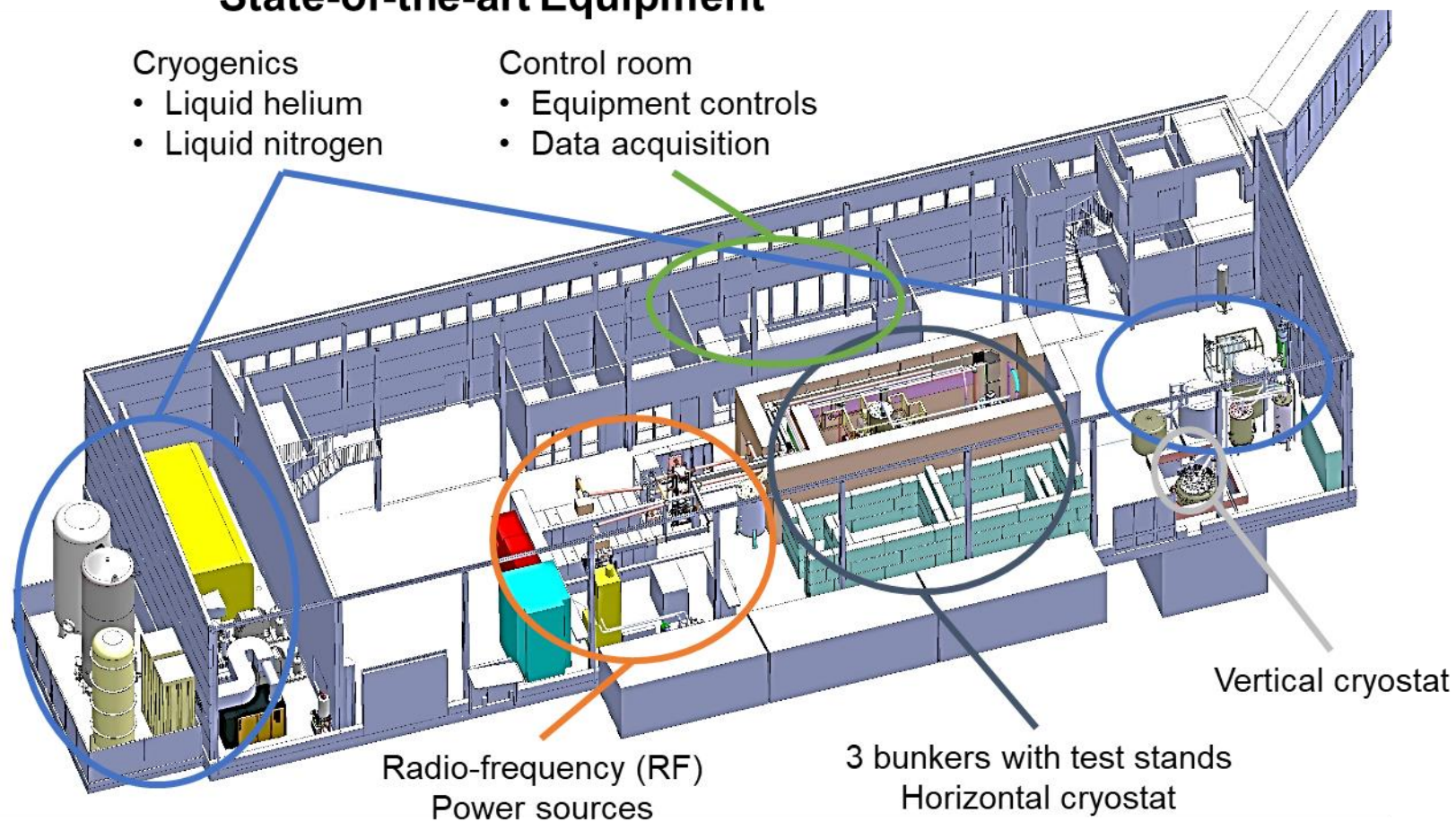
State-of-the-art Equipment

Cryogenics

- Liquid helium
- Liquid nitrogen

Control room

- Equipment controls
- Data acquisition



session

● Collaboration board ● FREIA visit ● Lunch ● Run 2a results

voir plus...

09:00	Welcome from the Physics Prefekt Room 80127, Ångström Laboratory - Uppsala University, Sweden	Richard Brenner 09:00 - 09:05
	Welcome from Kévin Room 80127, Ångström Laboratory - Uppsala University, Sweden	Kevin Pepitone 09:05 - 09:10
	Introduction Room 80127, Ångström Laboratory - Uppsala University, Sweden	Patric Muoni 09:10 - 09:20
	Progress towards emittance with the AWAKE spectrometer Room 80127, Ångström Laboratory - Uppsala University, Sweden	Tom Pannell 09:20 - 09:35
	Emittance Compensation of Extracted Electron Beams from the AWAKE Plasma Source Room 80127, Ångström Laboratory - Uppsala University, Sweden	Sagar Bhatnagar 09:35 - 10:05
10:00	Coffee break Room 80127, Ångström Laboratory - Uppsala University, Sweden	
	Update on Silicon measurement in the Rb plasma Room 80127, Ångström Laboratory - Uppsala University, Sweden	Gabor Demeter 10:00 - 10:20
	Analysis of plasma light from electrons Room 80127, Ångström Laboratory - Uppsala University, Sweden	Andrew Ian Sutherland 10:20 - 10:55
11:00	Manuscript presentation: Development of the SM instability of a relativistic proton bunch in plasma Room 80127, Ångström Laboratory - Uppsala University, Sweden	Livio Verra 11:00 - 11:15
	FREIA visit: FREIA visit + group picture	
12:00	Lunch	
13:00		

<https://indico.cern.ch/event/1256286/>

	Preparation for Run 2b — run-coordination Room 80127, Ångström Laboratory - Uppsala University, Sweden	Giovanni Zevi Della Porta 13:30 - 13:40
	Status of the discharge source and measurement program Room 80127, Ångström Laboratory - Uppsala University, Sweden	Alban Sublet 13:45 - 14:00
14:00	Density stop plasma source and measurement program Room 80127, Ångström Laboratory - Uppsala University, Sweden	Dr Michele Benfante 14:05 - 14:20
	Run 2b diagnostics Room 80127, Ångström Laboratory - Uppsala University, Sweden	Eugenio Senes 14:25 - 14:35
	Beam-line optimisation algorithms Room 80127, Ångström Laboratory - Uppsala University, Sweden	Vittorio Bencini 14:40 - 14:55
15:00	Laser improvements for Run 2b Room 80127, Ångström Laboratory - Uppsala University, Sweden	Lucas Alexei Ranc 15:00 - 15:15
	C-DR BPMs Room 80127, Ångström Laboratory - Uppsala University, Sweden	Rohany Sagar 15:20 - 15:35
	Coffee break Room 80127, Ångström Laboratory - Uppsala University, Sweden	
	Collaboration board Room 80127, Ångström Laboratory - Uppsala University, Sweden	

Please upload your slides to Indico (at the latest one presentation before yours) or ask me to help you.
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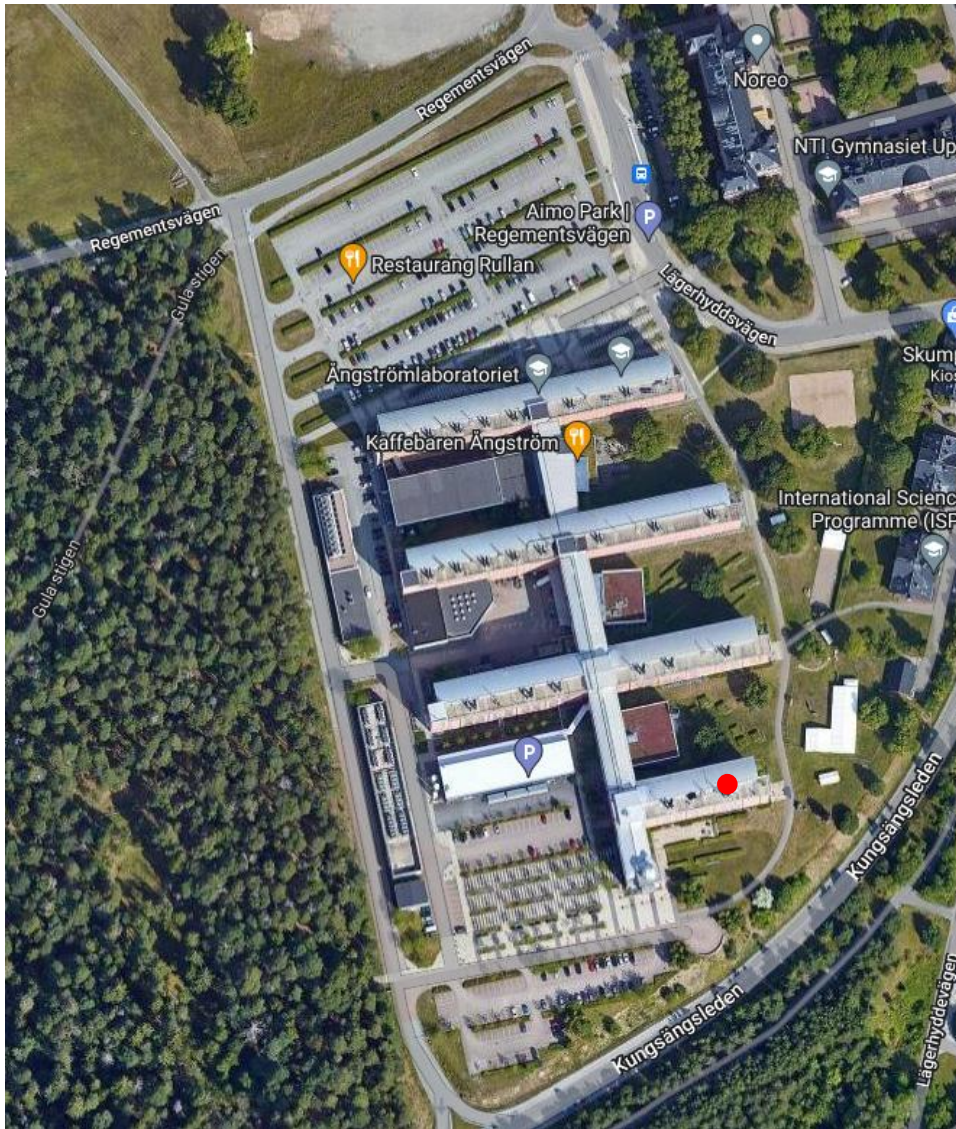
Légende de la session

- Close-out
- Lunch
- Run 2c
- Simulations

09:00	Electron source prototype Room 80127, Ångström Laboratory - Uppsala University, Sweden	Steffen Doebert 09:00 - 09:15
	CNGS dismantling Room 80127, Ångström Laboratory - Uppsala University, Sweden	Ans Pardons 09:15 - 09:30
	Strategy towards reliable beam instrumentation for Run 2c Room 80127, Ångström Laboratory - Uppsala University, Sweden	Stefano Mazzoni 09:40 - 09:55
10:00	Status of the CNGS II Level 1F system Room 80127, Ångström Laboratory - Uppsala University, Sweden	Kristian Fickel 10:00 - 10:15
	Coffee break Room 80127, Ångström Laboratory - Uppsala University, Sweden	10:20 - 10:40
	Status of the S-C and X-ray photo multiplier Room 80127, Ångström Laboratory - Uppsala University, Sweden	Dragos Dancila 10:40 - 10:55
11:00	Beam instrumentation development for Run 2c Room 80127, Ångström Laboratory - Uppsala University, Sweden	Joseph D'Amico 11:00 - 11:15
	Place holder I Room 80127, Ångström Laboratory - Uppsala University, Sweden	11:20 - 11:35
	Place Holder II Room 80127, Ångström Laboratory - Uppsala University, Sweden	11:40 - 11:55
12:00	Lunch Room 80127, Ångström Laboratory - Uppsala University, Sweden	12:00 - 13:30

13:30	Overview of simulation tasks for Run 2c Room 80127, Ångström Laboratory - Uppsala University, Sweden	John Patrick Farmer 13:30 - 13:50
14:00	Laser-assisted injection from a foil Room 80127, Ångström Laboratory - Uppsala University, Sweden	Dr Thomas Wilson 13:55 - 14:10
	Filamentation studies Room 80127, Ångström Laboratory - Uppsala University, Sweden	Erwin Walter 14:15 - 14:30
	Coffee break Room 80127, Ångström Laboratory - Uppsala University, Sweden	14:35 - 15:05
15:00	Ion motion in the plasma discharge source Room 80127, Ångström Laboratory - Uppsala University, Sweden	Marlene Turner 15:05 - 15:20
	TBD Room 80127, Ångström Laboratory - Uppsala University, Sweden	M. Nikita Okhotnikov 15:25 - 15:40
	Report from the publication committee Room 80127, Ångström Laboratory - Uppsala University, Sweden	Giovanni Zevi Della Porta 15:45 - 16:00
16:00	Summary of Collaboration board meeting Room 80127, Ångström Laboratory - Uppsala University, Sweden	Allen Caldwell et al. 16:00 - 16:15

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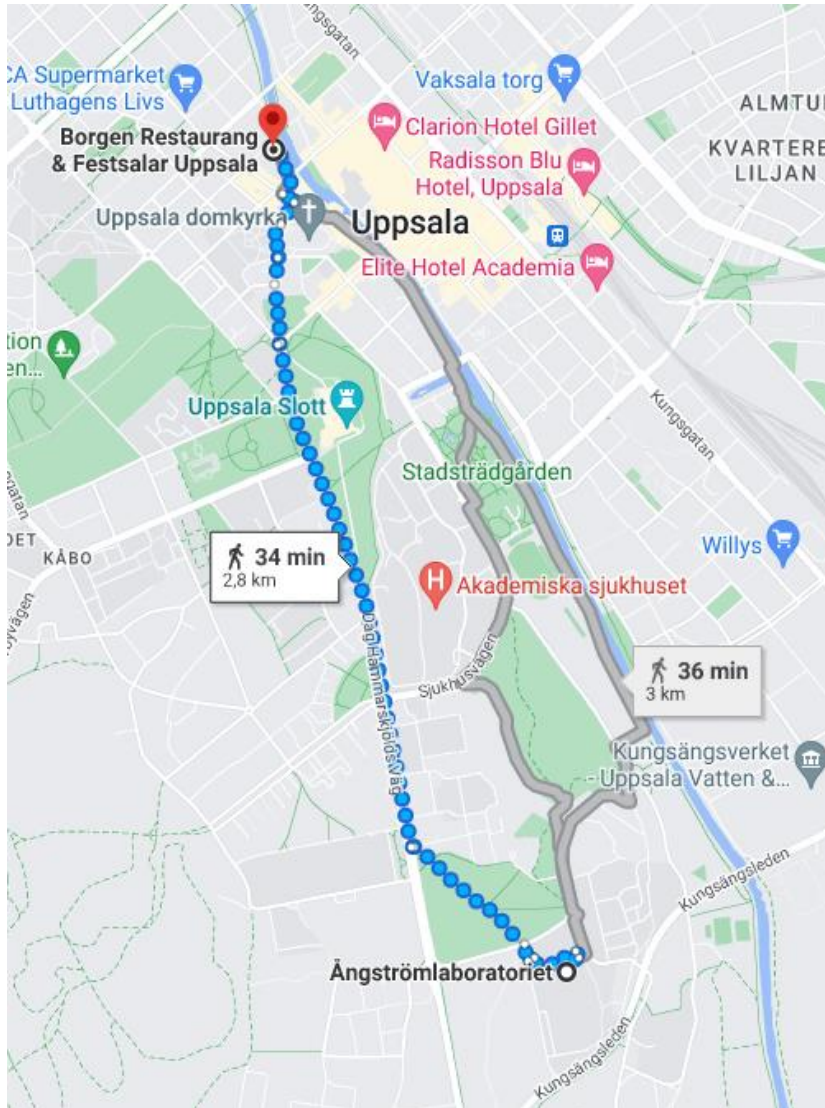
Rullan restaurant or Café Ångström

<https://www.matikum.se/>

<https://www.hors.se/uppsala/17/6/cafe-angstrom/>

Ground floor of the building





Borgen Restaurang & Festsalar
Orphei Drängars plats 1, 753 11 Uppsala

Welcome drink at 19:30

Allergies or vegetarians/vegans, please come
to me

<https://indico.cern.ch/event/1256286/page/28834-social-event>



- Accueil
- Ordre du jour
- Liste des contributions
- Inscription
- Videoconférence
- Registration Fee**
- Travel to Uppsala
- Accommodation
- Venue
- Network connection for your laptop
- Social event
- AWAKE website
- Contact/support**
- ✉ kevin.pepitone@physics...

Registration Fee

The following method of payment can be used:

Credit card payment

Please select "PostFinance CERN" in the payment method option. Depending on the credit card you will select, some bank charges will apply (2.5 % for payments by Visa or Mastercard).

Bank transfer

Bank Coordinates to be used:

UBS SA

Account: 0240-FP100541.3

IBAN : CH66 0024 0240 FP10 0541 3

SWIFT : UBSWCHZH80A

Account holder: CERN-CONFERENCES

References to be indicated : AWAKE - Code 10986 + participant name

Your payment should be free of charge for CERN.

Please contact Alexia
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