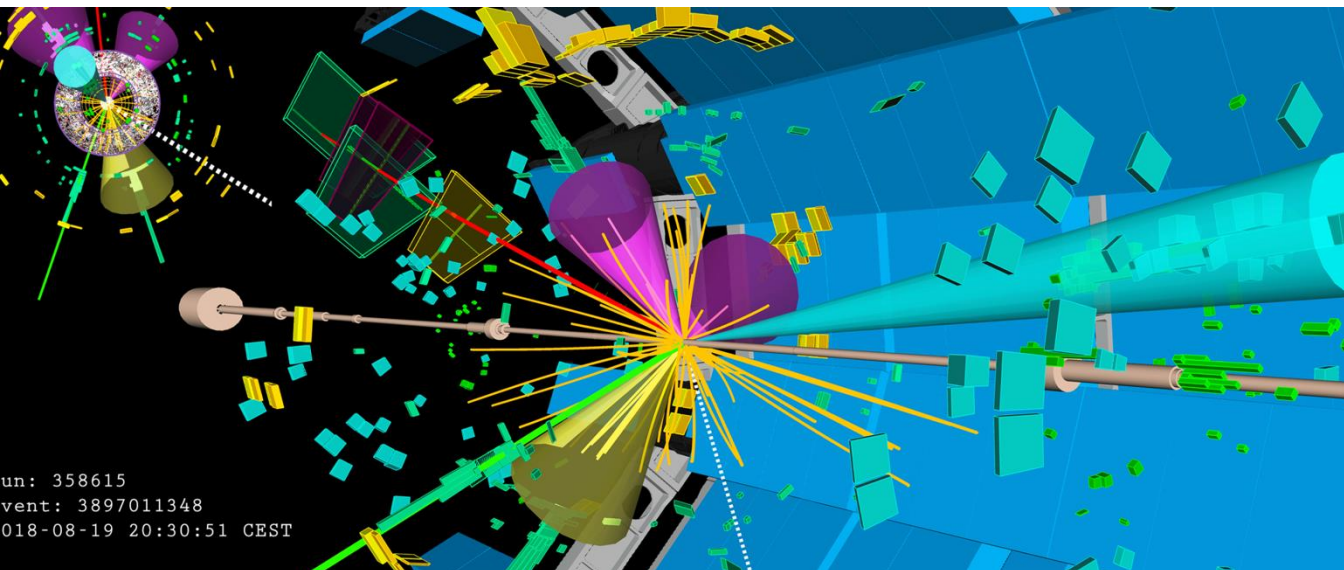




F9 retreat, Krvavec, Sept. 28-30, 2026

F9 Strategic meeting

Welcome

Rok Pestotnik



Institut "Jožef Stefan", Ljubljana, Slovenija

Introduction: F9 research topics

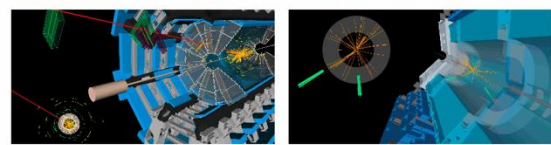
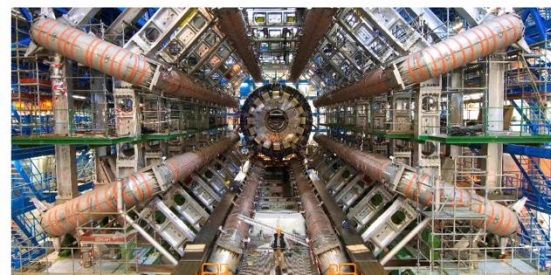
Collaboration in leading HEP experiments

Energy frontier: ATLAS @ CERN

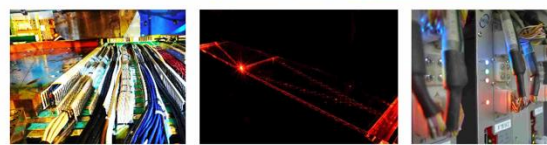
Intensity frontier: Belle II @ KEK in LHCb @ CERN

Cosmic frontier: Pierre Auger, CTAO

Developing solutions for high-performance computing and particle detectors.



Energijsko obzorje
The Energy Frontier



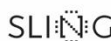
Obzorje pogostosti
The Intensity Frontier



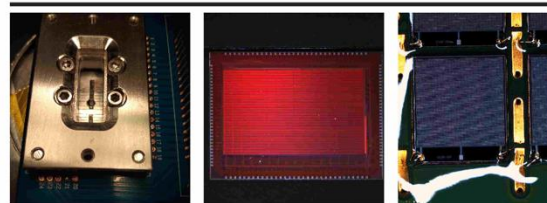
Kozmično obzorje
The Cosmic Frontier



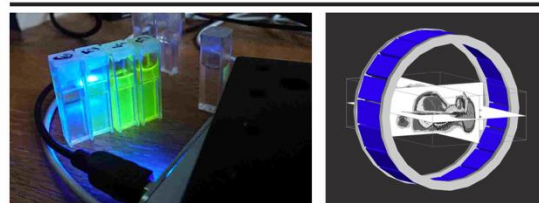
Superračunalništvo
Supercomputing



Razvoj detektorjev
Detector development



Medicinska fizika
Medical physics



Collaboration	Members	Institutions	Countries
ATLAS	5500+	~180–240	~40–45
LHCb	1600+	100+	22
Belle II	1223	126	28
Pierre Auger	400+	90	17
CTAO	~1500	200+	25

Slovenia is now a full CERN Member State

HL-LHC, Belle II and LHCb upgrades are entering decisive phases

AI, HPC and detector technologies are becoming inseparable

Full membership changes the national opportunity: **research**, industry, procurement, education and employment

F9 has to decide on the long-term strategy – excellence & growth

Map
where F9 is today

Identify
where F9 goes

Align people
and infrastructure

Leave with
better team network

- Use the talks as evidence for decisions, not only as status reports.
- Show connections between physics, detectors, computing and applications.

In presentations describe:

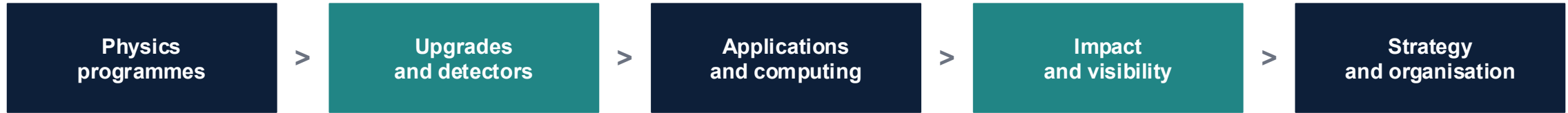
- the research objectives of their work, including the broader background and motivation,
- the methods and approaches used,
- the main results achieved so far and their scientific or technical impact,
- future plans and key objectives for the next period.
- include a timeline of your research work.

Adhere to the time allocated to you: For **15-minute slots**, **3 minutes** for questions;
20-minute slots, approximately **5 minutes**; and for **longer presentations**, approximately **10 minutes**.

Please plan the presentation accordingly so that adequate time remains for discussion.

Talk outside your experiment.

Ask questions as much as
possible.



- Monday:
 - current programmes and detector/upgrade landscape (chair Rok Pestotnik),
 - ATLAS talks (Miha Muskinja)
- Tuesday morning: Belle II & LHCb: flavour physics, hardware and medical applications (Luka Šantelj)
- Tuesday afternoon: history, impact, infrastructure, AI in HEP crash intro, future funding and organization (Rok P.)
- Wednesday:
 - remaining ATLAS & Belle II topics ()
 - hike to Zvoh before lunch.
- Breakfast at 7:30
- Morning and afternoon coffee
- Lunches at around 12:30
- Dinner at 19:00
- Evening program organized by young researchers (Andraž Tomšič)
- Great thanks to our administrative support for arranging everything / Maja Tišler