

General news

Congratulations to Francesco as senior researcher @ INFN

Congratulations to Riccardo as post-doc @ INFN (ePIC)

Congratulations to Giovanni as post-doc @ UniBo (ALICE)

and... congratulations to SofiaS Riccardo Giovanni for finalising PhD thesis!

Meetings & activities

ALICE upgrade week 7-11 Oct 2024 <https://indico.cern.ch/event/1415726/timetable/> ([Bianca](#) + [Daniele](#) talks)

ALICE3-TOF test beam: ends today!

ePIC BO-SA-CS meeting (today and yesterday!)

ePIC General meeting → this week (1st November, at 3:30 PM, not 4:30 PM)

ALICE mini-week → next week

ALICE Physics Week (Salerno, 2-4 Dec) <https://agenda.infn.it/event/41652/overview>

ALICE Italy meeting (Brescia, 16-18 Dec) <https://indico.cern.ch/event/1455329/>

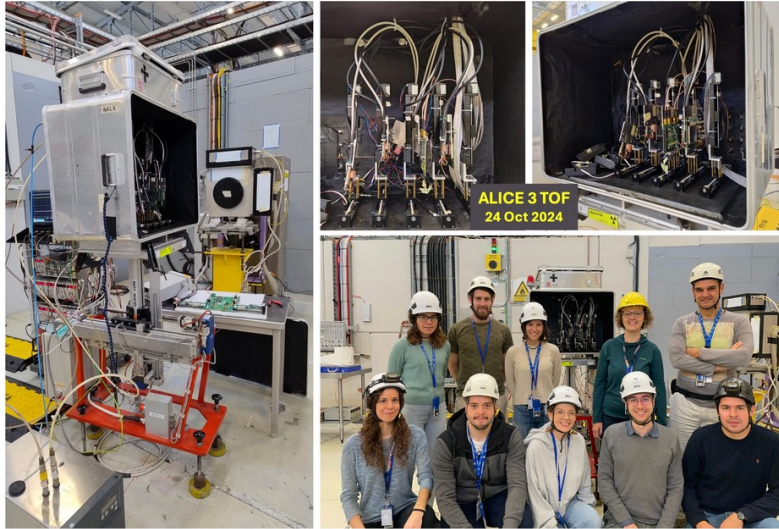
ePIC Collaboration meeting (Frascati, 20-24 Jan) <https://agenda.infn.it/event/43344>

ALICE & LHC news. → future

NEWS AND ANNOUNCEMENTS

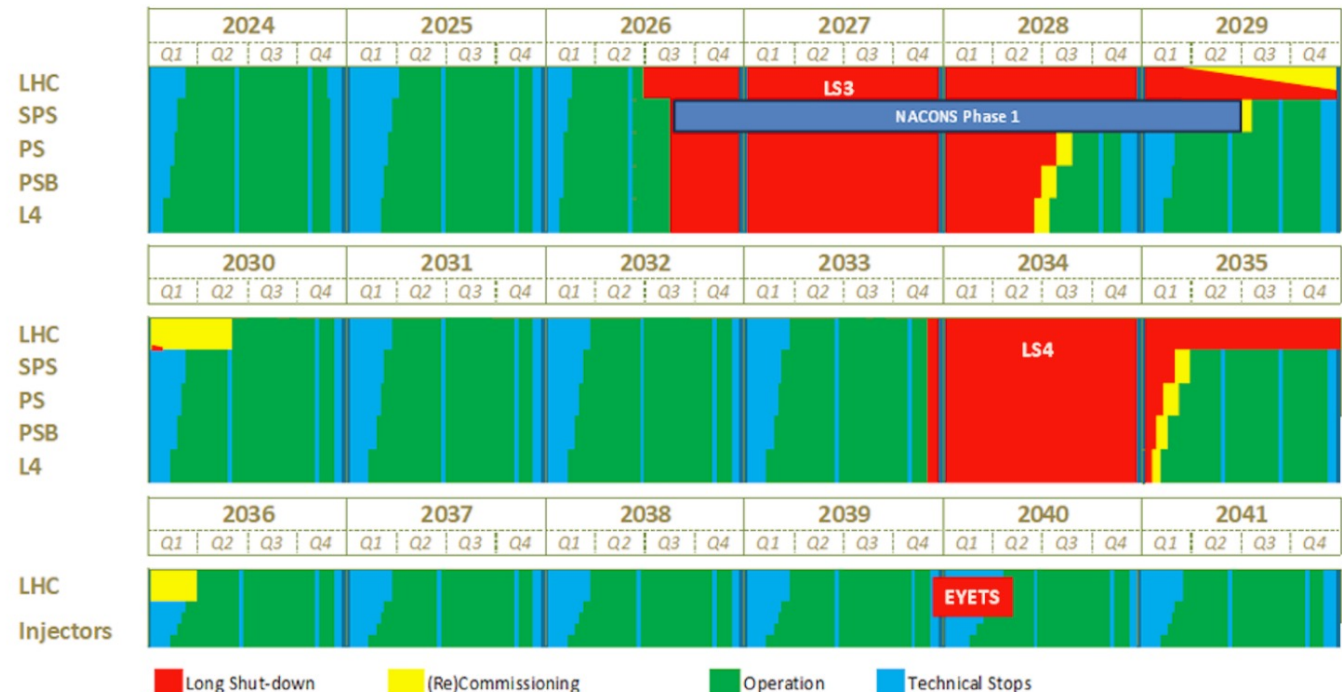
Highlight in last 25 October newsletter

- **The 2024 test-beam campaign for the ALICE 3 TOF project:**
R&D for the ALICE 3 Time Of Flight: test beams for the characterization of CMOS-LGAD sensors, optimized for timing measurements, are ongoing at the PS from 16 October.

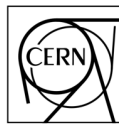


New long term schedule of LHC: 2026 we run

Long Term Schedule for CERN Accelerator complex



<https://arxiv.org/pdf/2410.17769>



CERN-EP-2024-265
08 October 2024

First measurement of A = 4 (anti)hypernuclei at the LHC

ALICE Collaboration*

European Particle Physics Strategy: towards FCC?

Major strategy document at European level for particle physics (HEP). “high-level”

Current strategy is [here](#): HL-LHC and set pathway to FCC (instructs DG to prepare feasibility study) + “physics beyond colliders”

Note that ALICE and ePIC per se belongs to “nuclear physics strategy” which is called NuPECC Long Range Plan, which has been just [approved](#) (June 2024) and it will be presented next [19th November](#). Normally EPPS has “links” to NP strategy

However the future of major European infrastructure (CERN – LHC → CERN - ?) is key and brings us into the ‘40s of this century. US approved its long range plan ([P5: Particle Physics Project Prioritization Panel](#)) for particle physics this year pushing for a muon collider

Process launched in March 2024, will last until 2026

Currently: many INFN “local” discussion, next slide the workshop day in Bologna



Workshop di Sezione per la discussione della Strategy Europea sulla Fisica delle Particelle

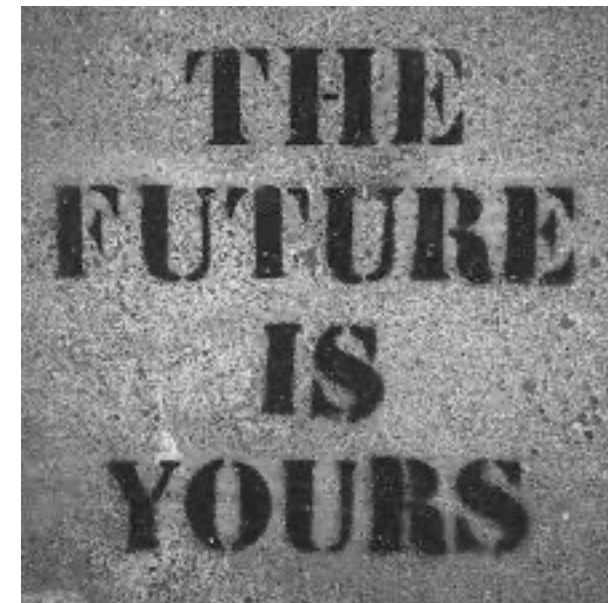
Thursday 7 Nov 2024, 09:00 → 18:00 Europe/Rome

BP-2B (Aula Biomedica) (Dipartimento di Fisica, Viale Berti Pichat)

Beenedto [✉ giacobbe@bo.infn.it](mailto:giacobbe@bo.infn.it)
Giacobbe

09:00	→ 09:15	Introduzione	🕒 15m
Speaker: Benedetto Giacobbe (Istituto Nazionale di Fisica Nucleare)			
slides-ESPP.pdf SM_ECR_Strategy.pdf			
09:15	→ 09:40	La visione del Direttore	🕒 25m
Speaker: Eugenio Scapparone (Istituto Nazionale di Fisica Nucleare)			
09:40	→ 10:00	i Detector R&D (DRD) nella Strategy Europea	🕒 20m
Speaker: Riccardo Farinelli (Istituto Nazionale di Fisica Nucleare)			
10:00	→ 10:20	Tecnologie di elettronica per il futuro	🕒 20m
Speaker: Riccardo Travaglini (Istituto Nazionale di Fisica Nucleare)			
10:20	→ 10:40	Il calcolo nell'era post HL-LHC	🕒 20m
Speaker: Luca Dell'Agnello (Istituto Nazionale di Fisica Nucleare)			
10:40	→ 11:10	DISCUSSIONE #1	🕒 30m
11:10	→ 11:25	Attività a Bologna: Fase-2 di DUNE	
Speaker: Sergio Bertolucci (UNIBO/INFN)			
11:25	→ 11:40	Attività a Bologna: MuColl	
Speaker: Fabio Maltoni (Istituto Nazionale di Fisica Nucleare)			
11:40	→ 12:00	Attività a Bologna: FCC	
Speaker: Iacopo Vivarelli (Istituto Nazionale di Fisica Nucleare)			
12:00	→ 12:30	DISCUSSIONE #2	
12:30	→ 12:50	Panorama sugli acceleratori futuri	
Speaker: Massimo Giovannozzi (CERN)			
12:50	→ 13:10	DISCUSSIONE #3	

stay tuned!



14:15	→ 14:40	La Fisica nell'era post HL-LHC: Standard Model & beyond	🕒 25m
Speaker: Fabio Maltoni (Istituto Nazionale di Fisica Nucleare)			
14:40	→ 15:00	La Fisica nell'era post HL-LHC: la fisica del flavour	🕒 20m
Speaker: Stefano Perazzini (Istituto Nazionale di Fisica Nucleare)			
15:00	→ 15:15	La Fisica nell'era post HL-LHC: osservabili quantistici	🕒 15m
Speakers: Federica Fabbri (University of Bologna and INFN), Federica Fabbri (Istituto Nazionale di Fisica Nucleare)			
15:15	→ 15:45	DISCUSSIONE #4	🕒 30m
15:45	→ 17:00	TAVOLA ROTONDA: La prospettiva dei giovani	🕒 1h 15m
Speakers: Alberto Mengarelli (Istituto Nazionale di Fisica Nucleare), Daniele Fasanella (Istituto Nazionale di Fisica Nucleare), Elisa Sanzani (Istituto Nazionale di Fisica Nucleare), Francesco Chiapponi (Istituto Nazionale di Fisica Nucleare), Giuseppe Carratta (Istituto Nazionale di Fisica Nucleare), Marianna Fontana (Istituto Nazionale di Fisica Nucleare), Nicola Rubini (Istituto Nazionale di Fisica Nucleare), Riccardo Farinelli (Istituto Nazionale di Fisica Nucleare)			