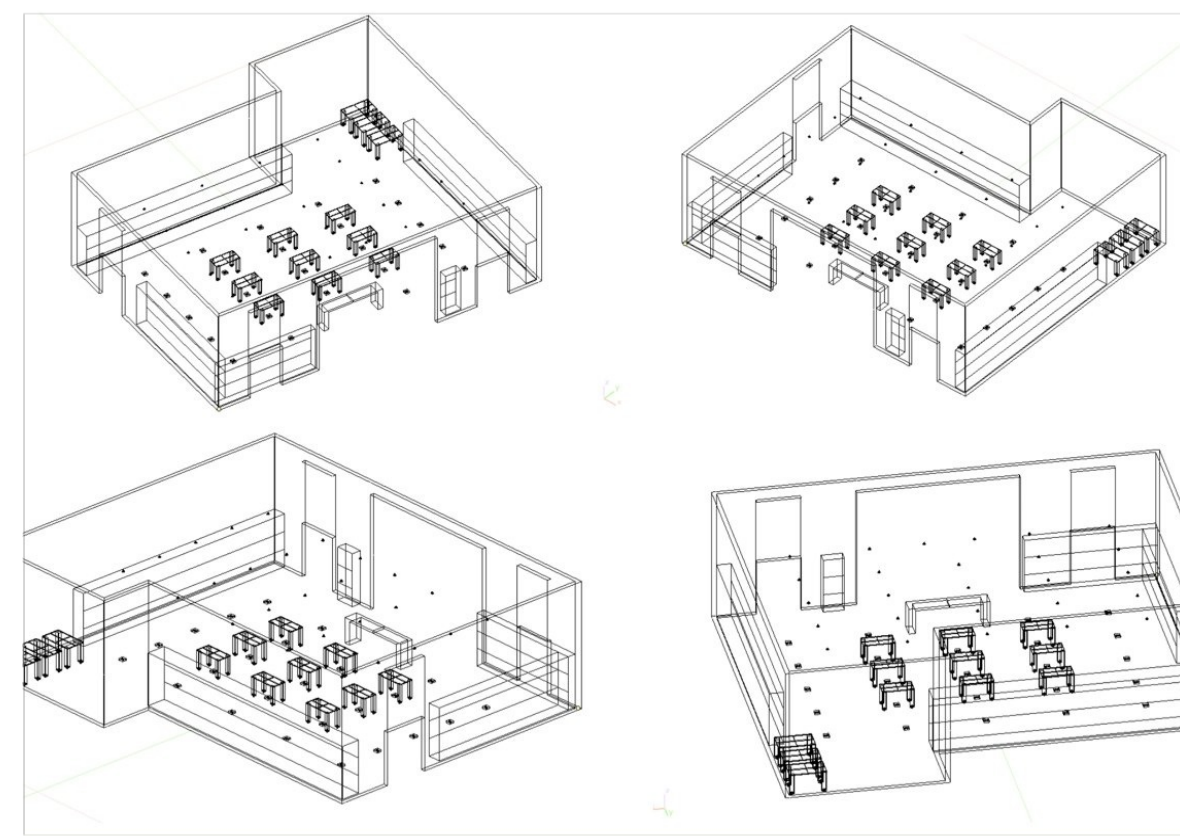
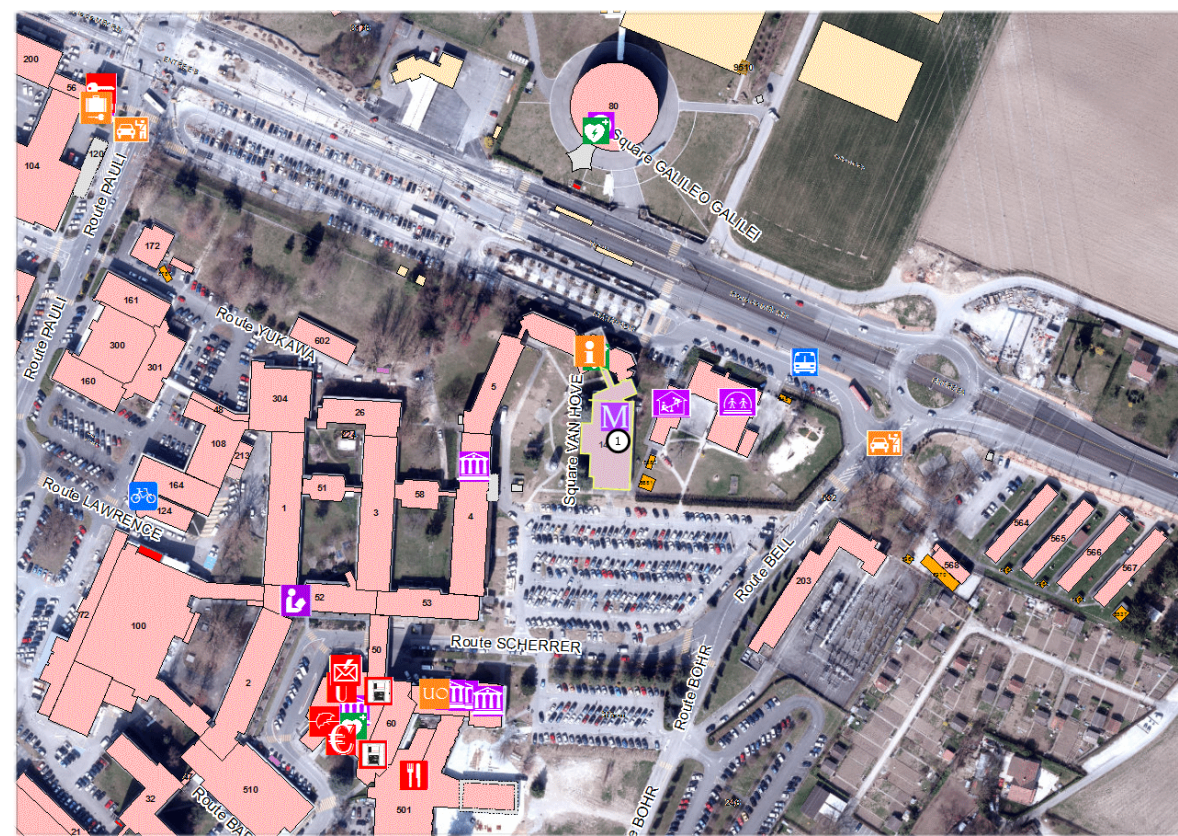


S'Cool  
LAB

S'Cool LAB

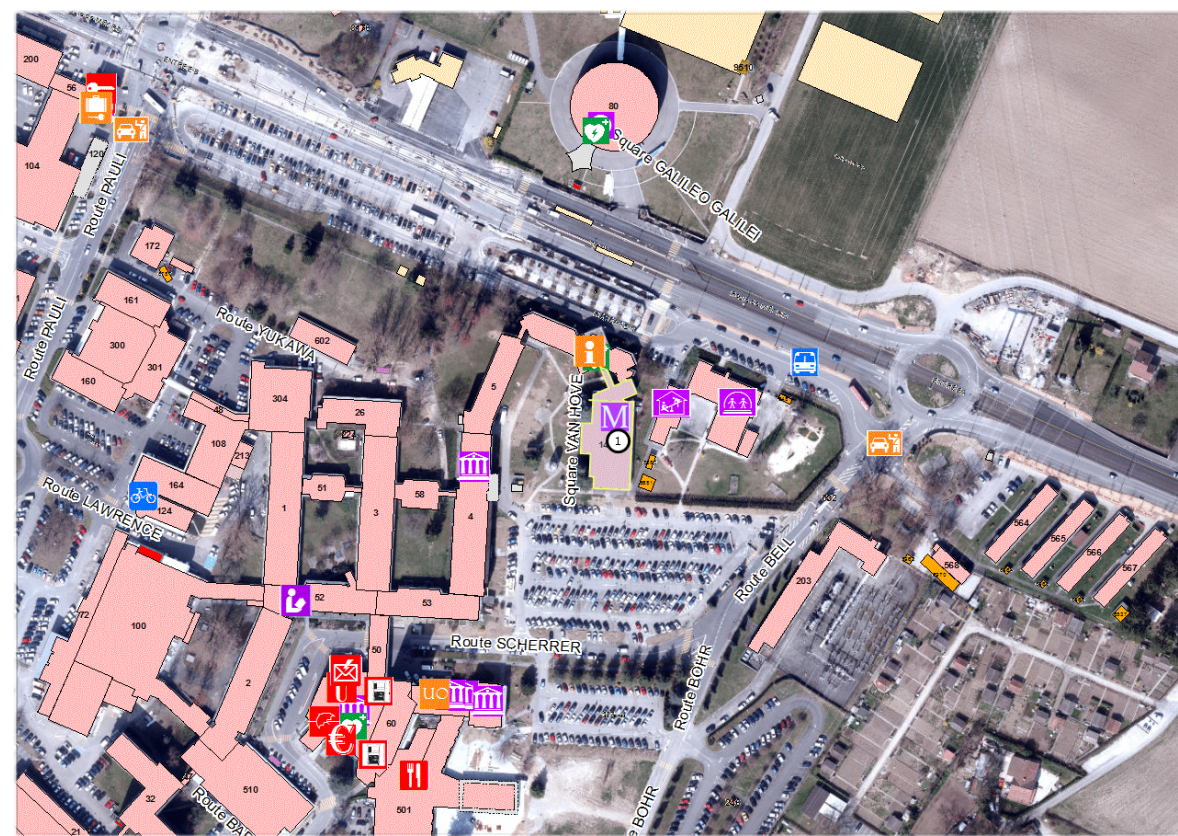
# CERN S'Cool LAB



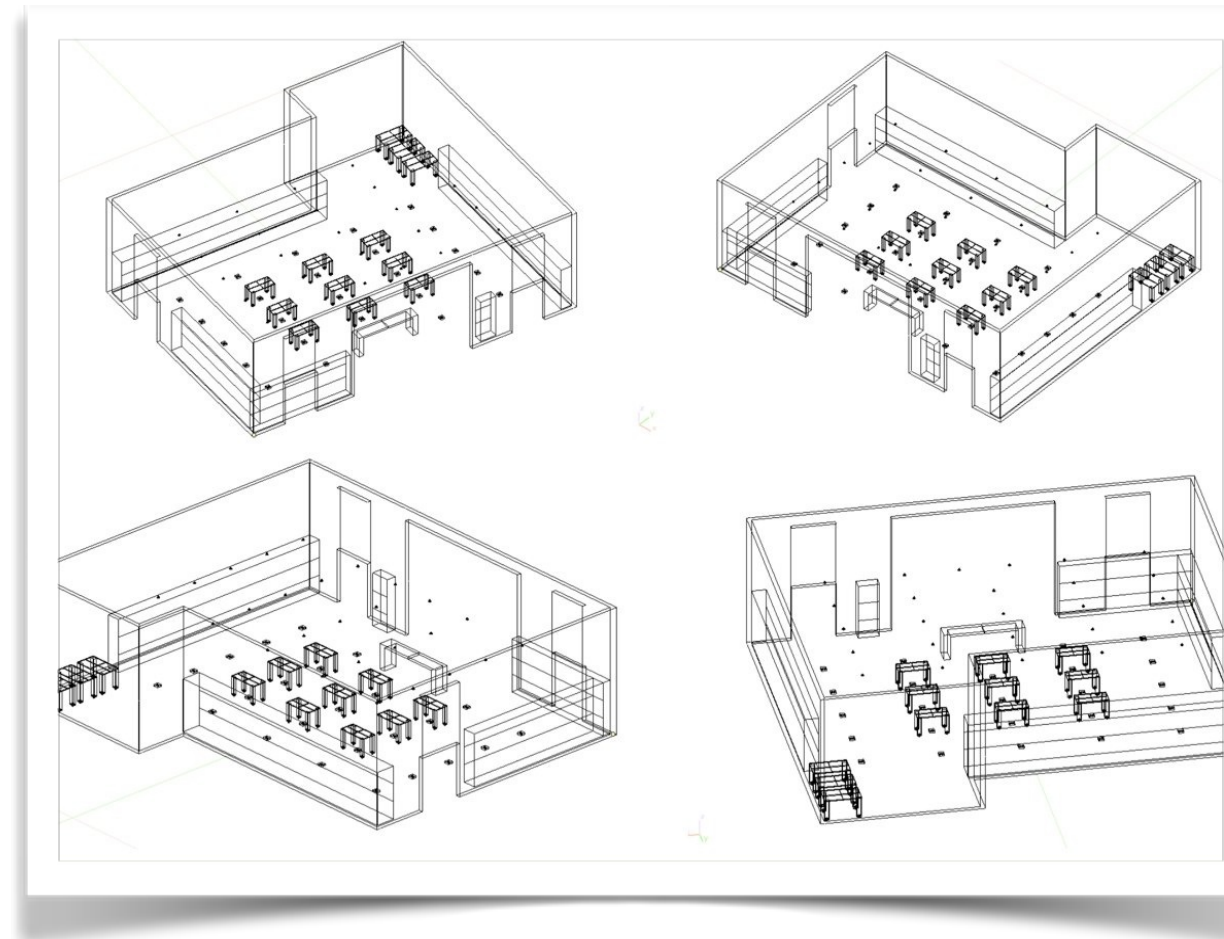
ion	Basic principles	Detect
ube	Hall-Effect	Cloud chamb
	Rutherford	Med
nductivity	Franck-Hertz	Cos
	Planck's constant	KamioKan
		Radioact

A row of five small images illustrating various scientific instruments and components. From left to right: a computer monitor displaying data, a tablet device, a circular detector component with numbered parts (1-12), and a detector assembly with numbered parts (1-12).

# CERN S'Cool LAB

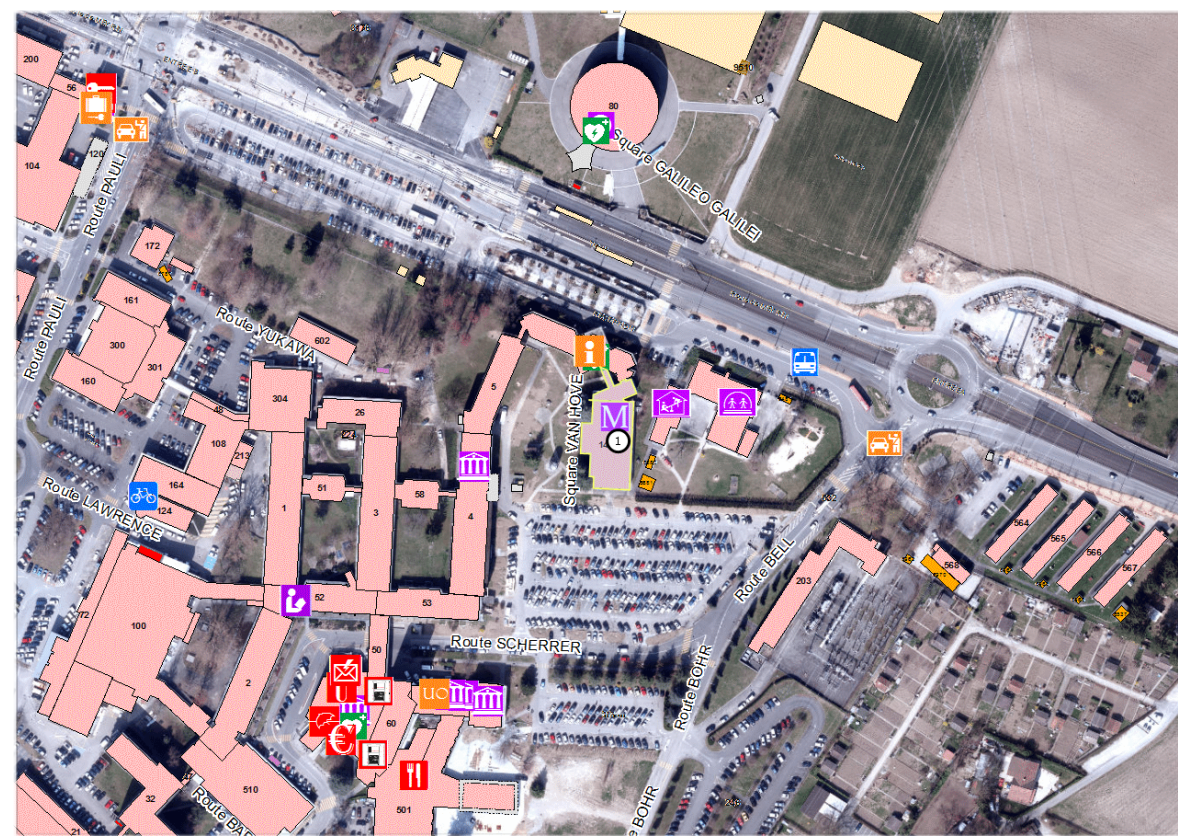


Where is it?

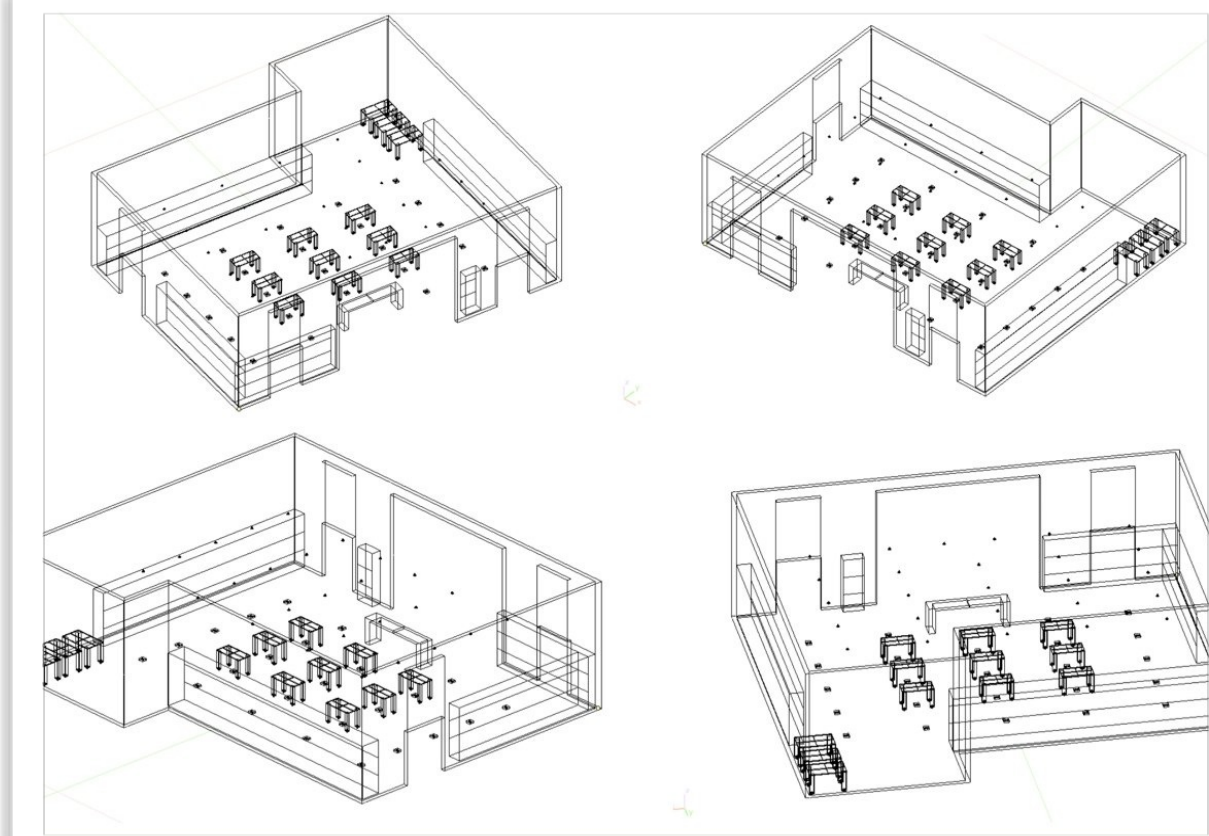


ion	Basic principles	Detec
ube	Hall-Effect	Cloud chamb
	Rutherford	Med
nductivity	Franck-Hertz	Cos
	Planck's constant	KamioKan
		Radioact

# CERN S'Cool LAB



Where is it?

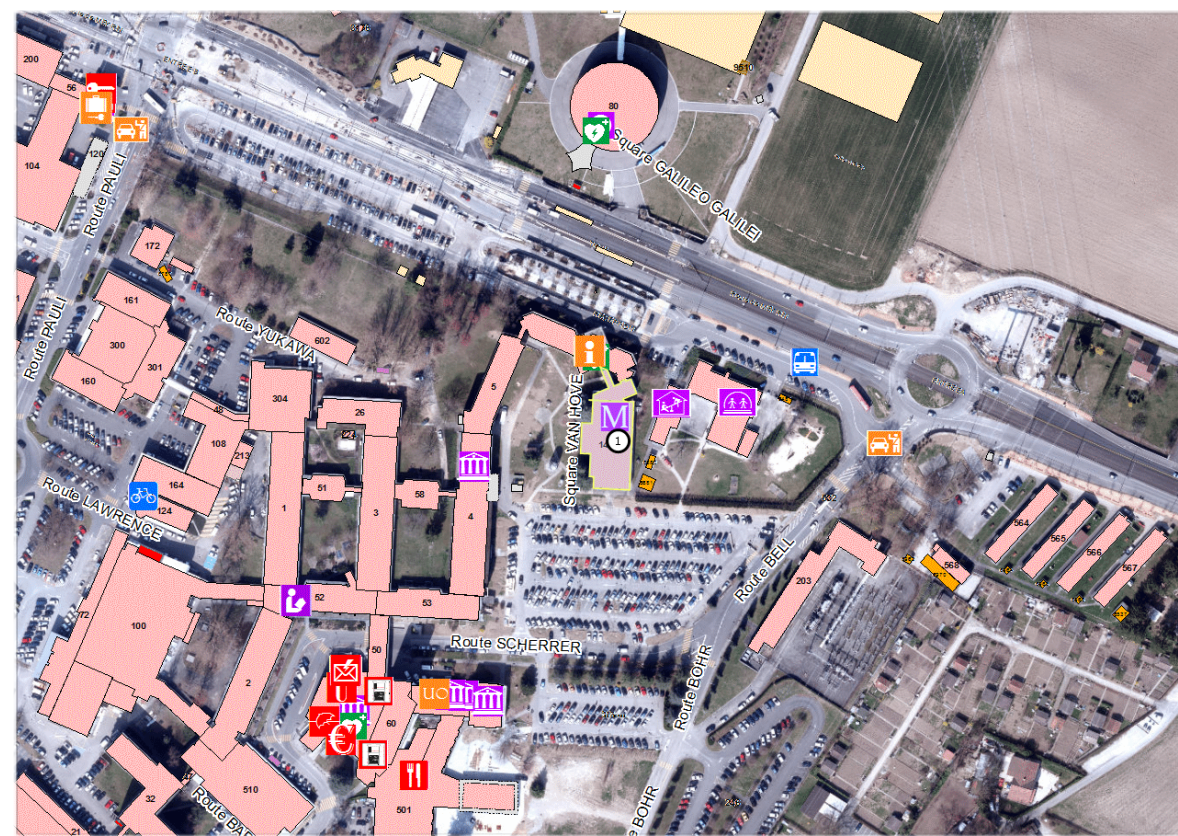


What is it?

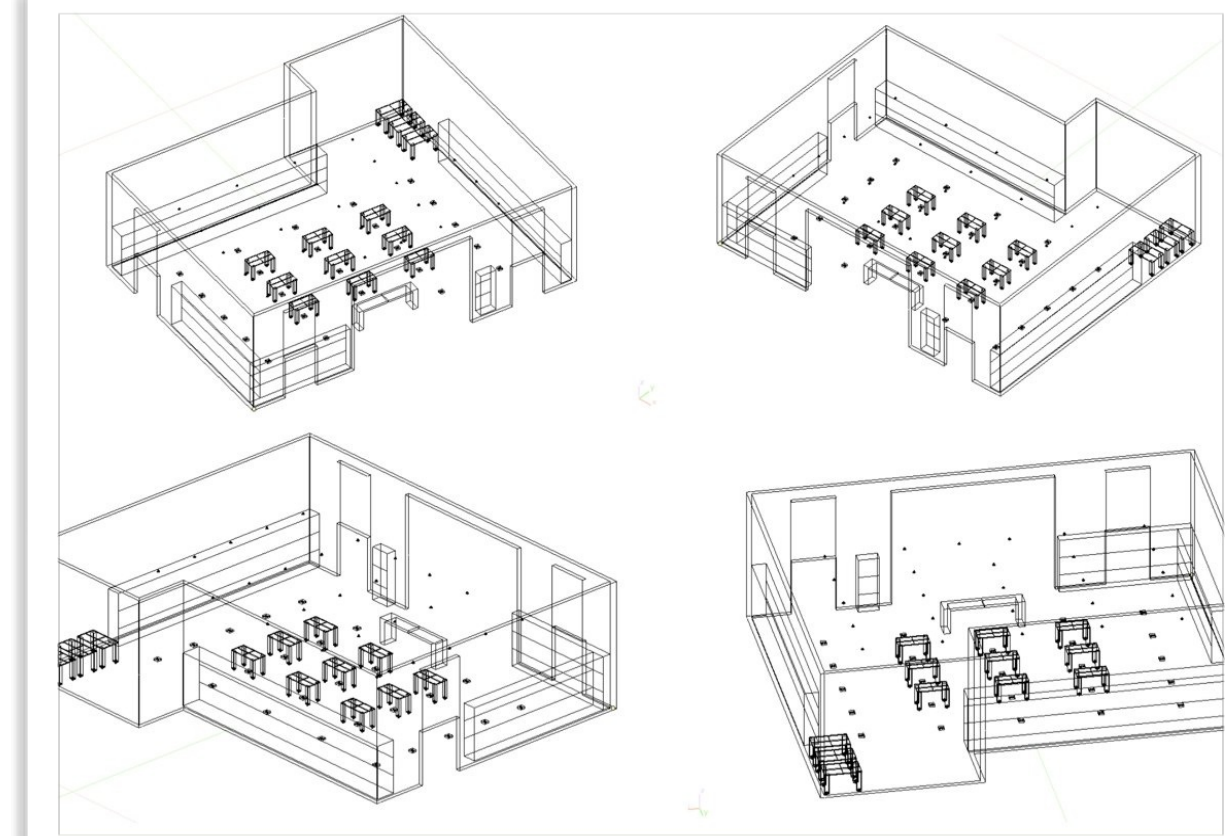
ion	Basic principles	Detec
ube	Hall-Effect	Cloud chamb
	Rutherford	Med
nductivity	Franck-Hertz	Cos
	Planck's constant	KamioKan
		Radioact

A row of five small images: a computer monitor, a smartphone, a circular detector component, and a detector assembly with numbered parts (1-12).

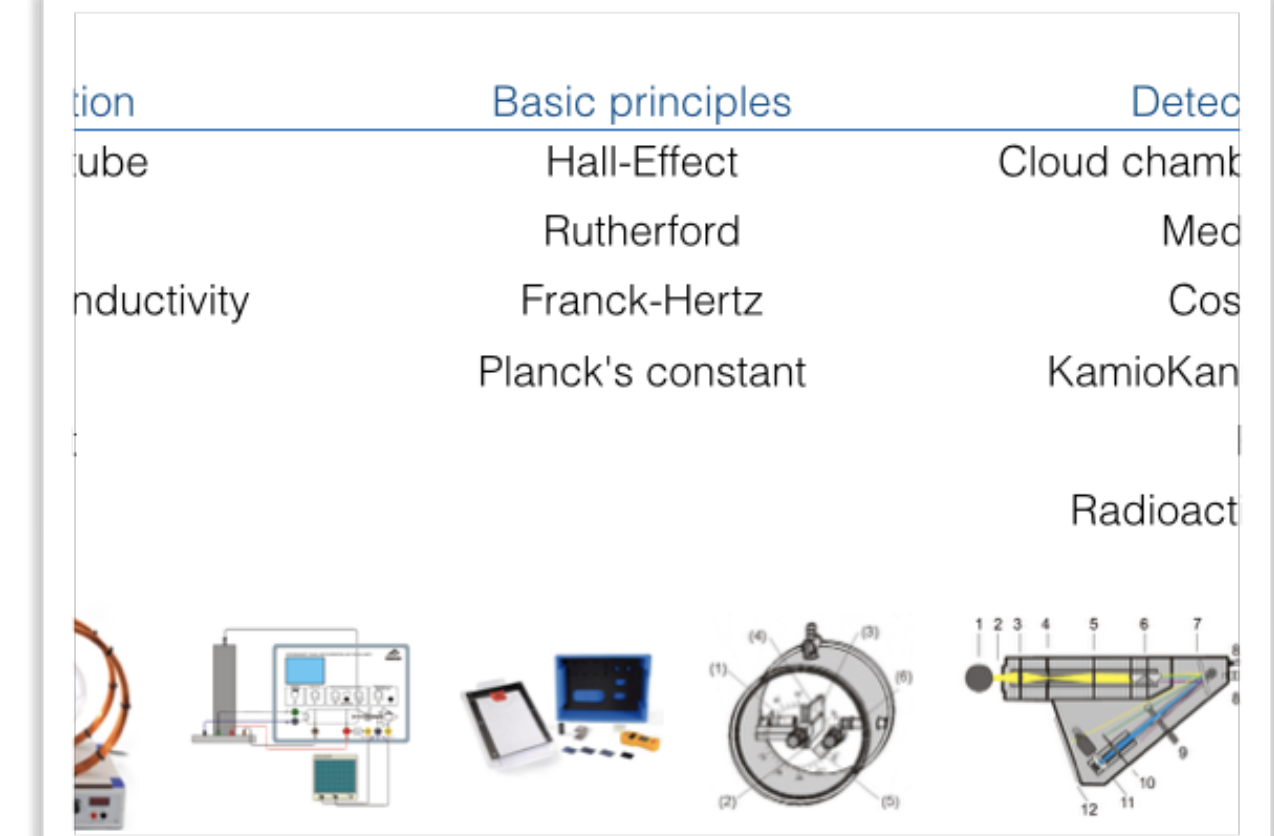
# CERN S'Cool LAB



Where is it?

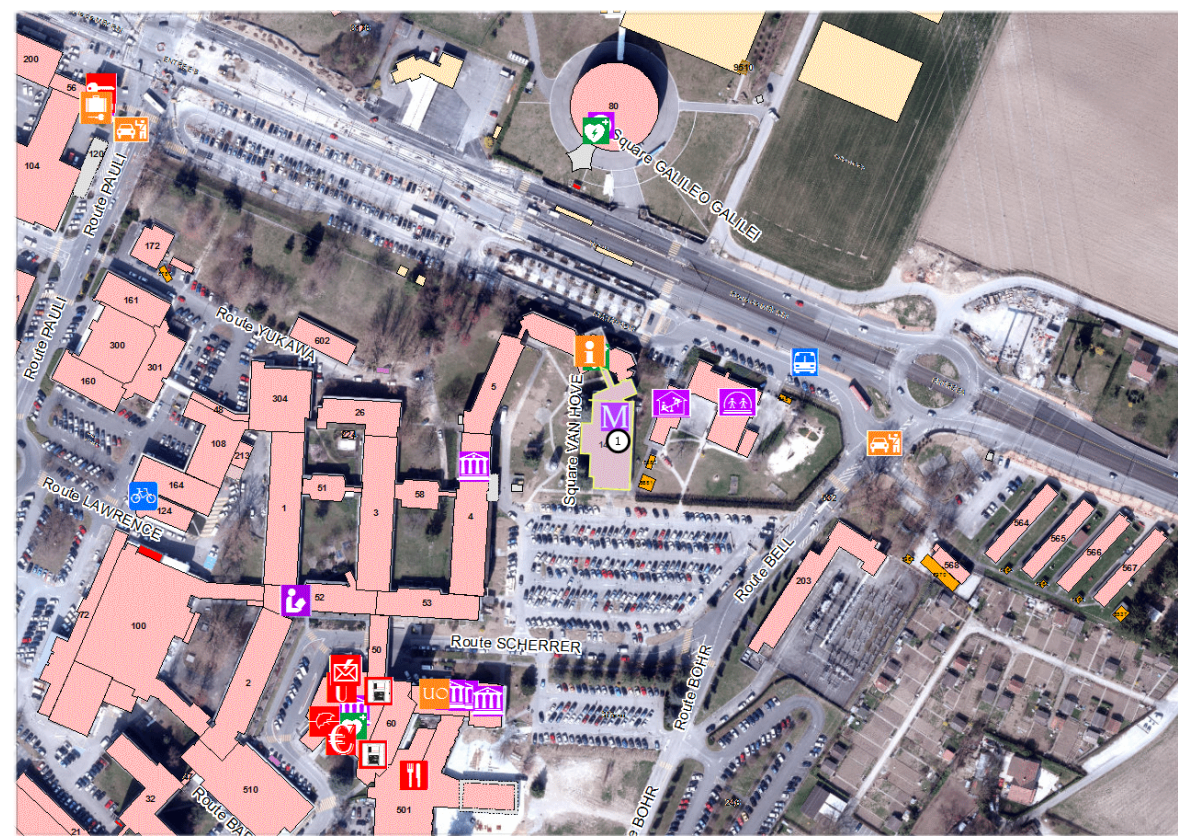


What is it?

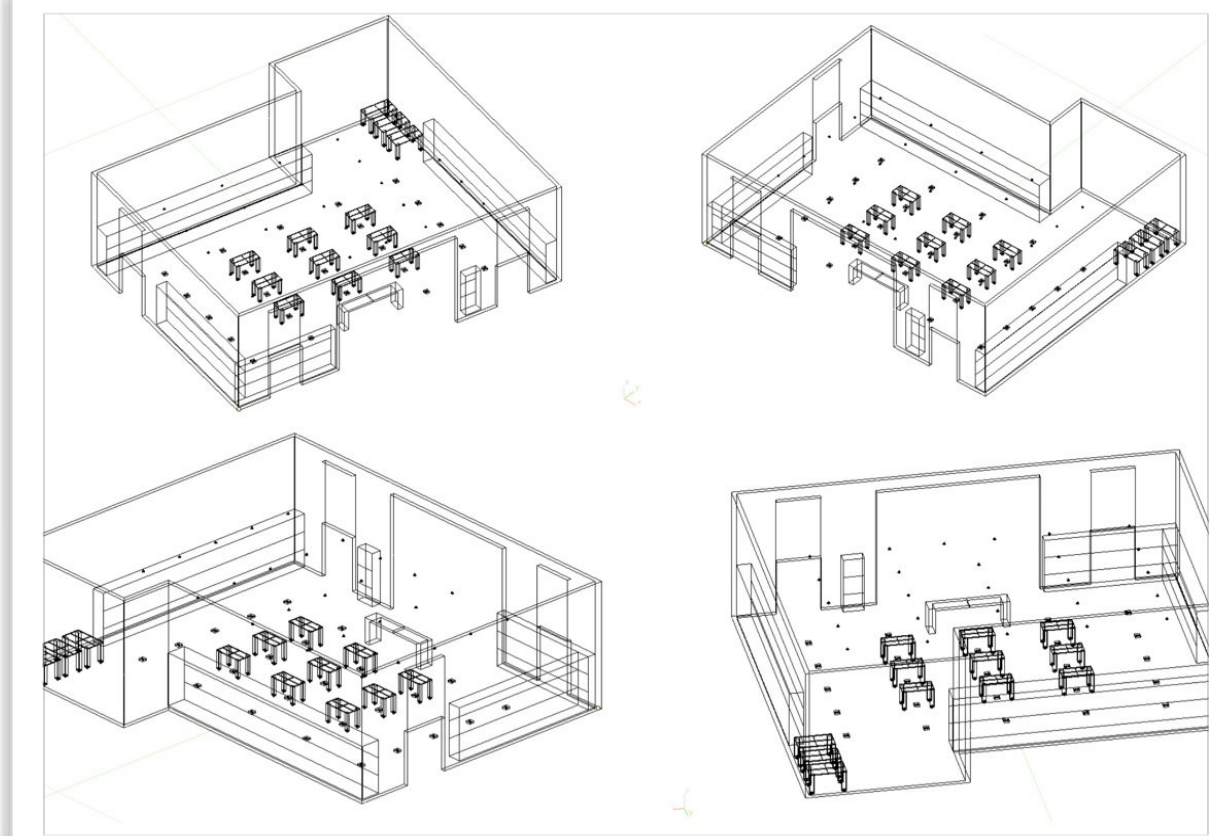


Why is it awesome?

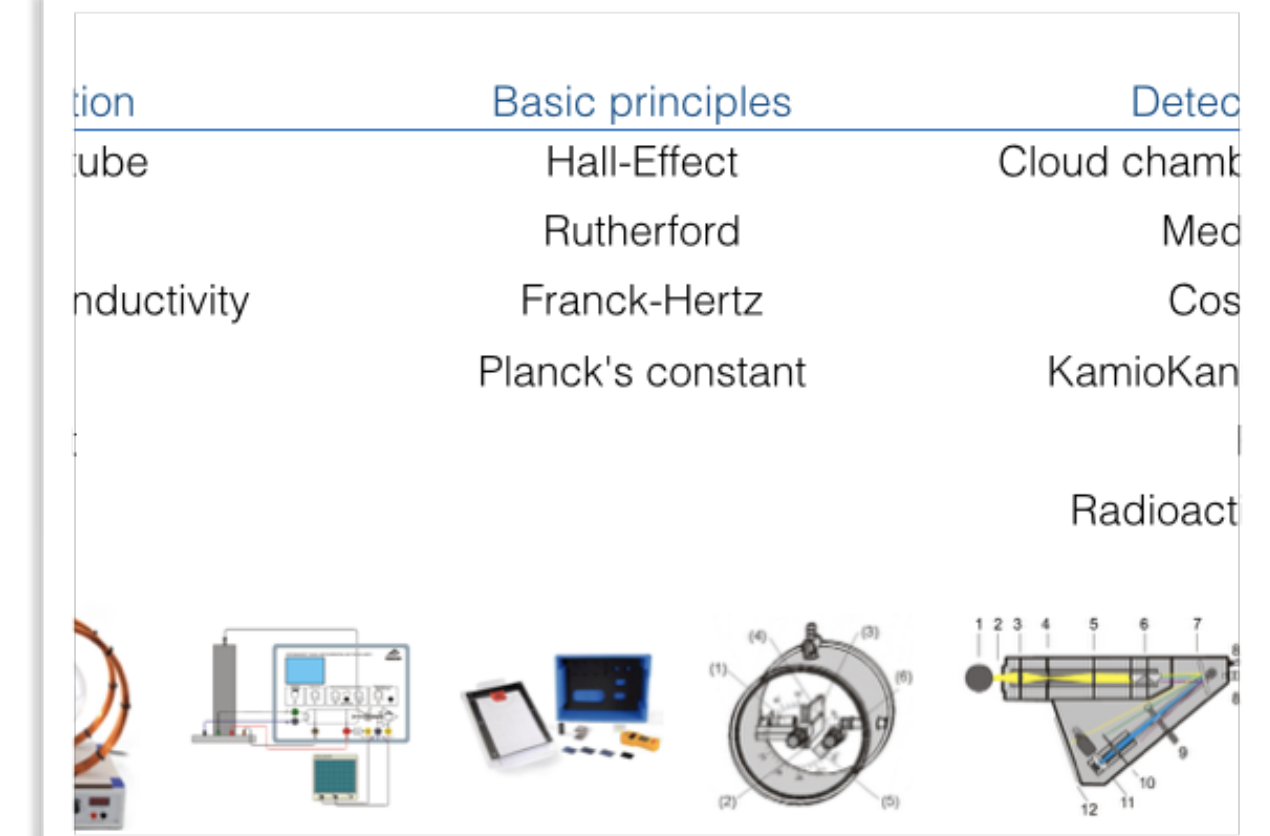
# CERN S'Cool LAB



Where is it?



What is it?

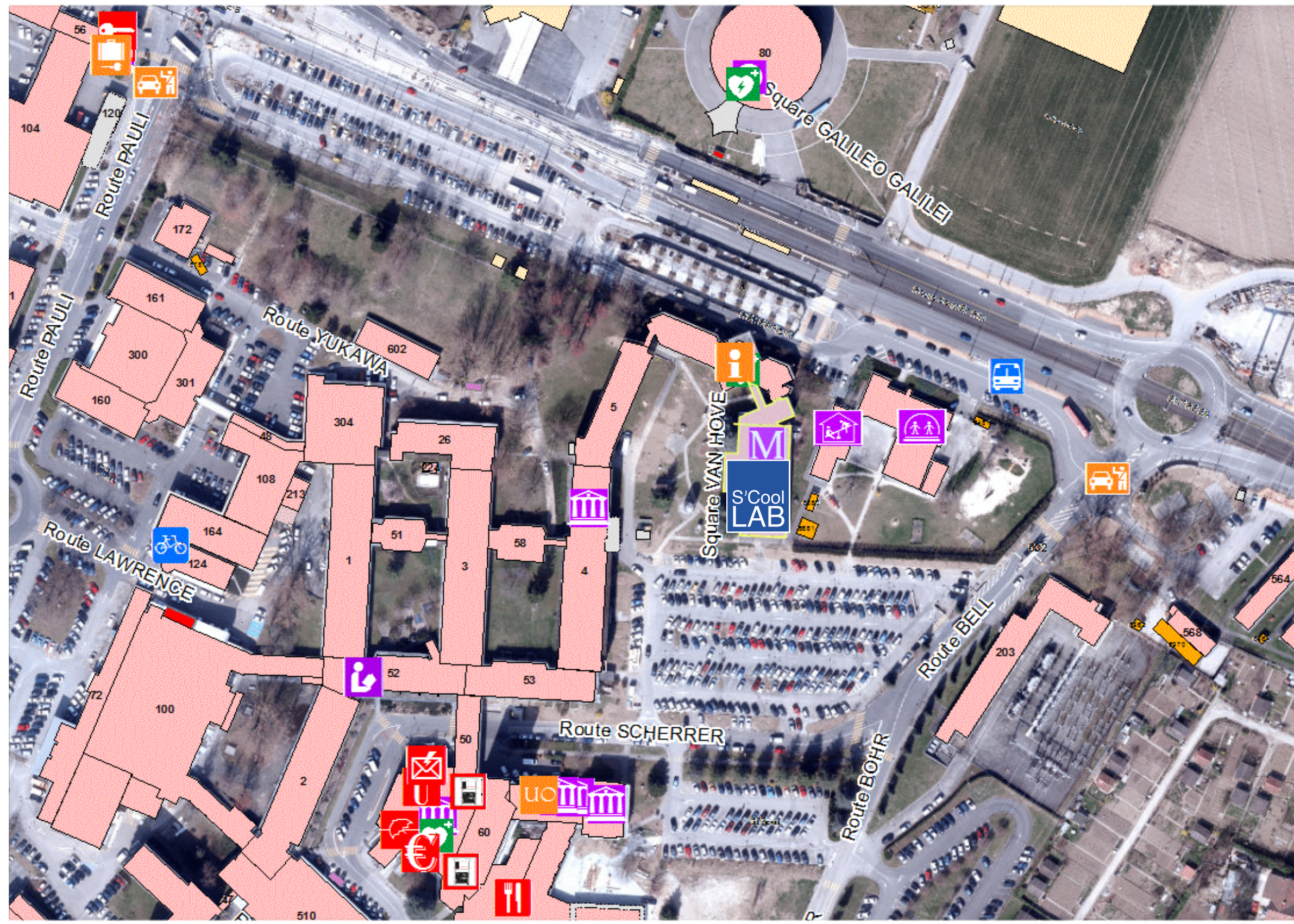


Why is it awesome?

How can it be used?

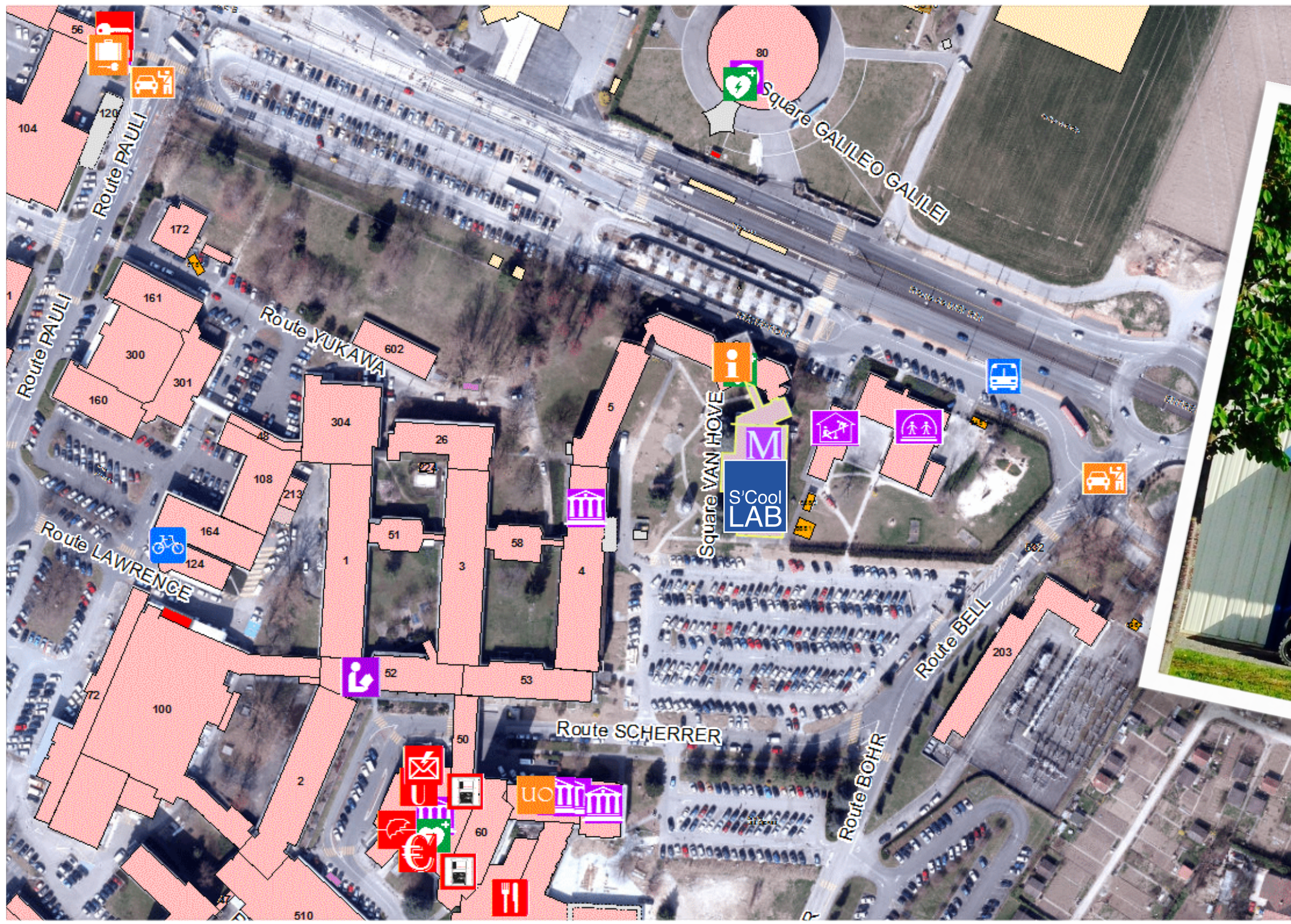
Where is it?

# Where is it?

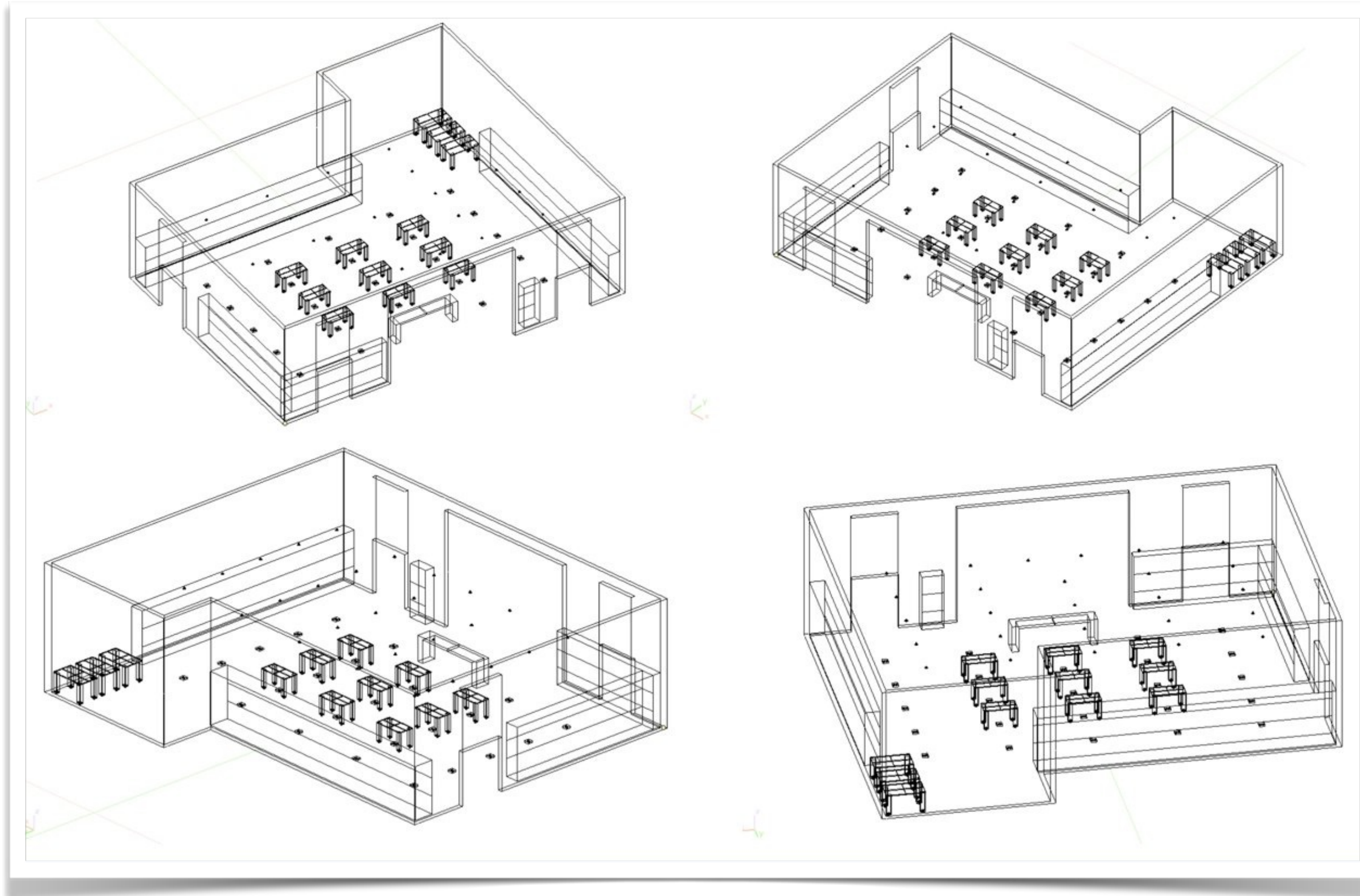




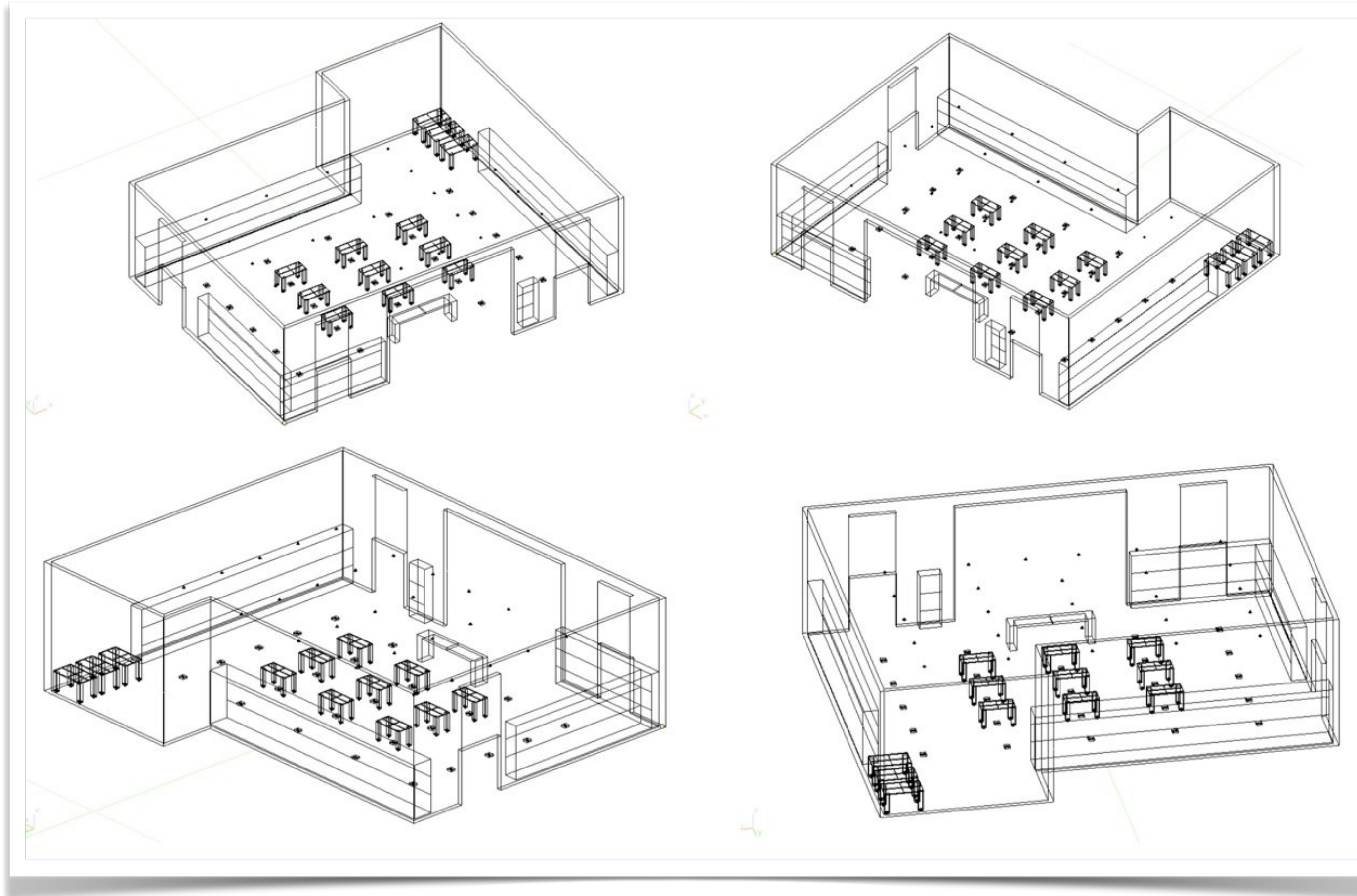
# Where is it?



# What is it?

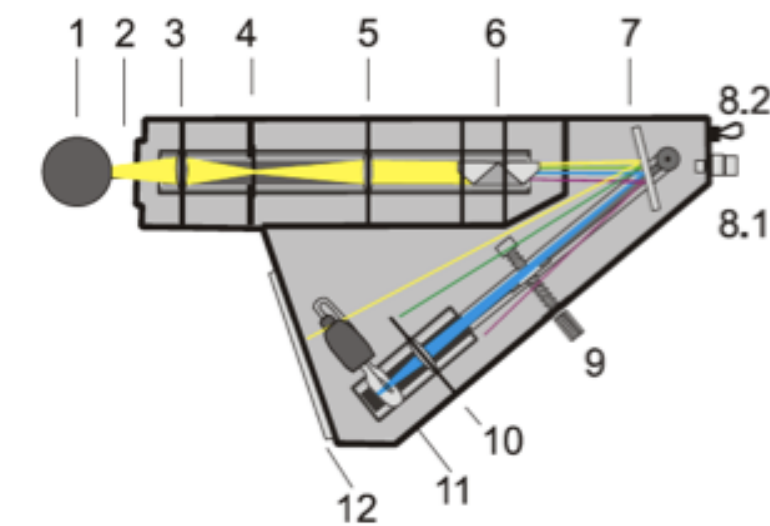
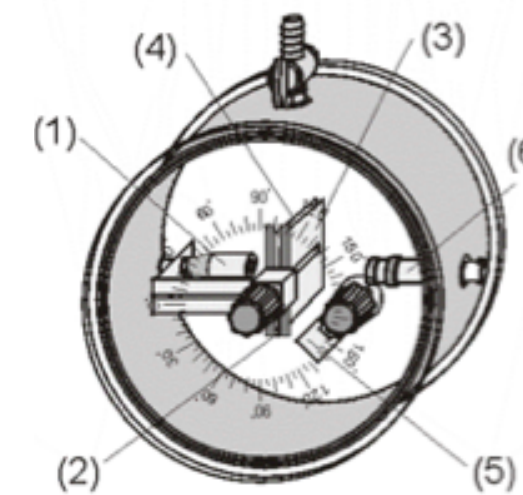
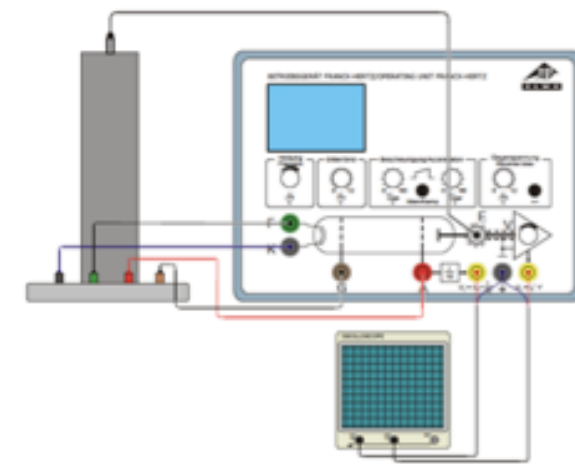
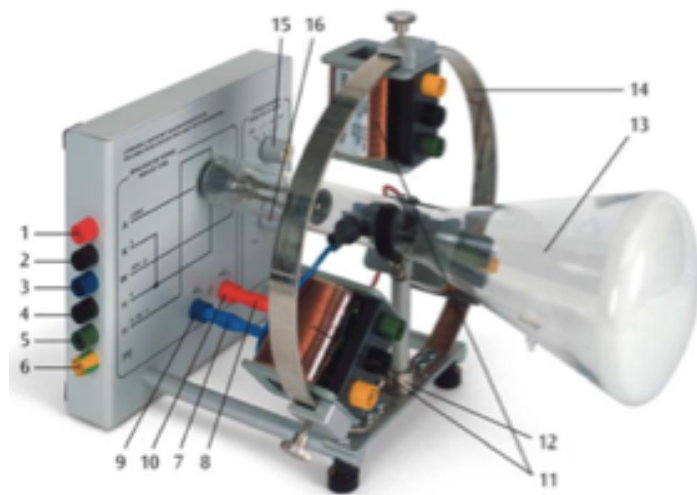


# What is it?



[👉 Let's have a look!](#)

# Why is it awesome?

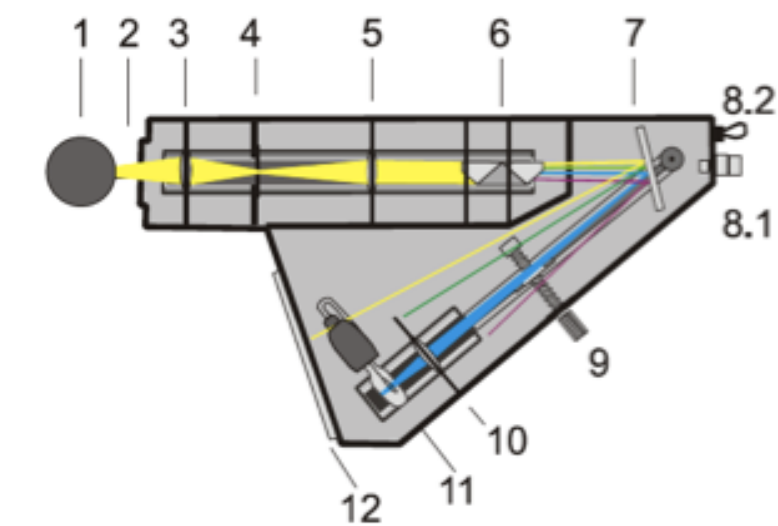
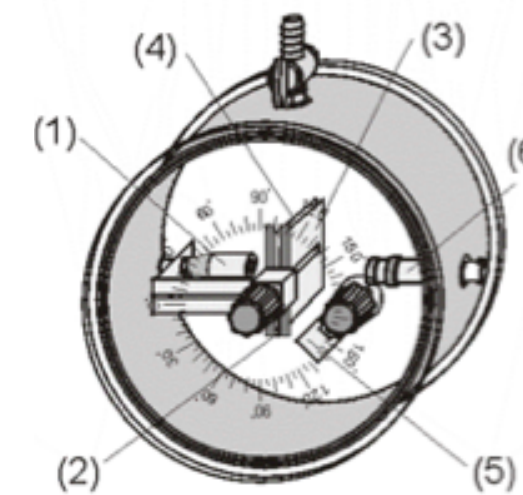
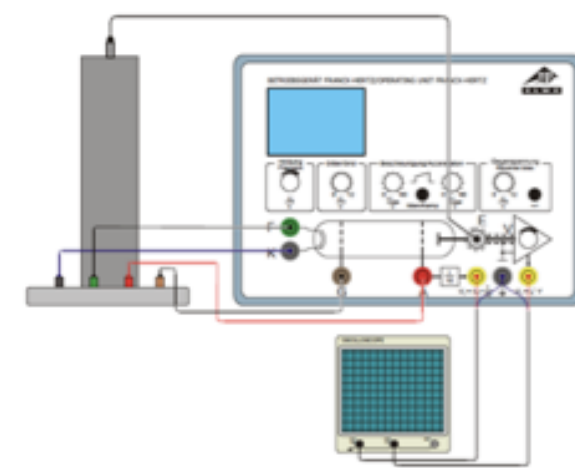
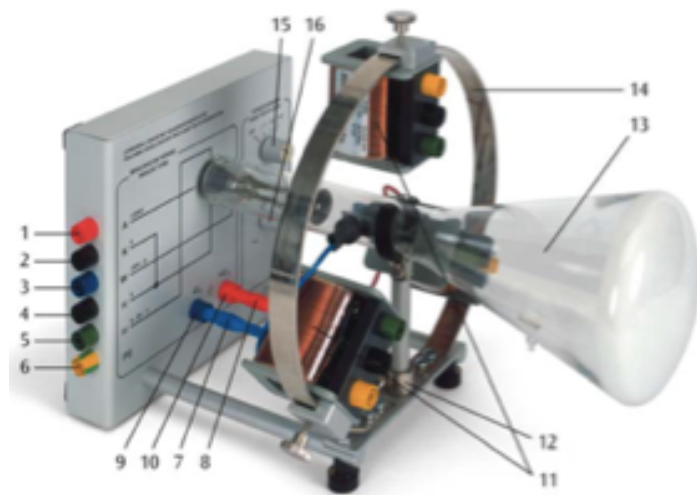


# Why is it awesome?

Acceleration

Basic principles

Detection



# Why is it awesome?

Acceleration

Basic principles

Detection

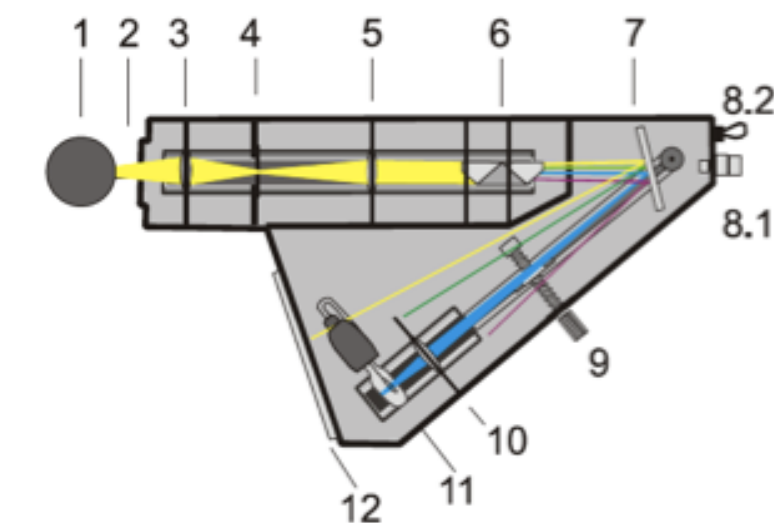
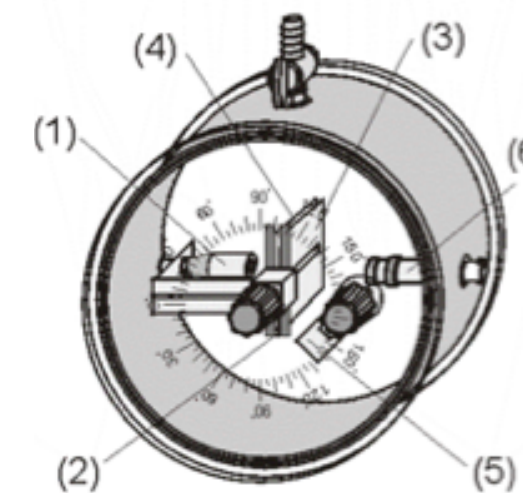
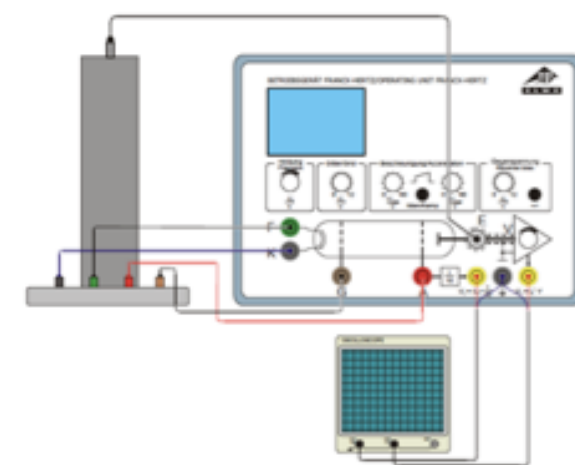
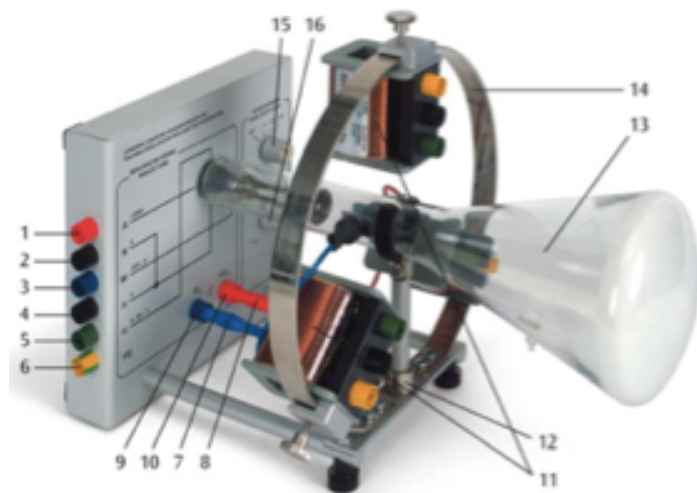
Electron tube

e/m

Super-conductivity

Paul trap

X-ray unit



# Why is it awesome?

## Acceleration

Electron tube

e/m

Super-conductivity

Paul trap

X-ray unit

## Basic principles

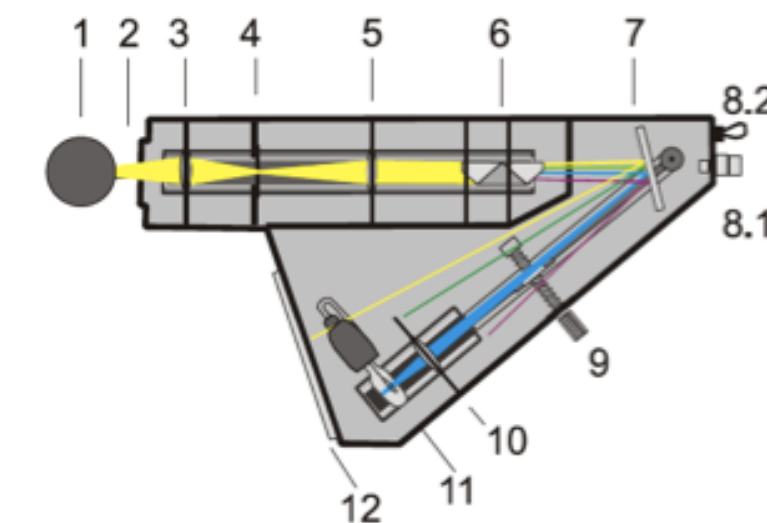
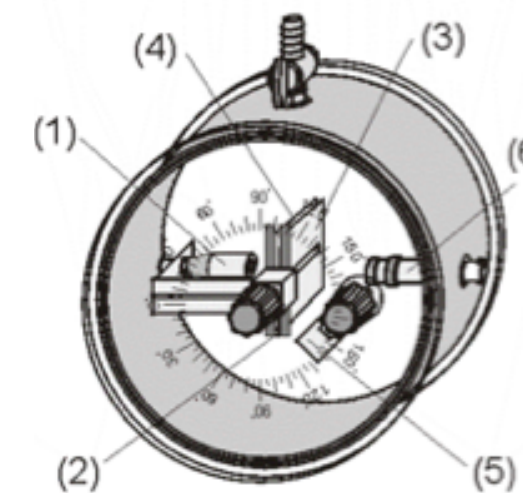
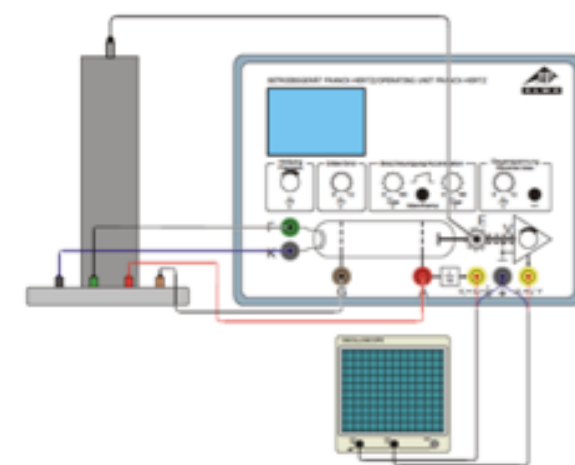
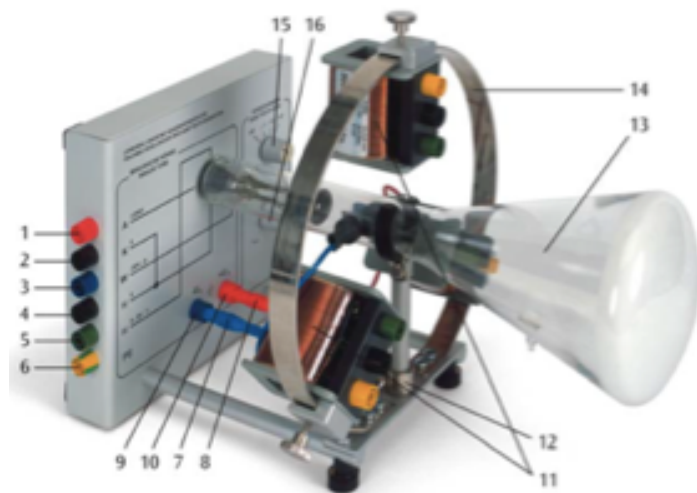
Hall-Effect

Rutherford

Franck-Hertz

Planck's constant

## Detection



# Why is it awesome?

## Acceleration

Electron tube

e/m

Super-conductivity

Paul trap

X-ray unit

## Basic principles

Hall-Effect

Rutherford

Franck-Hertz

Planck's constant

## Detection

Cloud chambers

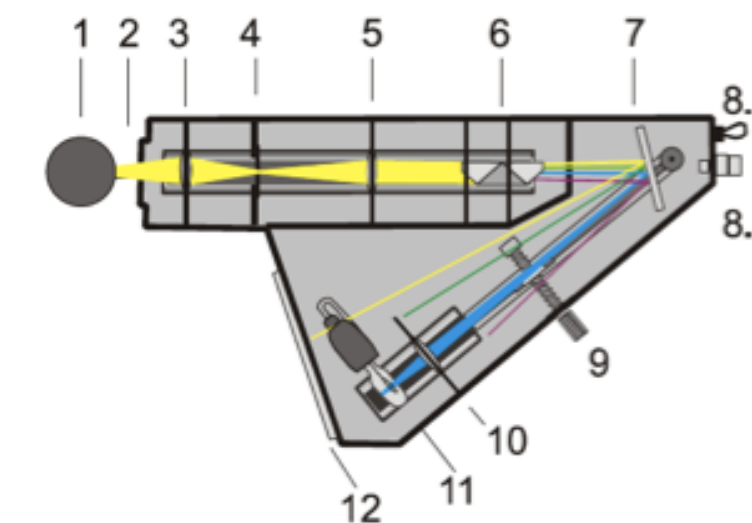
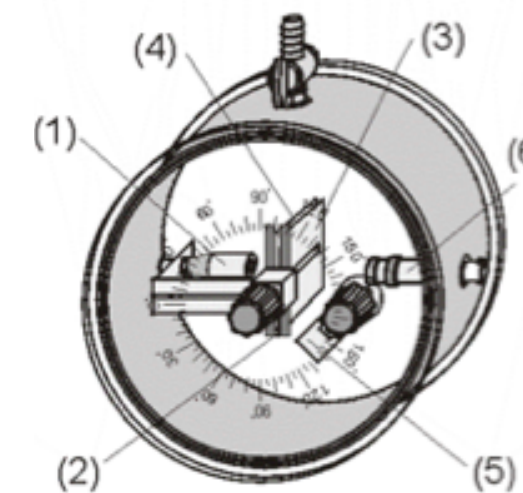
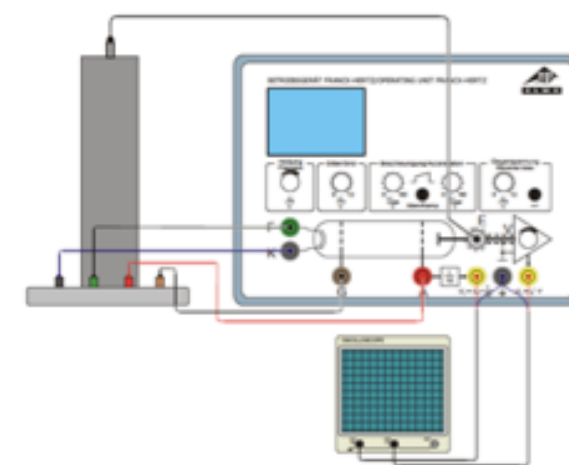
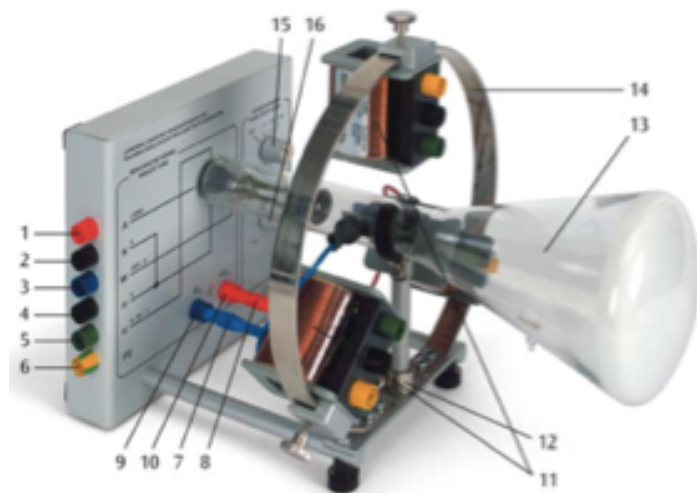
Medipix

CosMO

KamioKannen

PET

Radioactivity





# Why is it awesome?

## Acceleration

Electron tube

e/m

Super-conductivity

Paul trap

X-ray unit

## Basic principles

Hall-Effect

Rutherford

Franck-Hertz

Planck's constant

## Detection

Cloud chambers

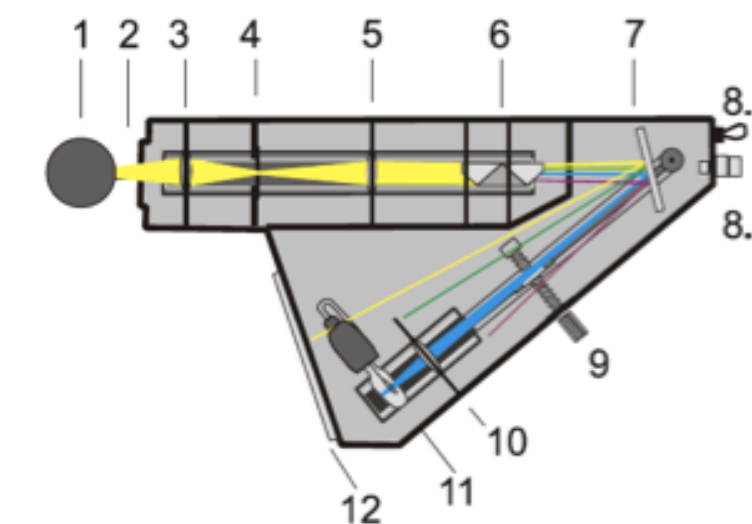
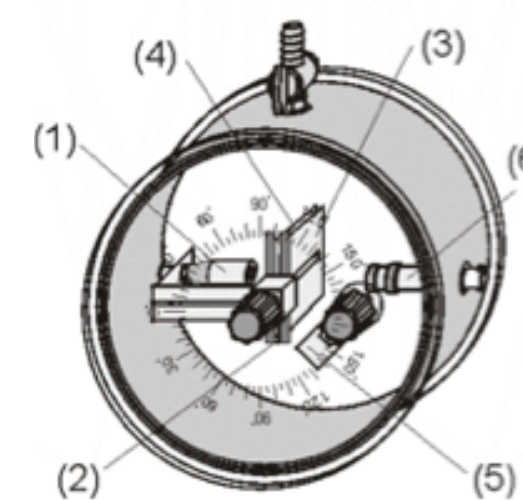
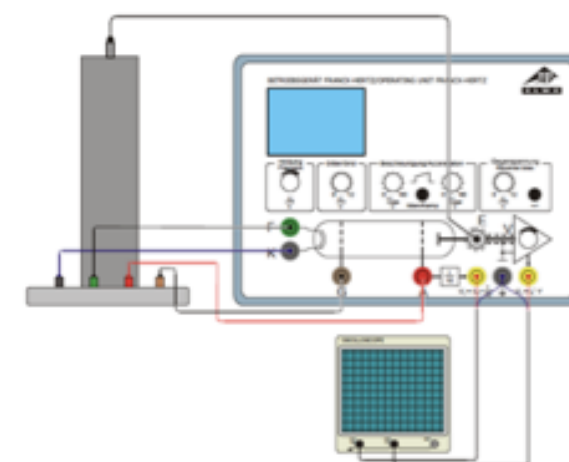
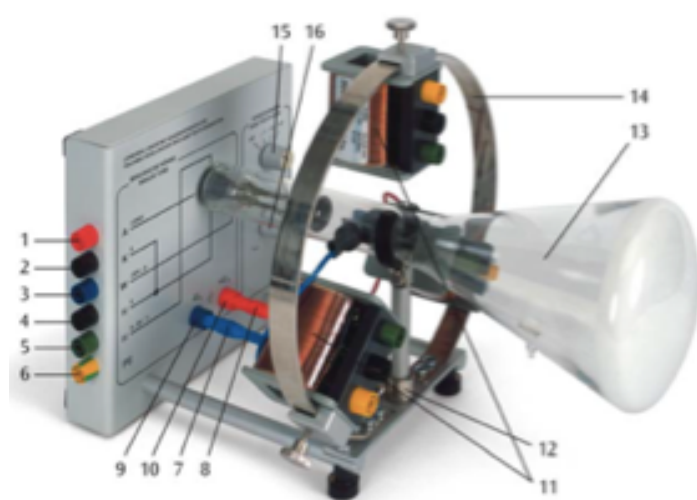
Medipix

CosMO

KamioKannen

PET

Radioactivity



How can it be used?



# How can it be used?

- For now: Cloud Chamber Workshops



# How can it be used?

- For now: Cloud Chamber Workshops
- Contact Konrad Jende asap



# How can it be used?

- For now: Cloud Chamber Workshops
- Contact Konrad Jende asap
- Organize translation if needed



[Awakening the potential of plasma acceleration](#)

[Safety on our roads](#)

[LS1 Report: A highly choreographed ballet in the SPS](#)

[An iron hand in a velvet glove](#)

[Ready to don a white coat? !\[\]\(d5d7044e5caf6907399af2dced8d6ff8\_img.jpg\)](#)

[First beam in Linac4 DTL](#)

[Discover POPSCIENCE on Researchers' Night](#)

---

[Behind the scenes of GS: security affects us all](#)

[Computer Security: Thirty years since "1984" - How close was Orwell to today's interconnected world?](#)

 [Subscribe by RSS](#)

 [Subscribe by RSS for this category only](#)

## READY TO DON A WHITE COAT?

What better way to learn than to try yourself? That's the idea of S'Cool LAB, a new teaching laboratory: it offers school-children visiting CERN the chance to take part in a half-day practical workshop in a purpose-equipped lab.

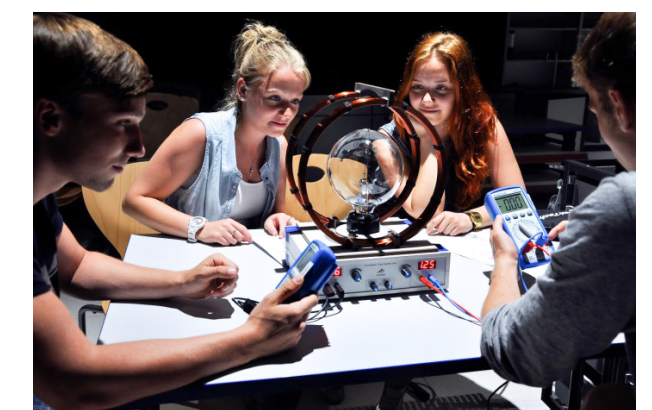


*S'Cool LAB's first pupils testing the new laboratory. Photo: Jeff Wiener.*

S'Cool LAB, which originated from an idea first suggested about 15 years ago, was launched on 3 July and will start to welcome pupils by early 2015. "This new lab is housed in the lower part of Microcosm, where the UA1\* experiment detector was previously on display," explains Jeff Wiener, who led the project to set up S'Cool LAB at the same time as completing his thesis in the field of education. "It's now known as Building 143-R-003. For more than a year now, we've

been putting up dividing walls to separate the lab from the rest of Microcosm, and we've fitted it with a smart floor (with electrical and internet sockets in several places), numerous storage units, a giant screen, a bookshelf and 12 adaptable work-stations." With a surface area of almost 200 m<sup>2</sup>, S'Cool LAB is now ready to host up to 36 young people and their teachers.

"We started testing the S'Cool LAB concept as early as 2010," says Sascha Schmeling, who came up with the idea for the project. "But without a dedicated lab, the conditions weren't ideal for receiving pupils visiting CERN." With around 15 experiments already, covering three areas of experimental physics (basic principles, acceleration and detection), S'Cool LAB takes practical workshops up a gear. Some of the more notable experimental devices on offer include electron tubes, Paul ion traps, X-ray machines, Rutherford experiments, MediPix detection systems and even a modern cloud chamber... enough to satisfy even the biggest appetites! "We have three of each of these experiments," says Iulia Woithe, who's



*A fine beam tube, one of the many experiments featured in S'Cool LAB.*

# S'Cool LAB is looking for activity leaders!

[Awakening the potential of plasma acceleration](#)

[Safety on our roads](#)

[LS1 Report: A highly choreographed ballet in the SPS](#)

[An iron hand in a velvet glove](#)

[Ready to don a white coat? !\[\]\(d0262bbe9d2356661a2e89321dfcc781\_img.jpg\)](#)

[First beam in Linac4 DTL](#)

[Discover POPSCIENCE on Researchers' Night](#)

[Behind the scenes of GS: security affects us all](#)

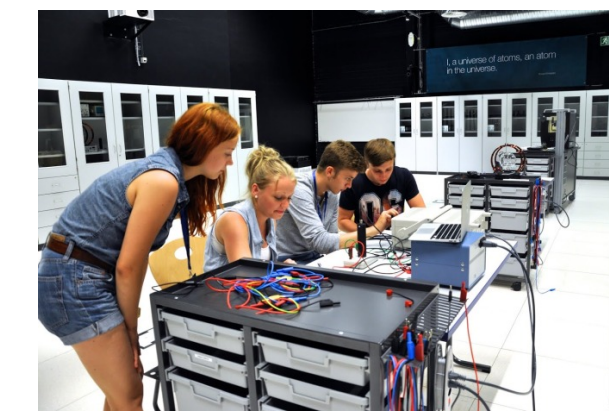
[Computer Security: Thirty years since "1984" - How close was Orwell to today's interconnected world?](#)

 [Subscribe by RSS](#)

 [Subscribe by RSS for this category only](#)

## READY TO DON A WHITE COAT?

What better way to learn than to try yourself? That's the idea of S'Cool LAB, a new teaching laboratory: it offers school-children visiting CERN the chance to take part in a half-day practical workshop in a purpose-equipped lab.



*S'Cool LAB's first pupils testing the new laboratory. Photo: Jeff Wiener.*

S'Cool LAB, which originated from an idea first suggested about 15 years ago, was launched on 3 July and will start to welcome pupils by early 2015. "This new lab is housed in the lower part of Microcosm, where the UA1\* experiment detector was previously on display," explains Jeff Wiener, who led the project to set up S'Cool LAB at the same time as completing his thesis in the field of education. "It's now known as Building 143-R-003. For more than a year now, we've

been putting up dividing walls to separate the lab from the rest of Microcosm, and we've fitted it with a smart floor (with electrical and internet sockets in several places), numerous storage units, a giant screen, a bookshelf and 12 adaptable work-stations." With a surface area of almost 200 m<sup>2</sup>, S'Cool LAB is now ready to host up to 36 young people and their teachers.

"We started testing the S'Cool LAB concept as early as 2010," says Sascha Schmeling, who came up with the idea for the project. "But without a dedicated lab, the conditions weren't ideal for receiving pupils visiting CERN." With around 15 experiments already, covering three areas of experimental physics (basic principles, acceleration and detection), S'Cool LAB takes practical workshops up a gear. Some of the more notable experimental devices on offer include electron tubes, Paul ion traps, X-ray machines, Rutherford experiments, MediPix detection systems and even a modern cloud chamber... enough to satisfy even the biggest appetites! "We have three of each of these experiments," says Iulia Woithe, who's



*A fine beam tube, one of the many experiments featured in S'Cool LAB.*

# S'Cool LAB is looking for activity leaders!

Are you a member of the CERN  
personnel and would you like to host  
S'Cool LAB's practical workshops?

Contact the team at  
[scoollab-admin@cern.ch](mailto:scoollab-admin@cern.ch)

[Awakening the potential of plasma acceleration](#)

[Safety on our roads](#)

[LS1 Report: A highly choreographed ballet in the SPS](#)

[An iron hand in a velvet glove](#)

[Ready to don a white coat? !\[\]\(4688aadfd656ded00cd6bdfae55089a9\_img.jpg\)](#)

[First beam in Linac4 DTL](#)

[Discover POPSCIENCE on Researchers' Night](#)

[Behind the scenes of GS: security affects us all](#)

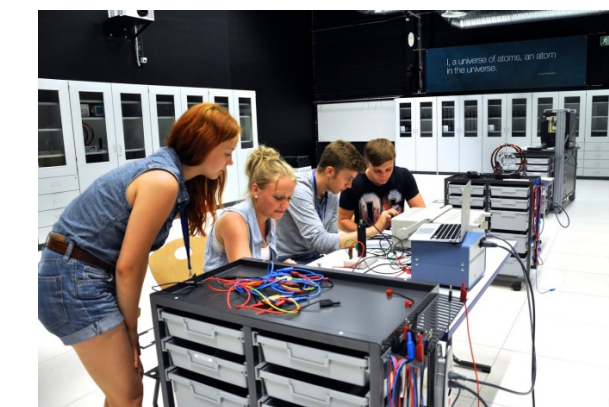
[Computer Security: Thirty years since "1984" - How close was Orwell to today's interconnected world?](#)

[Subscribe by RSS](#)

[Subscribe by RSS for this category only](#)

## READY TO DON A WHITE COAT?

What better way to learn than to try yourself? That's the idea of S'Cool LAB, a new teaching laboratory: it offers school-children visiting CERN the chance to take part in a half-day practical workshop in a purpose-equipped lab.



*S'Cool LAB's first pupils testing the new laboratory. Photo: Jeff Wiener.*

S'Cool LAB, which originated from an idea first suggested about 15 years ago, was launched on 3 July and will start to welcome pupils by early 2015. "This new lab is housed in the lower part of Microcosm, where the UA1\* experiment detector was previously on display," explains Jeff Wiener, who led the project to set up S'Cool LAB at the same time as completing his thesis in the field of education. "It's now known as Building 143-R-003. For more than a year now, we've

been putting up dividing walls to separate the lab from the rest of Microcosm, and we've fitted it with a smart floor (with electrical and internet sockets in several places), numerous storage units, a giant screen, a bookshelf and 12 adaptable work-stations." With a surface area of almost 200 m<sup>2</sup>, S'Cool LAB is now ready to host up to 36 young people and their teachers.

"We started testing the S'Cool LAB concept as early as 2010," says Sascha Schmeling, who came up with the idea for the project. "But without a dedicated lab, the conditions weren't ideal for receiving pupils visiting CERN." With around 15 experiments already, covering three areas of experimental physics (basic principles, acceleration and detection), S'Cool LAB takes practical workshops up a gear. Some of the more notable experimental devices on offer include electron tubes, Paul ion traps, X-ray machines, Rutherford experiments, MediPix detection systems and even a modern cloud chamber... enough to satisfy even the biggest appetites! "We have three of each of these experiments," says Iulia Woithe, who's



*A fine beam tube, one of the many experiments featured in S'Cool LAB.*