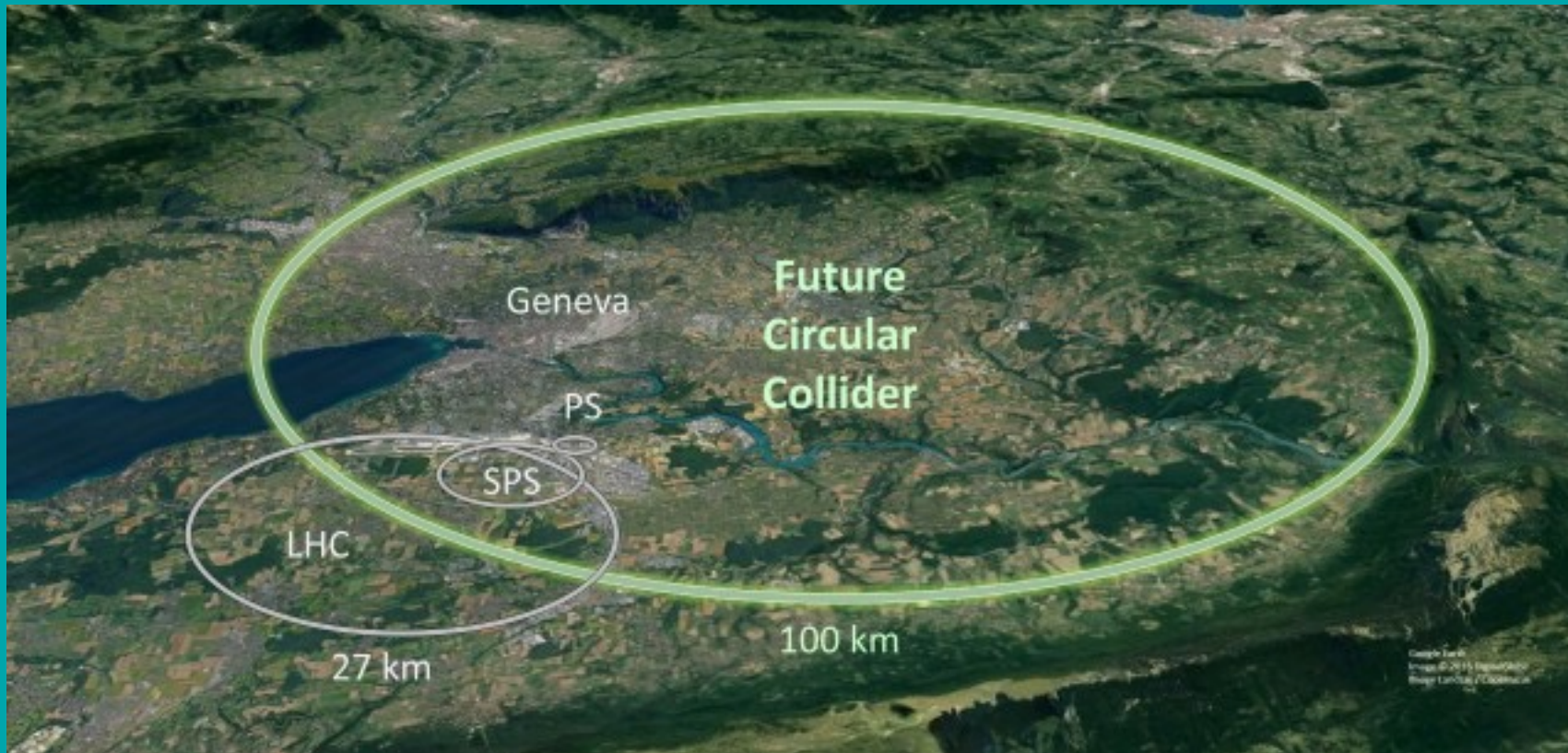


Meeting di Gruppo ATLAS Milano

5 Febbraio 2025



ATLAS NEWS


February ATLAS Week at CERN

<https://indico.cern.ch/event/1483514/overview>

17–21 February 2025 ATLAS Week “Building the ATLAS of Tomorrow” at CERN

- In-person in the CERN Main Auditorium with Zoom connection
- An awesome [Agenda](#) is being prepared, please [register](#)
- Among the highlights:
 - Upgrade talks throughout the week, brainstorming discussion on “How can we further mobilise our resources to ensure the success of our Phase-II Upgrade programme”
 - ECS lightning talks ([abstract submission](#) by Jan 22)
 - Physics plenaries on Tue and Wed
 - Invited theory talk (TBC)
 - Management Q&A on Wed
 - Wed evening: Poster Session ([abstract submission](#)) and reception at CERN’s Science Gateway ([registration](#))
 - Thu morning: P1 underground visits ([registration](#))
 - Thu afternoon: PhD Thesis Award ceremony

Giulia Maineri
Poster sull’analisi
ggH, H->yyd



ATLAS Collaboration Week - Building the ATLAS of Tomorrow (agenda still under construction)

17 Feb 2025, 11:00 → 21 Feb 2025, 17:00 Europe/Zurich

500/1-001 - Main Auditorium (CERN)

Andreas Hoecker (CERN)

Description Registration for the February 2025 ATLAS Week is now open! Please register by Friday 7 February, in particular, if you want to visit the ATLAS experiment and/or participate in the poster session plus reception.

[Go here](#) to submit an abstract for the poster session or for a lightning talk.



Monday afternoon

14:55

Highlights of Searches (HMBS+Exotics+HIGP searches)

Speaker: Sonia Carra (Università degli Studi e INFN Milano (IT))

ATLAS NEWS

Votazioni al Collaboration Board (CB) della ATLAS week:

<https://indico.cern.ch/event/1499134/>

1. Election of the (Deputy) Physics Coordinator
2. Election of the (Deputy) Trigger Coordinator
3. Election of the (Deputy) Data Preparation Coordinator
4. Election of the next Computing co-Coordinator
5. Endorsement of new Executive Board members
6. Endorsement of new Publications Committee members
7. Endorsement of a new member of the Authorship Committee
8. Endorsement of new SCAB members
9. Endorsement of new ECSB members (Early Career Scientists Board)
10. Endorsement of new Equity, Diversity & Inclusion co-Coordinator

Election of (Deputy) Physics Coordinator

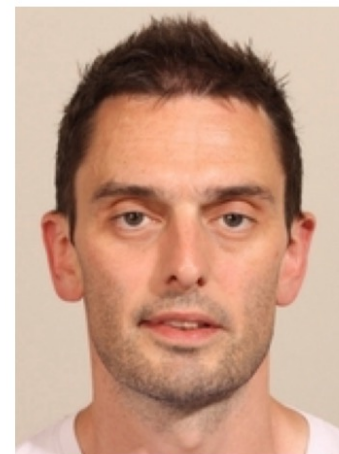
The CB is invited to elect the next Deputy Physics Coordinator among the following three candidates:



Ulla Blumenschein
(London QMUL)



Aurelio Juste Rozas
(Barcelona)



Andrew Pilkington
(Manchester)

Short CVs and statements of the candidates are available on the [indico agenda page](#)

The election follows the [standard ATLAS rules](#): a candidate is elected with the absolute majority of the cast votes in the first round, otherwise the two with the highest vote counts are retained for a second round, where the relative majority will be required

Election of (Deputy) Trigger Coordinator

The CB is invited to elect the next Deputy Trigger Coordinator among the following three candidates:



Fernando Monticelli
(La Plata)



Takuya Nobe
(Tokyo ICEPP)



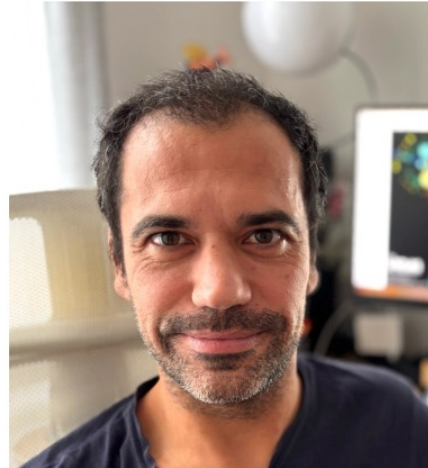
Martin Rybar
(Prague CU)

Short CVs and statements of the candidates are available on the [indico agenda page](#)

The election follows the [standard ATLAS rules](#): a candidate is elected with the absolute majority of the cast votes in the first round, otherwise the two with the highest vote counts are retained for a second round, where the relative majority will be required

Election of (Deputy) Data Preparation Coordinator

The CB is invited to elect the next Deputy Data Preparation Coordinator among the following two candidates:



Cristiano Alpigliani
(Seattle Washington)



Christian Grefe
(Bonn)

Short CVs and statements of the candidates are available on the [indico agenda page](#)

The election follows the [standard ATLAS rules](#): a candidate is elected with the absolute majority of the cast votes in the first round, otherwise both candidates are retained for a second round, where the relative majority will be required

Endorsement of Computing Co-Coordinator

After a careful evaluation of the nominations and given the overwhelming support from the Collaboration, the Search Committee decided to propose for [re-election](#) as Computing Co-Coordinator:



David South (DESY)

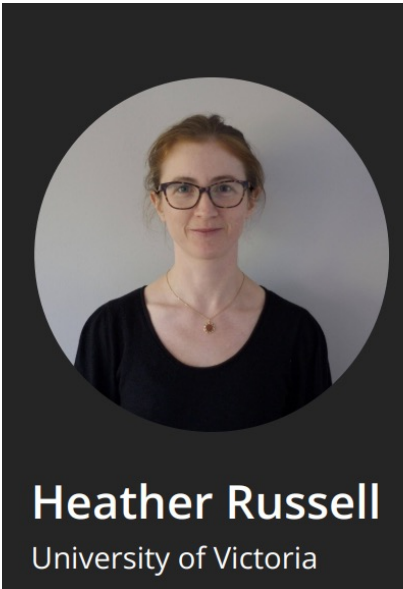
A short CV and statement of David is available on the [indico agenda page](#)

The endorsement follows the [standard ATLAS rules](#): for this re-appointment a 2/3 majority is required in the first round

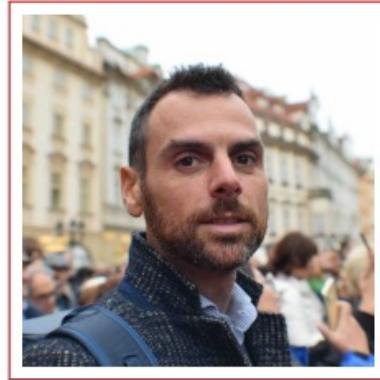
Endorsement of new Publications Committee members



ANDREA KNUE
University of Dortmund



Heather Russell
University of Victoria



MATTEO BAUCE
INFN ROMA1



TOMMASO LARI
INFN MILANO



Yanyan Gao
University of Edinburgh



Endorsement of new SCAB (Speakers Committee Advisory Board) members

Gabriela Alejandra Navarro

Curriculum Vitae

Contact Information

Department of Physics, Faculty of Science
Universidad Antonio Nariño

Carrera 3 Este #47 A - 15, Bogotá D.C., Colombia

Email: gabriela.navarro@uan.edu.co

Nationality: Argentinian



Stefano Passaggio

INFN, Sezione di Genova

EDUCATION

1990 Laurea in Physics, Università di Genova (IT)

1994 PhD in Physics, Università di Genova (IT)

EMPLOYMENT

1994-1996 PostDoc at INFN Sezione di Genova (IT)

1996-1998 PostDoc at ETH-Zürich (CH)

1998-2005 Researcher at INFN Sezione di Genova (IT)

2006-present Senior Researcher at INFN Sezione di Genova (IT)



Endorsement of new ECSB (Early Career Scientists Board) members

GABRIEL MATOS
Curriculum Vitæ

Nevis Laboratories, Columbia University
✉ gabriel.pinhoiro.matos@cern.ch, ☎ +41 77 412 27 58



EDUCATION

Columbia University in the City of New York
Ph.D. Candidate in Physics.

Sep. 2022 - Present

Columbia University in the City of New York
B.A. in Physics; Concentration in Mathematics; Summa Cum Laude.

Sep. 2017 - June 2021

RACHEL J. HYNEMAN

rahynema@cern.ch ○ +1 (734) 882-3257



EDUCATION AND PROFESSIONAL EXPERIENCE

Assistant Professor, University of Arizona, Department of Physics

Aug 2024 - Present

Research Associate, SLAC National Accelerator Laboratory

Feb 2020 - Aug 2024

Ph.D, Physics, University of Michigan, Ann Arbor

Sep 2015 - Feb 2020

B.S., Physics, College of William & Mary (Summa Cum Laude)

Aug 2011 - May 2015



Robin Hayes

📍 Nikhef, Amsterdam, the Netherlands ✉ rhayes@cern.ch

Education and Work Experience

ATLAS Postdoctoral Researcher, Nikhef, the Netherlands

Sept 2022 – present

PhD in Physics, University of British Columbia, Canada

June 2017 – July 2022

Thesis: "Measurements of Gluon Fusion and Vector Boson Fusion Production of the Higgs Boson in Decays to two W bosons with the ATLAS Detector"

Honours B.Arts.Sc., McMaster University, Canada

Sept. 2009 – April 2014

Combined Honours in Chemistry

Endorsement of Equity, Diversity & Inclusion co-Coordinator

Fairouz Malek

PERSONAL INFORMATION

Birth Date: 6 March 1964

Nationality: France and Algeria

Institution: Grenoble LPSC, CNRS and Grenoble Alpes University, France

Professional [Web Page](#)

e-Mail: fmalek@lpsc.in2p3.fr



NEWS – Terza Missione

ATLAS Master class 2025

XI edizione a Milano, 10 Marzo e 24 Marzo 2025

"Alla scoperta del mondo delle particelle elementari con i dati dell'esperimento ATLAS":

<https://agenda.infn.it/event/44722/>

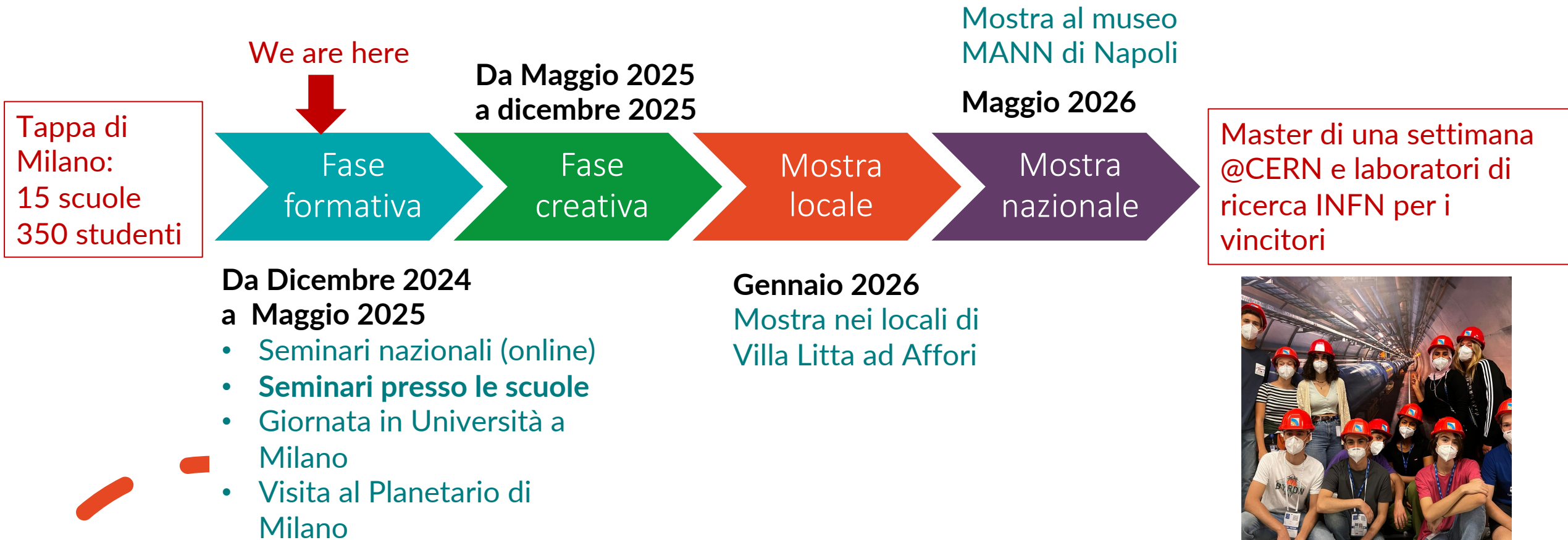
- Rivolto alle classi quinte dei licei scientifici di Milano e interland
 - 1 Giornata in dipartimento così organizzata:
 - La mattina del giorno della masterclass gli studenti seguiranno dei seminari introduttivi
 - Dopo pranzo gli studenti potranno effettuare al computer, con l'ausilio di un tutor, una vera analisi dei dati raccolti dall'esperimento ATLAS misurando la massa del bosone Z.
 - I risultati verranno poi discussi in video-conferenza col CERN con altri studenti di istituzioni straniere che partecipano allo stesso evento.
- **Laureandi/dottorandi del Gruppo sono invitati a partecipare come tutor durante la parte in laboratorio di calcolo**

Contattare: Leonardo, Francesco, Ruggero

NEWS – Terza Missione

Art and Science across Italy: V edizione (2024-2026)

Tappa Lombarda: Milano + Milano Bicocca



Contattare: Silvia e Tommaso



CONCORSI/BORSE

- **Borse “LA FISICA DELLE PARTICELLE PER ESPLORE L’UNIVERSO” CSN1 in laboratori stranieri** (CERN, DESY, FNAL....), da sfruttarsi da Maggio 2025
 - laureandi/laureati triennali (magistrali) – 20 borse di 1 mese (12 borse da 3 mesi)
 - Programmi di ricerca: **Leonardo e Ruggero** hanno sottomesso 2 argomenti.
 - 2 Bandi: <https://web.infn.it/csn1/index.php/it/notizie/news/127-borse-trimestrali-2025>
 - i candidati potranno applicare fino alle ore 23:59 del 17 febbraio 2025.

- Opportunita' di lavoro INFN (bandi aperti): <https://jobs.dsi.infn.it/>

NEWS - STRATEGIA FISICA DELLE PARTICELLE

- Workshop “Input INFN per la strategia della Fisica delle Particelle 2025-26”
4 Febbraio 2025, Università di Milano Bicocca: <https://agenda.infn.it/event/44313/>

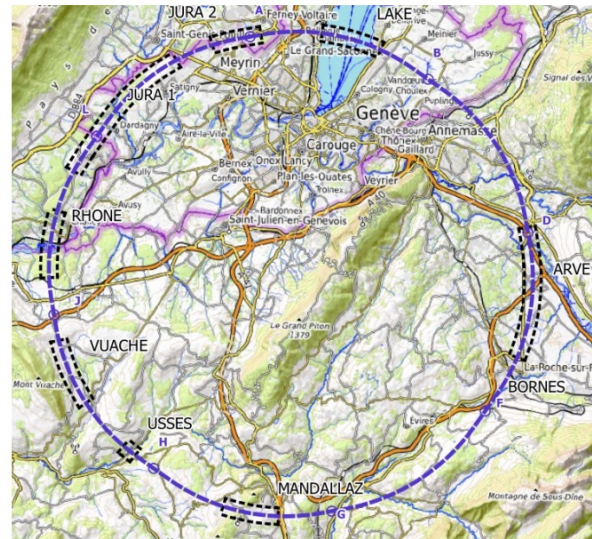
After HL-LHC: the FCC integrated project

Slides di R. Tenchini

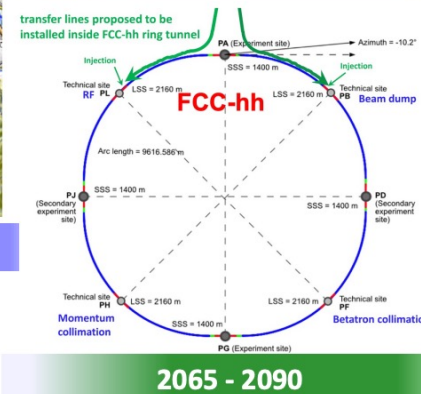
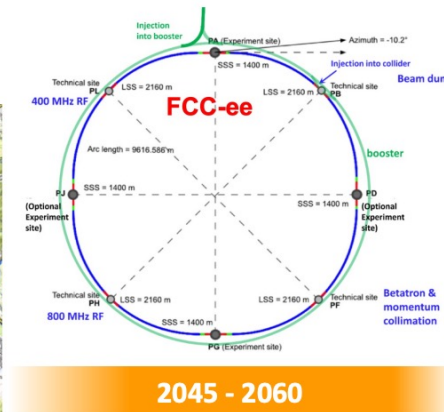
Comprehensive long-term program maximizing physics opportunities

- stage 1: FCC-ee (Z, W, H, $t\bar{t}$) as Higgs factory, electroweak & top factory at highest luminosities
- stage 2: FCC-hh (~100 TeV) as natural continuation at energy frontier, with ion and eh options
- complementary physics
- common civil engineering and technical infrastructures, building on and reusing CERN's existing infrastructure
- FCC integrated project allows seamless continuation of HEP after completion of the HL-LHC program

tunnel (90.7 km)



Infrastructure preparation 2020 - 2040



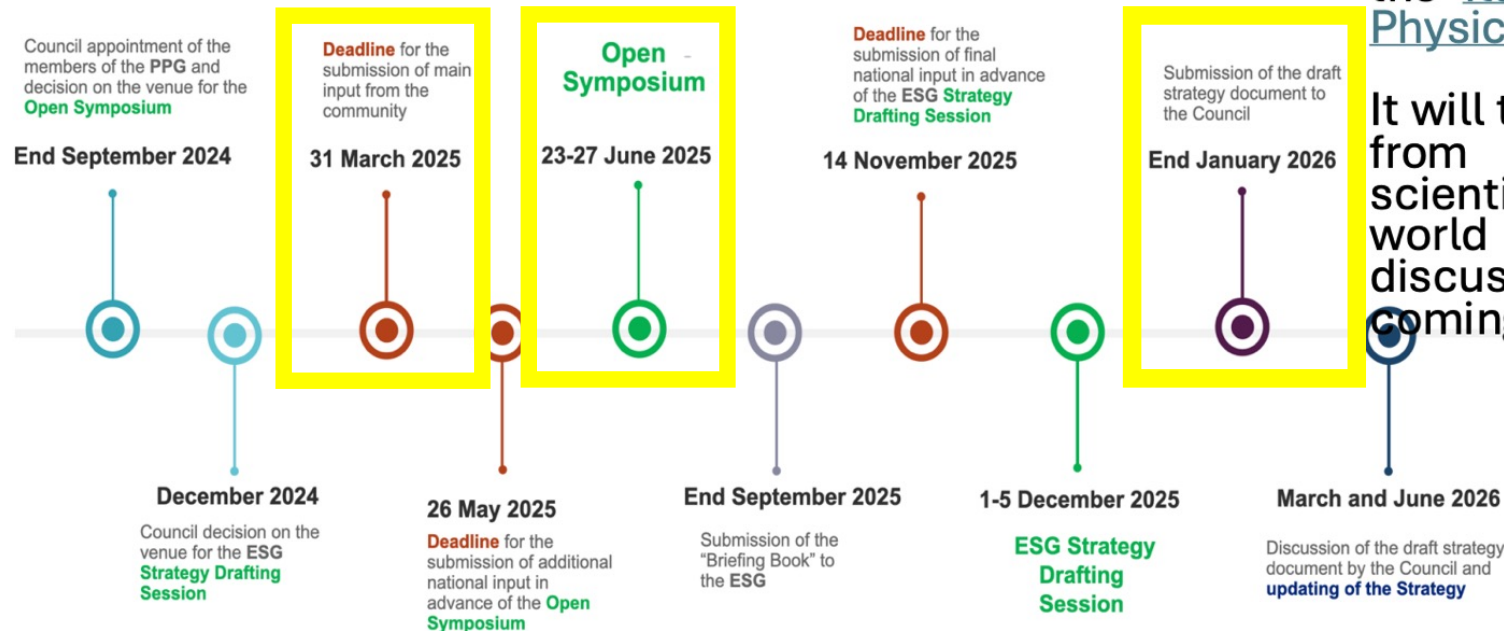
A first class infrastructure to maintain the leadership of European research in particle physics over the 21st century

NEWS - STRATEGIA FISICA DELLE PARTICELLE

- Workshop “Input INFN per la strategia della Fisica delle Particelle 2025-26” 4 Febbraio 2025, Università di Milano Bicocca: <https://agenda.infn.it/event/44313/>

Slides di R. Tenchini

Timeline for the update of the European Strategy for Particle Physics



The Open Symposium of the ESSP 2026 Update is hosted and organized by the [Italian National Institute for Nuclear Physics \(INFN\)](#), with the support of [CERN](#).

It will take place in Italy, at Lido di Venezia, from 23—27 June 2025. It will see scientists and partners from around the world debate the inputs to the ESSP and discuss the goals to be achieved in the coming decades.

EVENTI

- **ATLAS week, 17-21 Febbraio 2025, CERN:** <https://indico.cern.ch/event/1483514/>
 - Please register by Friday 7 February, in particular, if you want to visit the ATLAS experiment
 - Deadline for poster proposals is 12 February

- **Prossime ATLAS week:**

16-20 June	ATLAS Week	CERN
13-17 October	ATLAS Week	Paestum, Italy

- **Incontri di Fisica delle Alte Energie (IFAE), 9-11 Aprile, Cagliari:**
<https://agenda.infn.it/event/44314/>

- È incentivata la presentazione di abstract da parte di dottorandi e neo-dottori di ricerca.
- ai relatori si richiedono presentazioni in lingua italiana
- Iniziata la raccolta di abstract da parte della comunità di ATLAS; si possono inviare le proposte **entro il 23 febbraio** al link:
<https://docs.google.com/document/d/1q19otQ5e9hQoNXXPwAYI6bHh5wLAAHSGkZInkXCpeA/edit?usp=sharing>

EVENTI

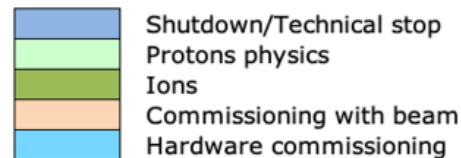
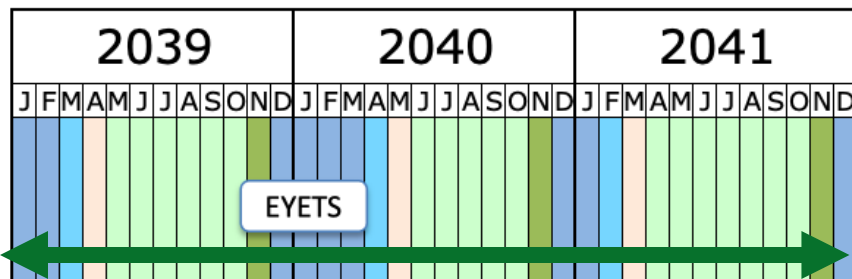
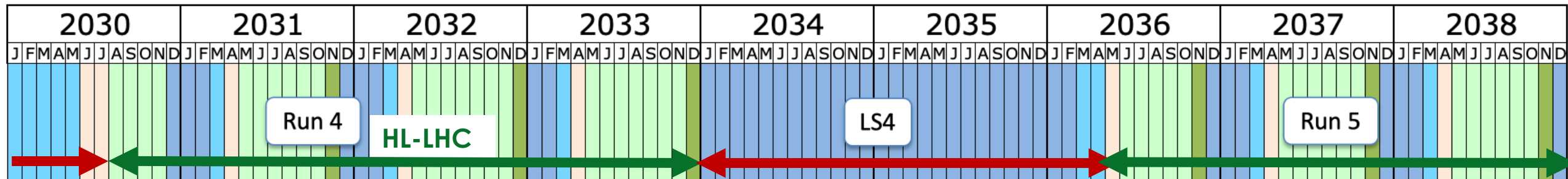
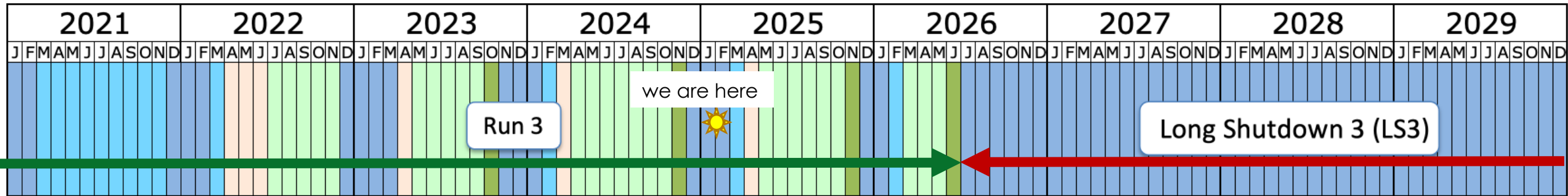
- **Prossima riunione di ATLAS Italia, 7 Febbraio:** <https://indico.cern.ch/event/1508572/>
 - Proposta da Marina Cobal e Michele Pinamonti per fare prossimo **workshop di ATLAS Italia a Udine all'inizio di luglio.**
- **IFD2025 – INFN WORKSHOP for FUTURE DETECTORS, 17-19 Marzo 2025, Sestri Levante (Genova):** <https://agenda.infn.it/event/43956/>
- Ci siamo candidati come possibile location per ospitare il prossimo **workshop HMBS+Exotics (30 giugno- 4 luglio 2025)**
 - Oltre a Milano altre 4 proposte: 3 in UK + Seattle.
 - Votazione nell'ambito dei WG coinvolti **fino al 10 Febbraio.**
 - Slides preparate da Tommaso + LOC: <https://indico.cern.ch/event/1507738/>





BACK-UP

LHC NEWS



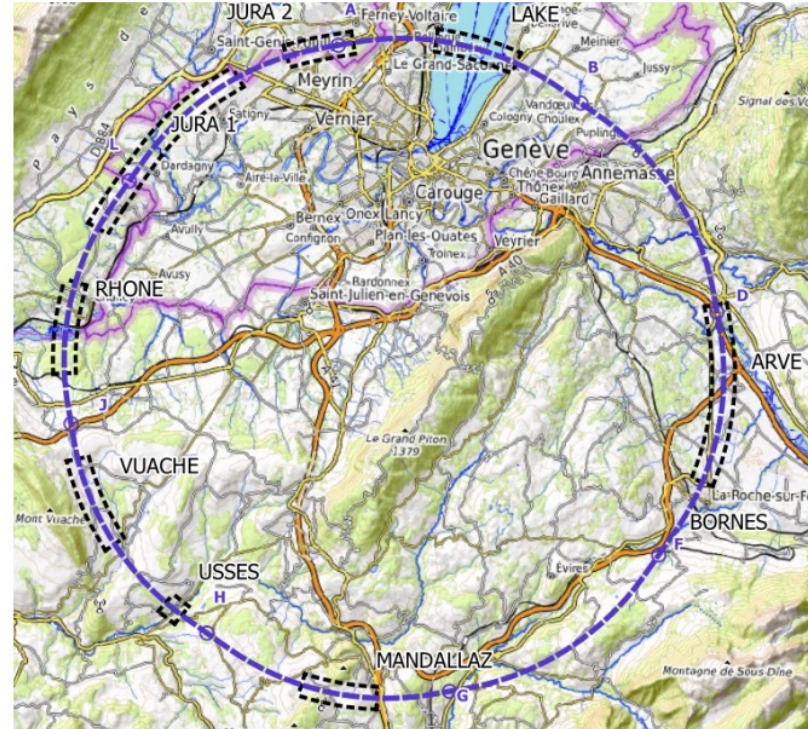
Nuova schedula prevede un anno aggiuntivo prima della fase HL_LHC:
 => **Run 3 esteso fino a giugno 2026**
 => **Partenza HL-LHC: estate 2030**
 Siamo nel YETS che durera' 19 settimane,
La presa dati ripartira' a maggio 2025

After HL-LHC: the FCC integrated project

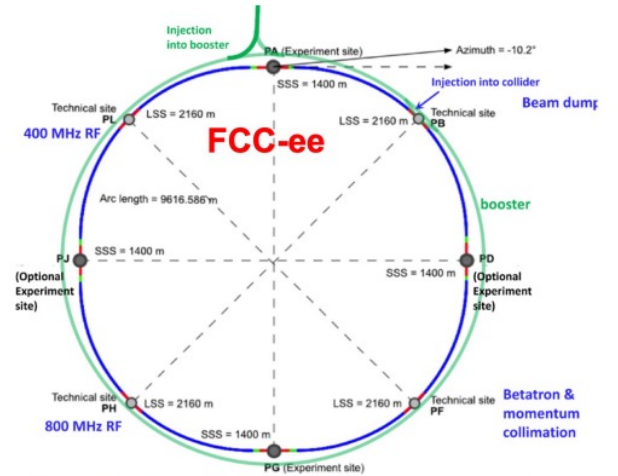
Comprehensive long-term program maximizing physics opportunities

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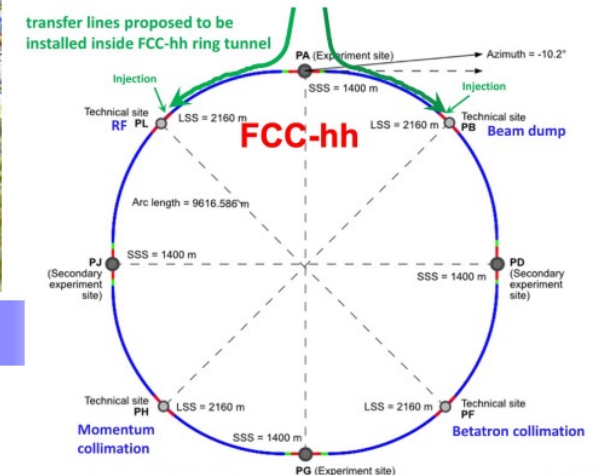
tunnel (90.7 km)



Infrastructure preparation 2020 - 2040



2045 - 2060



2065 - 2090

A first class infrastructure to maintain the leadership of European research in particle physics over the 21st century

Timeline for the update of the European Strategy for Particle Physics



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It will take place in Italy, at Lido di Venezia, from 23—27 June 2025. It will see scientists and partners from around the world debate the inputs to the ESPP and discuss the goals to be achieved in the coming decades.

2026 UPDATE
OPEN SYMPOSIUM
**European Strategy
for Particle Physics**

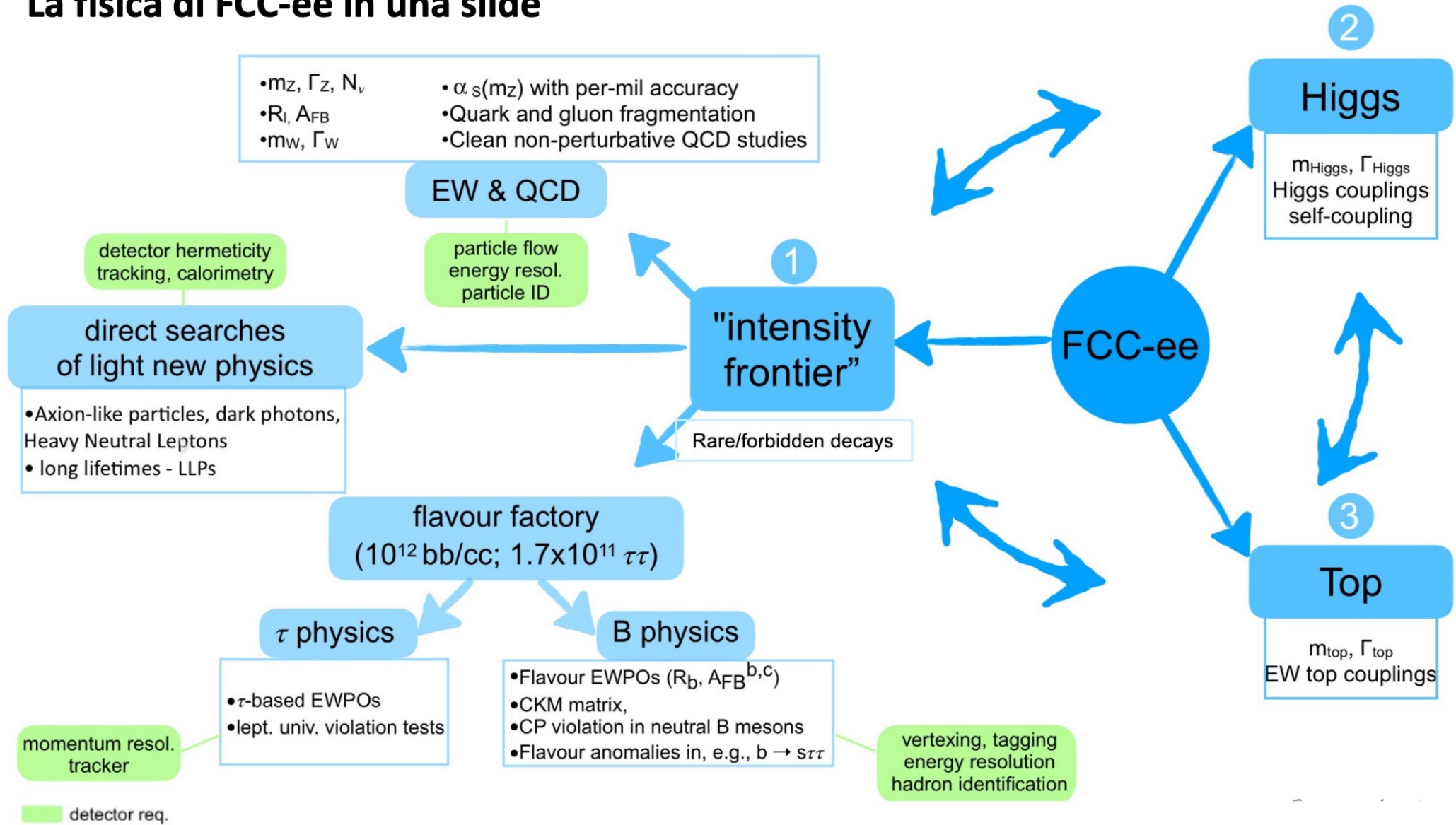


23-27 JUNE 2025



Open Symposium on the European Strategy for Particle Physics

La fisica di FCC-ee in una slide



ATLAS NEWS

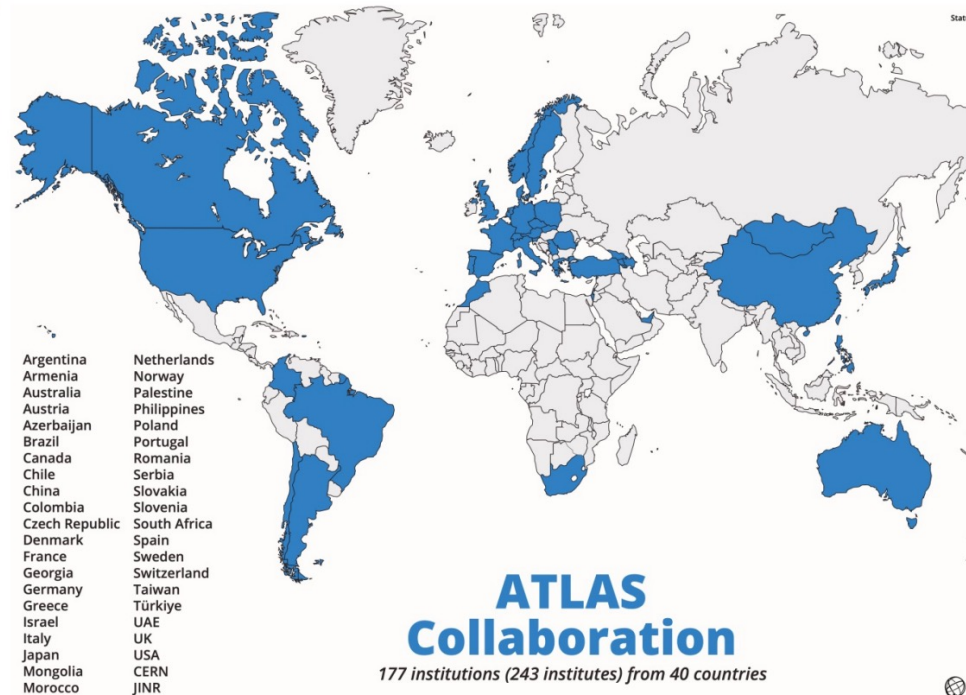
Dal talk di Maria Costa:



Welcome to the new institutes joining in 2024!

- **Technical Associate Institutes:**
 - Youngstown State University, USA
 - Munster Technological University, Ireland
- **Full ATLAS member and clustered institutions:**
 - Institute of High Energy Physics (IHEP), Beijing and Tsinghua University, Beijing (from the splitting of the China IHEP-NJU-THU-SYSU cluster)
 - University of Science and Technology of China (USTC), Hefei and the Shanghai Jiao Tong University (SJTU) together with Tsung-Dao Lee Institute (TDLI), Shanghai (from the splitting of the China USTC-SDU-SJTU-ZZU cluster)
- **New cluster members:** Khalifa University of Science and Technology (United Arab Emirates)

We also said goodbye and thanked our colleagues from **Russia and Belarus** for more than 30 years of contributions to ATLAS.

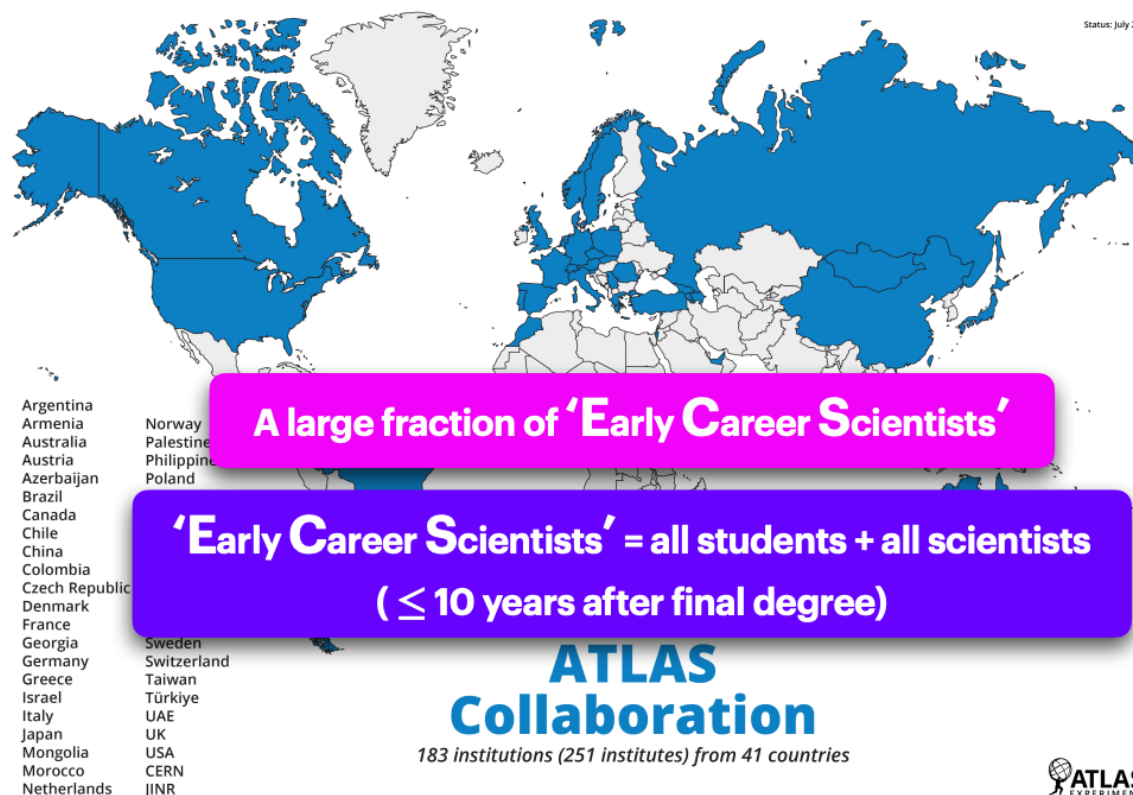


- ~6000 active members
- 2875 ATLAS authors
- ~1200 physics PhD students
- ~450 physics masters/ diploma students
- ~450 undergraduate/ summer students
- ~100 engineering students

ATLAS is composed by 177 Institutions (243 Institutes) and 15 Technical Associate Institutes

THE ATLAS COLLABORATION

- ~6000 active members
- 2875 ATLAS authors
- ~1200 physics PhD students
- ~450 physics masters/ diploma students
- ~450 undergraduate/ summer students
- ~100 engineering students



Proposal of HMBS+Exotics workshop in Milano



Abbiamo dato la disponibilita' di ospitare il primo workshop HMBS+Exotics a Milano (idea suggerita da Tommaso)

- This meeting will be important to discuss goals, activities and milestones for the remainder of Run-3, as well as for strengthening the links between the different members of our communities.
- The venue should have a room capable of hosting around **180-200 participants**, with a **stable zoom connection** to enable remote participation. We'd prefer to hold the **workshop end of June, July, September or October**.
- We would then like to have **a more complete proposal by January 20th**, with the details:
 - Venue location and room sizes
 - Proposed week(s) to host the workshop (if proposing dates outside the preferred months, please justify)
 - Workshop dinner & lunch options
 - Rough price (fees, lodging options, meals, travel options)
- **Chi vuol far parte del comitato organizzativo (anche dottorande/i) ci contatti cosi' vi aggiungiamo alla chat per discutere tutti i dettagli.**

In which group am I?

HMBS



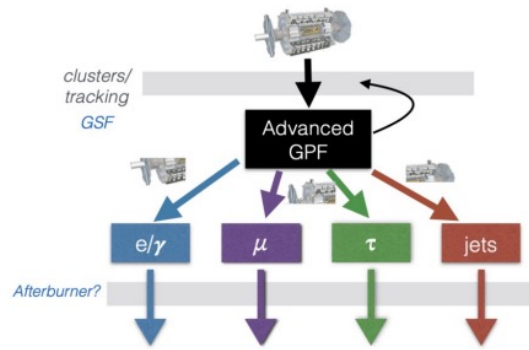
Higgs, Multi-Boson and SUSY searches*

HIGP



Higgs and Di-Higgs Physics (HIGP)

GPFR



Global Performance
Exploring different ATLAS's approaches to advanced particle flow



Exotics



All LLP searches collaborating within EXOT

<https://indico.cern.ch/event/1484265/>