



Opportunities at the cutting edge of technology

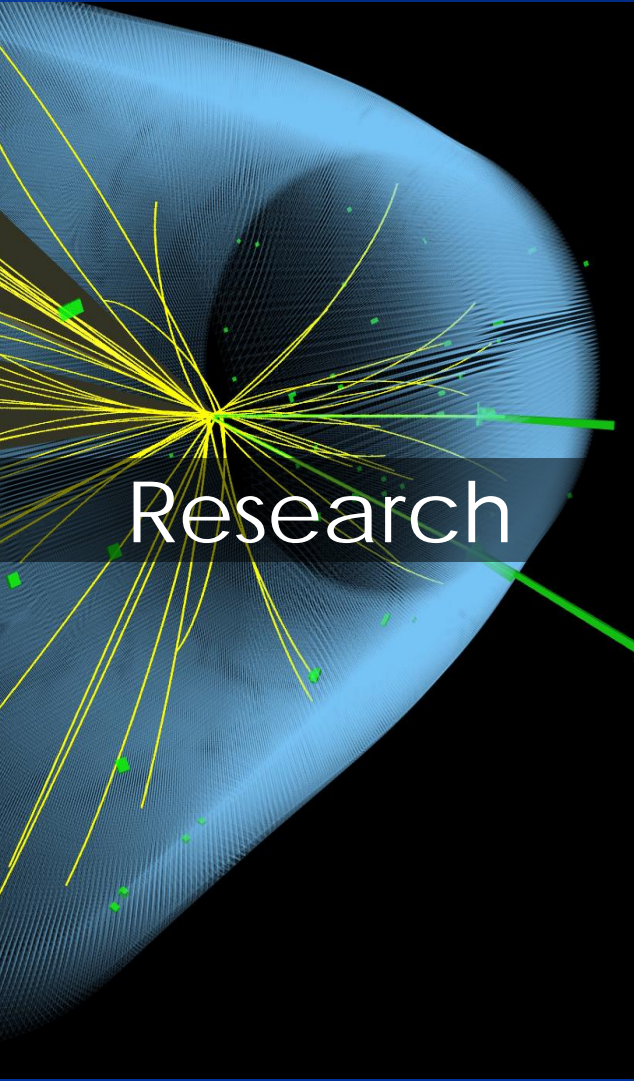
CERN HR Talent Acquisition

Recruitment.service@cern.ch

The Organization



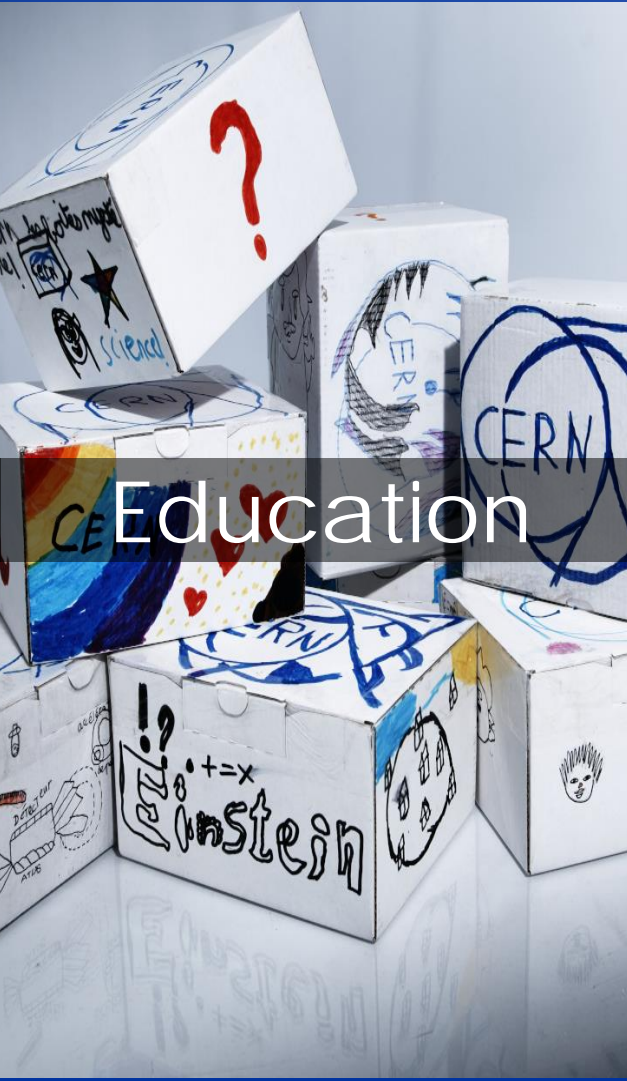
Our mission



Research



Collaboration



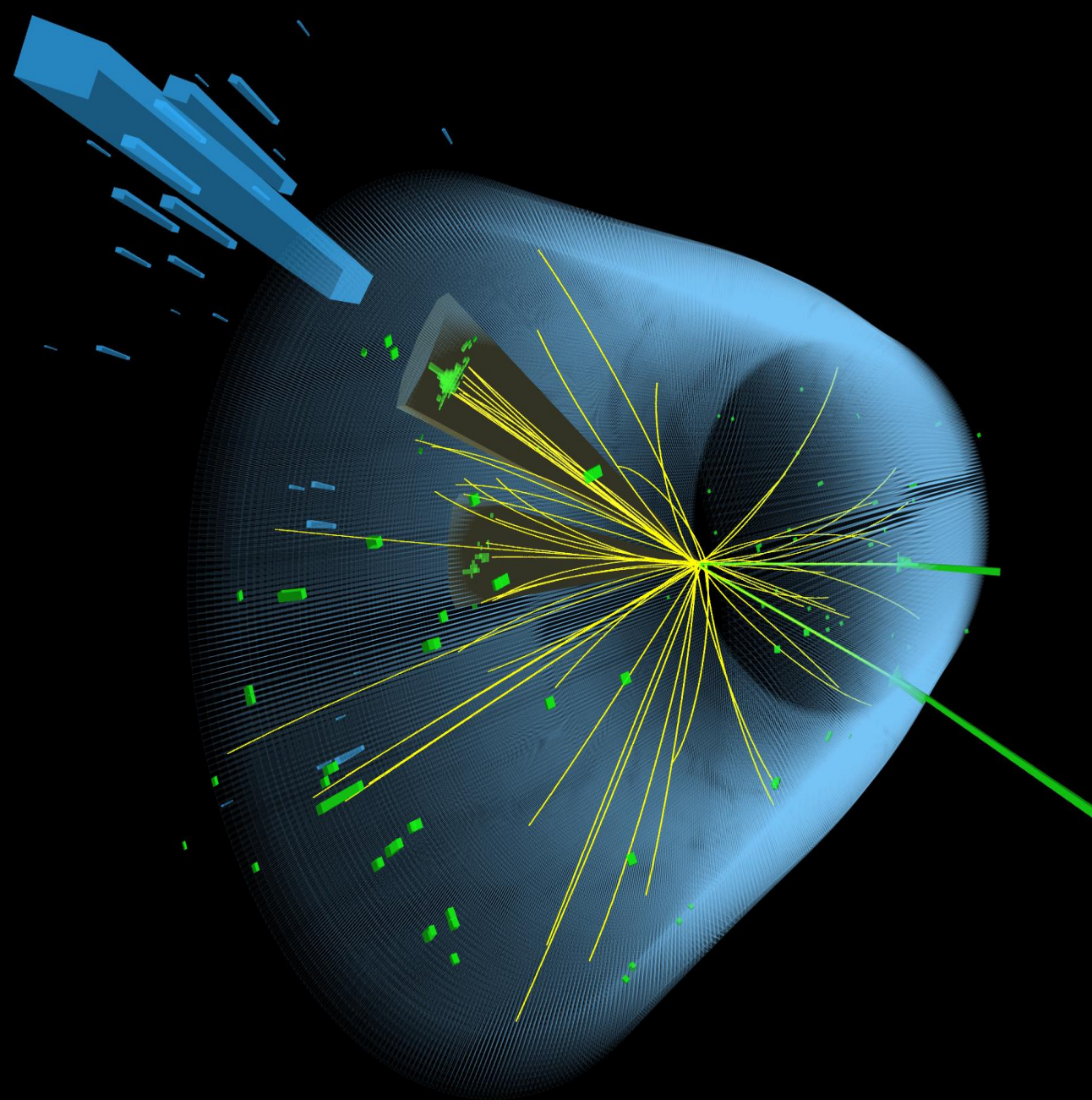
Education



Technology

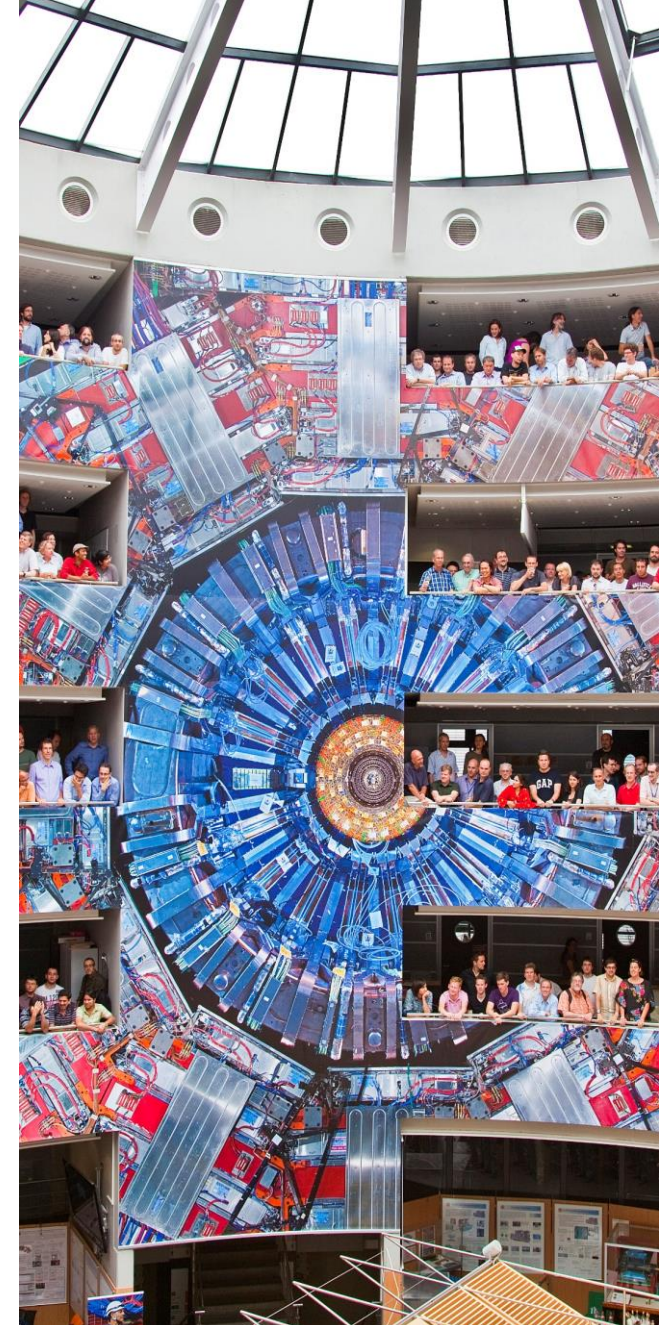
Perform world-class
research in
fundamental
physics

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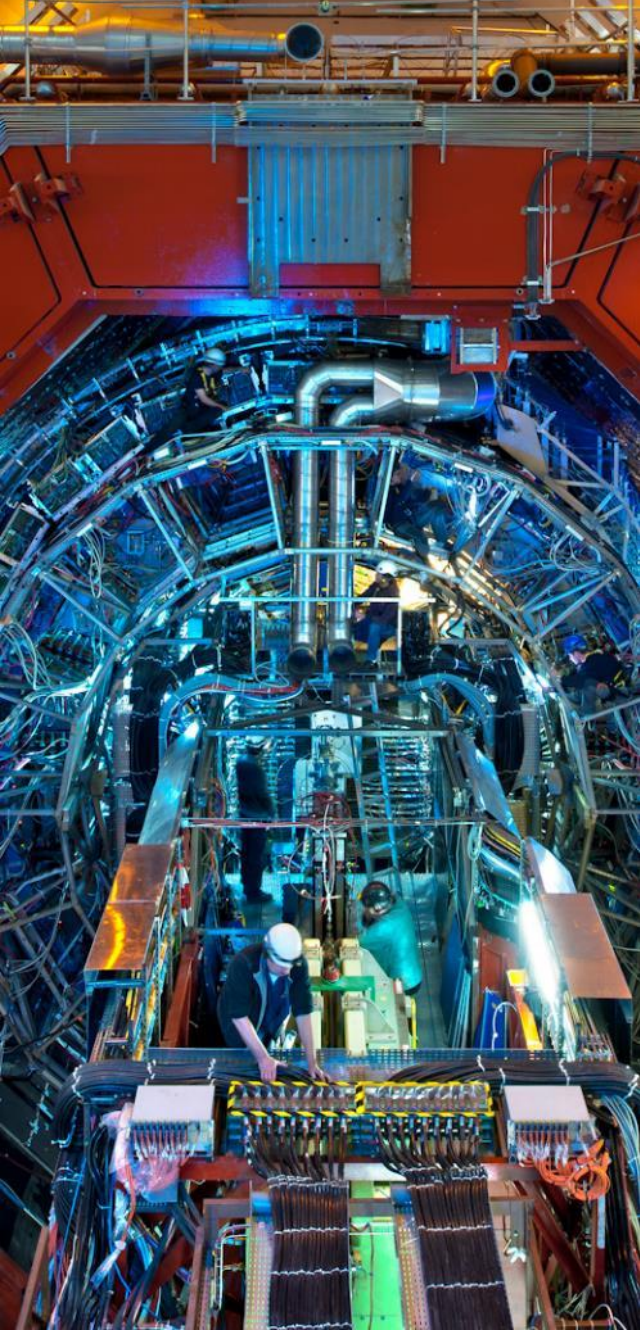


Unite people from all over the world to push the frontiers of science and technology, for the benefit of all.



“ Training tomorrow's scientists and engineers and promoting the uptake of careers in STEM.

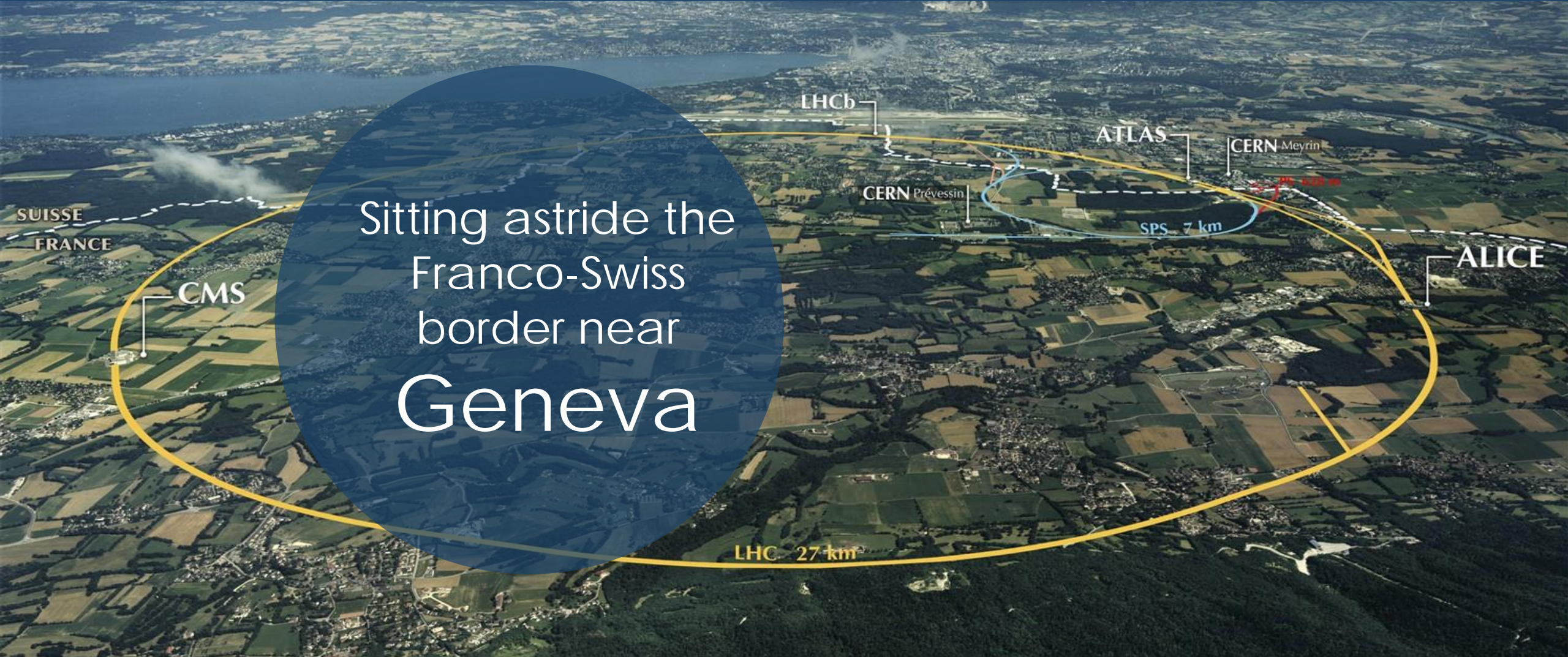




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Provide a unique range of particle accelerator facilities that enable research at the forefront of human knowledge.

The place



Sitting astride the
Franco-Swiss
border near
Geneva

The equipment

Accelerators

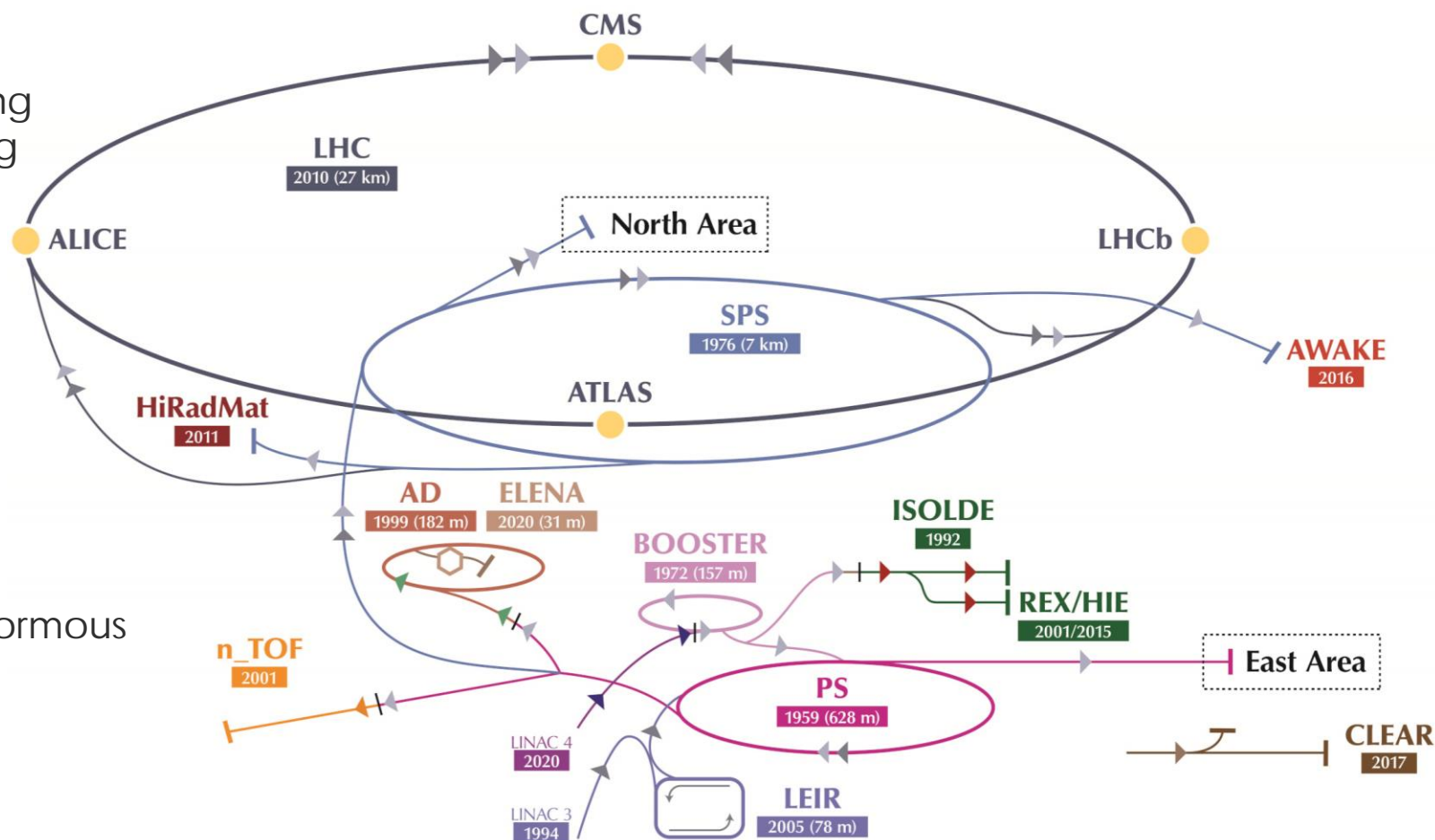
Powerful machines capable of accelerating particles to very high energies before being collided with other particles

Detectors

Gigantic instruments that record particle collisions

Computers

To collect, store, distribute and analyse enormous quantities of data generated by detectors



The beginning

H-
SOURCE
Showing
Hydrogen
Plasma

Controlling

Nerve
centre
of CERN
beam
systems

Accelerating

LHC
FASTEST
RACETRACK
on the Planet



Superconducting

Magnets:
temperatures
COLDER
than outer space..
with the best
vacuum

Colliding

The
hottest spots
in the
GALAXY

Detecting

ATLAS:
As big as a
5 STOREY
building

With the most
SOPHISTICATED
DETECTORS
ever built

CMS:
HEAVIER
than the
Eiffel Tower

Imagine...

- being at the forefront of technology and physics;
- collaborating with multicultural and multidisciplinary teams;
- following experts in their technical domain;
- being part of a dynamic environment with training opportunities;
- benefitting from an attractive remuneration package;
- making valuable and long-lasting contacts from all over the world;
- learning languages: CERN is a bilingual organisation (English and French).

DREAM. BECOME. GROW.

DREAM.

THINK. INNOVATE. CREATE.

e-job training.

Are you embarking on a PhD?

TAKE PART!

DOCTORAL STUDENT PROGRAMME
Imagine getting involved in work that is changing the world you've left university.
Put all these ingredients together to make this imagination a reality.
Imagine working in an international environment in Geneva as you work on your thesis while spending up to 36 months at the forefront of your already chosen subject or are still making your decision.
Put all these ingredients together to make this imagination a reality.
If you're already chosen a subject or are still making your decision in Physics, Engineering or Computing, this is an invitation to join a unique organization. In fact, it's an invitation to get involved in a project of unprecedented scale and scope. An invitation to join an organization on Earth.

Imagine working in a place like nowhere else on earth...

TAKE PART!

CERN could be the next step in your career!

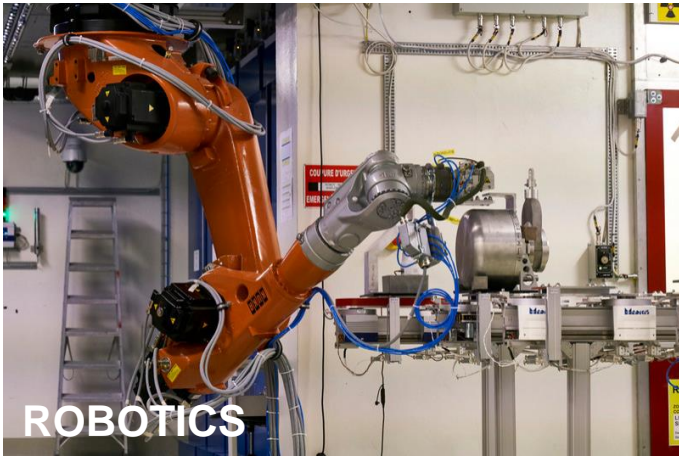
Apply online: careers.cern/s

Find out more: <http://careers.cern>

the world and imagine doing it before anyone else. Imagine doing it in a world-famous environment and having a great job that happens to be in a world-famous city. If you're an undergraduate in looking for a practical training period or end 4 to 12 months at CERN during the summer, your university requires or encourages you to imagine doing this at CERN in Geneva.

:CH

Various areas besides physics..



RADIO FREQUENCY

VACUUM AND CRYOGENICS

ELECTRICAL ENGINEERING

MECHANICAL ENGINEERING

MATERIALS SCIENCE

ELECTRONICS

Your opportunities

PROFESSIONALS & GRADUATES

STAFF MEMBERS

ORIGIN

Early Career Professionals

QUEST

Experienced Project Graduates

RESEARCH FELLOWS

Post-docs

STUDENTS

**TECHNICAL &
ADMINISTRATIVE
STUDENTS**

DOCTORAL STUDENTS

SUMMER STUDENTS

**SHORT-TERM
INTERNS**

Technical Student Programme

~ 250 positions/year



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A great place to start a career,
learn new skills, make new friends...
technical student in electronics

Applied physics, electrical or electronics engineering, general or civil engineering, IT, mathematics and robotics, material and surface science, mechanical engineering...

- A project with a CERN supervisor
- An allowance of 3407 Swiss Francs per month (net of tax)
- A travel allowance
- A supplement if you have a spouse and/or have children
- Comprehensive health insurance
- 2.5 days of paid leave per month

Eligibility: Minimum of 18 months of undergraduate studies

Length: 4 to 12 months

Application Periods: Open for applications 3 times per year - Dec-Mar, May-Jul, Aug-Nov

Key Facts Technical Student Programme

6 different focus domains

- [Electrical/Electronics Engineering](#)
- [Mechanical Engineering](#)
- [IT, Mathematics & Robotics](#)
- [Material & Surface Science](#)
- [Applied Physics](#)
- [General/Civil Engineering](#)



Key Dates:

- Application deadline current round (2024-1): 6 November 2023
- Selection Committee: 1 February 2024
- Earliest start date: Mid March 2024

Required Application Documents (in pdf):

- CV
- Scan of most recent relevant qualification
- Minimum 1 reference letter
- Optional/recommended: Motivational letter

Depending on their qualifications/profile, candidates can also apply for several programs at the same time!

How can I apply?

CERN Accelerating science

Sign in Directory

Careers at CERN

[HOME](#)

[ABOUT US](#) ▾

[OUR OPPORTUNITIES](#) ▾

[HIRING PROCESS](#) ▾

[OUR STORIES](#)

[CONTACT](#)

- › Job Search
- › Professionals
- › Experienced Graduates
- › Entry-Levels
- › Students ←
- › Career Areas
- › Additional info for German applicants

Hundreds of fields, thousands of opportunities. Experienced or not, CERN is your chance to shine.

Join millions of followers. Your chance to shine: opportunity. Take part!

🔍 Search for Opportunities (e.g. Entry-Level)

How can I apply?



Technical Studentship-Electrical / Electronics Engineering 2023-2

Geneva, Switzerland
Full-time

Company Description

At CERN, the European Organization for Nuclear Research, physicists and engineers are probing the fundamental structure of the universe. Using the world's largest and most complex scientific instruments, they study the basic constituents of matter - fundamental particles that are made to collide together at close to the speed of light. The process gives physicists clues about how particles interact, and provides insights into the fundamental laws of nature. Find out more on home.cern.

Diversity has been an integral part of CERN's mission since its foundation and is an established value of the Organization.

Job Description

Take part in CERN's Technical Student Programme!

If your university or institute requires or encourages you to acquire work experience through an internship, imagine doing this at CERN in Geneva. It's more than work experience. In fact, it's a student programme like nowhere else on Earth and an impressive addition to your CV!

If you are a student looking for practical training in domains related to Electrical or Electronics Engineering, you will have the opportunity to work at the cutting edge of technology, contribute and broaden your knowledge in areas as varied as high or low voltage electrical engineering, energy distribution, communication networks, computer systems, signal processing, microelectronics or radiofrequency to name a few.

The screenshot shows a job application interface. At the top, there are two buttons: a blue 'I'm interested' button and a white 'Refer a friend' button. Below these are social sharing icons for LinkedIn, Facebook, Twitter, Email, X, and WhatsApp. The section 'OTHER JOBS AT CERN' lists three other positions: 'Technical Studentship - Mechanical Engineering 2023-2', 'Technical Studentship - General / Civil Engineering 2023-2', and 'Early Career Professionals (Technician/Administrative file...)'. A 'Show all jobs' link is provided. At the bottom, it says 'Powered by SmartRecruiters (Data Processor)' with links for 'Privacy Policy' and 'Terms of Use'.



Direct link to application

Direct links to apply for:

- [Electrical/Electronics Engineering](#)
- [Mechanical Engineering](#)
- [IT, Mathematics & Robotics](#)
- [Material & Surface Science](#)
- [Applied Physics](#)
- [General/Civil Engineering](#)

Administrative Student Programme

~ 30 positions/year

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An enriching experience – I had exposure to more activities than I could have imagined,
Administrative student in legal

Translation, human resources, business administration, law, finance, science communication, public relations...

- A project with a CERN supervisor
- An allowance of 3407 Swiss Francs per month (net of tax)
- A travel allowance
- A supplement if you have a spouse/partner and/or have children
- Comprehensive health insurance
- 2.5 days of paid leave per month

Eligibility: minimum of 18 months of undergraduate studies

Length: 2 to 12 months

Application Periods: Open for applications 3 times per year - Dec-Mar, May-Jul, Aug-Nov



Doctoral Student Programme

~ 80 positions/year



An opportunity to meet important people, especially in the research field,
Doctoral student in Physics

Applied physics, electrical or electronics engineering, general or civil engineering, IT, mathematics and robotics, material and surface science, mechanical engineering...

- A research topic/project, leading to a PhD thesis co-supervised by the university thesis advisor and a CERN staff member
- An allowance of 3818 Swiss Francs per month (net of tax)
- A travel allowance
- A supplement if you have a spouse/partner and/or have children
- Comprehensive health insurance
- 2.5 days of paid leave per month

Eligibility: Enrolled in a doctoral programme in a university

Length: 36 months and 12 months of unpaid leave

Application Periods: Open for applications 3 times per year - Dec-Mar, May-Jul, Aug-Nov



Summer Student Programme

~ 300 positions/year

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Can't imagine a better way to spend my summer,
Summer student in computing

Applied physics, electrical or electronics engineering, general or civil engineering, IT, mathematics and robotics, material and surface science, mechanical engineering...

- Series of lectures delivered by world-wide renowned scientists, visits and workshops.
- A project with a CERN supervisor.
- A 90 CHF per calendar day (net of tax) subsistence allowance to cover the cost of accommodation and meals in the Geneva area for a single person for the whole contract duration.
- A travel allowance on a lump sum basis paid at the end of your stay to help you with the cost of travel between Geneva and your residence at the time of the selection committee.
- Coverage by CERN's comprehensive Health Insurance scheme (contribution already deducted from allowance).
- Assistance to find accommodation on the CERN site or nearby.

Eligibility: 3 years of full-time studies at university level

Length: 8 to 13 weeks over summer

Application Period: November – January



Short-term Internship Programme

~ 250 positions/year



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A great opportunity for your career and also a very rewarding life experience,
Short-term intern in mechanical engineering

All disciplines in science, engineering, technical and administrative fields

- A project with a CERN supervisor
- A living allowance of 1516 CHF per month

Eligibility: Be a full-time student at undergraduate level (post-secondary)

Length: 1 to 6 months

Application Period: Open for applications all year round

Early Career Professionals

~ 300 positions/year



The smartest way to kick-start your career and give it real momentum.



All disciplines in science, engineering, technical and administrative fields

- On-the-job learning by full immersion in a CERN team and their activities
- A stipend ranging from 5119 to 5631 Swiss Francs per month (net of tax)
- Comprehensive health insurance (for yourself, your spouse/partner, and children)
- Membership of the CERN Pension Fund
- Other benefits may include: Installation grant, family, child and infant allowances; payment of travel expenses at the beginning and end of contract
- 2.5 days of paid leave per month.

Eligibility: From general secondary education to Master level, with max. 2 years of relevant experience after your highest degree

Length: From 6 to 36 months, in principle duration of 24 months

Application Periods: Open for applications every 3 months for 4 weeks each – Dec-Jan, March-April, June-July, Sep-Oct



Experienced Project Graduates

~ 100 positions/year

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Deepen your knowledge and expertise faster than anywhere else on earth.

Applied physics, electrical or electronics engineering, general or civil engineering, IT, mathematics and robotics, material and surface science, mechanical engineering...

- Work on well-defined project from A to Z with clear deliverables
- Deepen your expertise and expand your professional network by working with the best experts
- Opportunity to supervise student
- A stipend ranging from 6194 to 6808 Swiss Francs per month (net of tax)
- Comprehensive health insurance (for yourself, your spouse/partner, and children)
- Membership of the CERN Pension Fund
- Other benefits may include: installation grant, family, child and infant allowances; payment of travel expenses at the beginning and end of contract
- 2.5 days of paid leave per month

Eligibility: Master's with 2 to 6 years of relevant experience or PhD with up to 3 years of relevant experience

Length: From 6 to 36 months, in principle duration of 24 months

Publication/Application Period: Continuous hiring throughout the year, publication of positions on demand



QUEST
TAKE PART!



Research Fellows

~ 40 positions/year

” Make your mark and hone your skills at a place like no other.

Applied physics, theoretical physics, experimental physics, electrical or electronics engineering, mathematics and robotics, material and surface science, mechanical engineering...

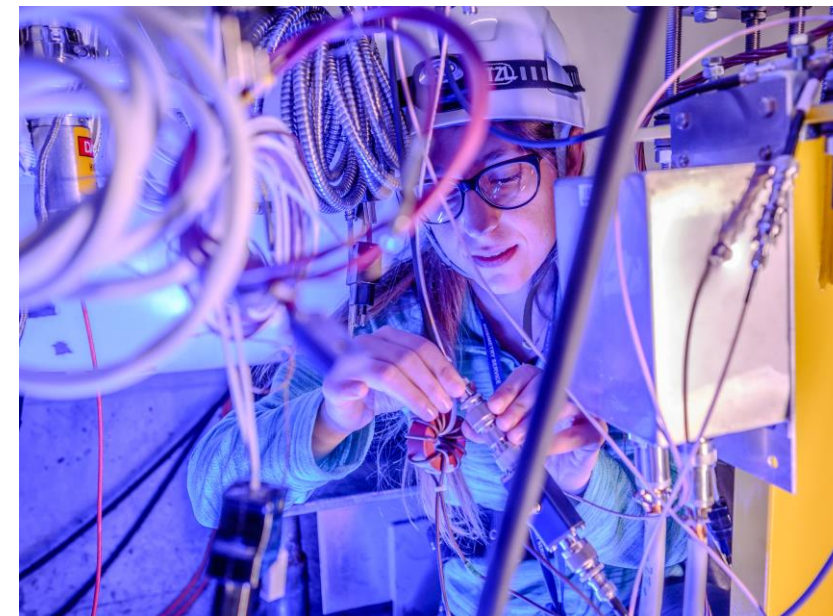
- Define your own research project and benefit from international exposure
- A stipend ranging from 6650 to 7218 Swiss Francs per month (net of tax)
- Comprehensive health insurance (for yourself, your spouse/partner, and children)
- Membership of the CERN Pension Fund
- Other benefits may include: Installation grant, family, child and infant allowances; payment of travel expenses at the beginning and end of appointment
- 2.5 days of paid leave per month

Eligibility:

- *Theoretical and Experimental Physics:* PhD with up to 6 years of relevant experience
- *Applied Sciences and Engineering:* PhD with up to 3 years of relevant experience

Length: From 6 to 36 months, in principle duration of 24 months

Application Periods: Open for applications twice per year – December-February + June-August



RESEARCH FELLOWS
TAKE PART!

Staff positions

~ 150 positions/year

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It's the chance to focus on being the very best at what you do.



All disciplines in science, engineering, technical and administrative fields

- Attractive compensation package
- Comprehensive health insurance (for yourself, your spouse/partner, and children)
- Membership of the CERN Pension Fund;
- Other benefits may include: (re)installation grant, family, child and infant allowances; payment of travel and removal expenses at the beginning and end of contract; unemployment coverage.
- 2.5 days of paid leave per month.

Eligibility: From general secondary education to PhD

Length: Limited duration contract (5 years). Subject to certain conditions, holders of limited-duration contracts may apply for an indefinite position

Recruitment Process

Online Application



Video Interview



Interview



Selection



Offer



Your discovery journey ... at CERN



Visits

- ❖ Bank, kindergarten, post-office, travel agency and library, not to mention access to three restaurants and free parking every day.
- ❖ Car fleet
- ❖ Conferences organised by various bodies



Many activities organised at CERN e.g. Relay Race



Jardin de Particules



CERN bikes

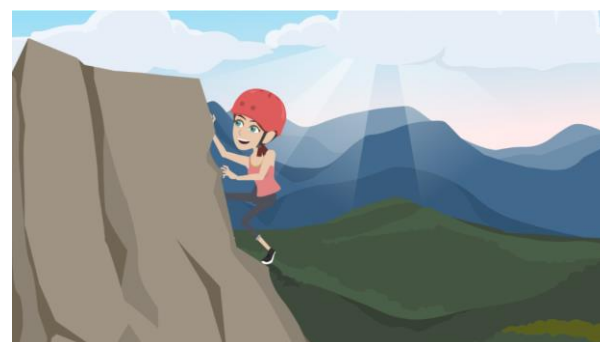


CERN clubs e.g. fitness, rugby, tennis, music, etc.

And your life in the region



- ❖ Easy traveling from Geneva (by train, road and plane)
- ❖ Sightseeing (lakes, cities,...)
- ❖ Hiking & Skiing
- ❖ Sport events
- ❖ Music, food, art festivals
- ❖ Swiss & French food and culture



Take part!

Careers.cern



<https://careers.cern/tips-applying>





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Magic is not happening at CERN,
magic is being explained at CERN.
- Tom Hanks