



CERN Status and News

Plenary RRB 56th Meeting

Joachim Mnich

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Main Discussion Points 56th LHC RRB

- ❑ **M&O budget requests for 2024**
- ❑ **Status & Progress Phase II Upgrades**
 - ❑ Schedule and cost developments
 - ❑ Compensation for contributions from institutes in Russia, Belarus & JINR
- ❑ **Publications: agreement on author/institute list**
- ❑ **Phase IIb upgrades ALICE and LHCb**
 - ❑ Special meetings on Thursday
- ❑ **Schedule of future RRB meetings**

Council Resolution June 17th, 2022

Reminder:

The Council declared that it intends to terminate CERN's International Cooperation Agreements (ICAs) with the Russian Federation and the Republic of Belarus at their expiration dates in 2024 (Dec 2024 and Jun 2024, respectively). However, the situation will continue to be monitored carefully and the Council stands ready to take any further decision in the light of developments in Ukraine.

The Council also decided to review CERN's future cooperation with the Joint Institute for Nuclear Research (JINR) well in advance of the expiration of the current ICA in January 2025.

(see <https://council.web.cern.ch/en/content/resolutions> for details)

Note:

- Experiments will present the 2024 M&O A/B requests including the expected contributions from Russia/Belarus and JINR
- Council will have to decide & announce its decision on the termination/continuation at least 6 months before the expiration date

Publications

Agreement between the 4 large LHC collaborations found:

- ❑ Common voting of the Collaboration Board members
- ❑ Largest support found for so-called option C (see below)
- ❑ LHC collaborations are gradually starting publishing again (backlog was > 100 papers)
- ❑ Management strongly encourages all other CERN experiments to adopt the same procedure

Authors affiliated with Russian or Belarussian institutes, or with JINR, sign the Collaboration's scientific publications with their names and ORCID identifiers (where available), and the institute affiliation is replaced, respectively, by the reference:

"Affiliated with an institute [or an international laboratory] covered by a cooperation agreement with CERN."

The complete author list including all institute affiliations is made available to the journal in a non-public form for the purpose of machine-readable analysis or as historical data.

The publication committees of the collaborations will be charged with investigating the technical implementation details with the journals.

No acknowledgement to the Russian and Belarussian funding agencies and JINR is made.

On request, the experiment management will release a certificate attesting the contribution of the aforementioned institutes and funding agencies, or of JINR, to the work presented in the publication

This agreement has been communicated in two letters to Russian Minister Falkov and JINR Director Trubnikov

Visitors: 49 protocol visits Jan-Mar 2023

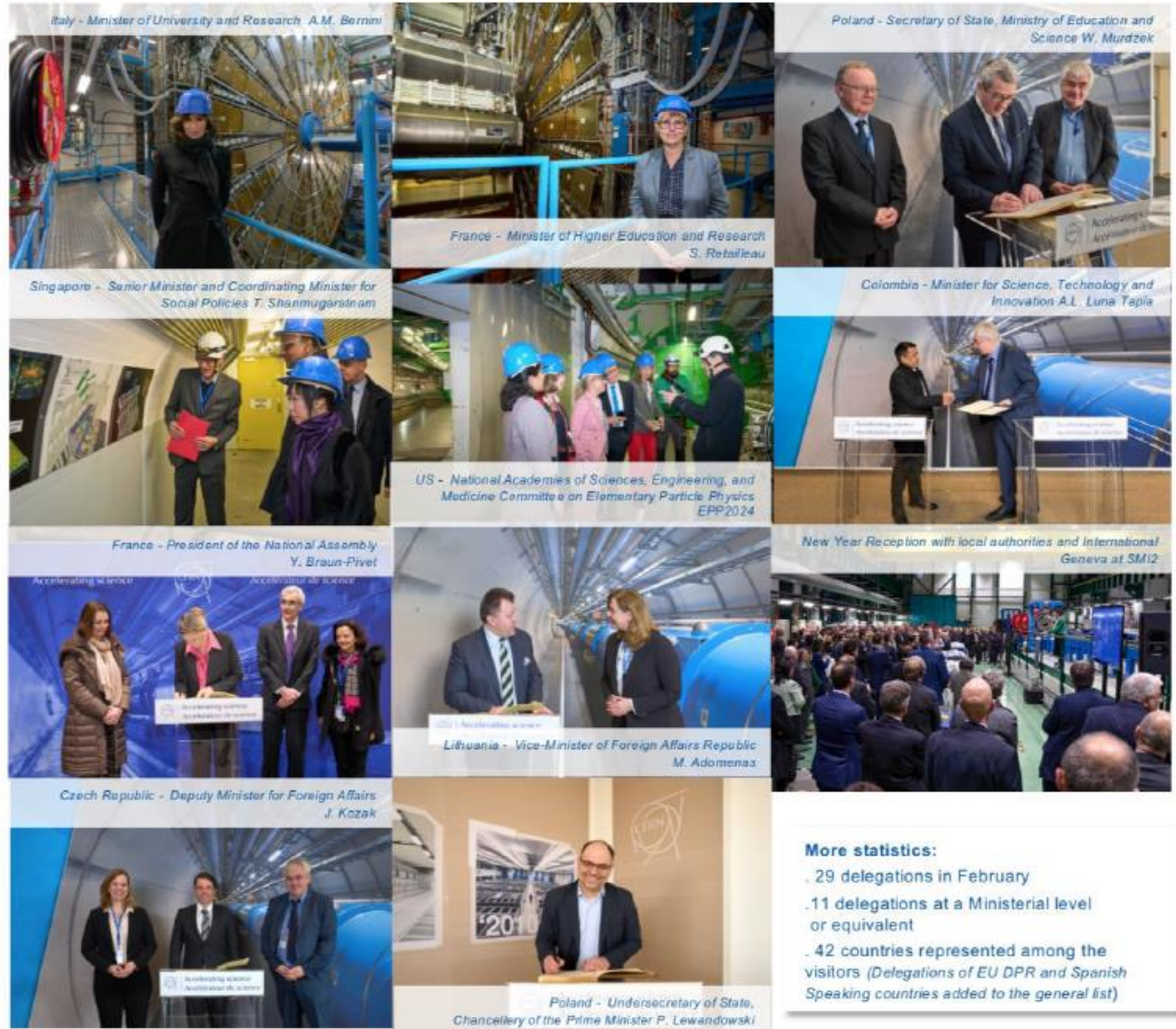
Member States:	33
Austria	1
Czech Republic	1
Denmark	1
France	9
Germany	2
Greece	1
Israel	2
Italy	3
Netherlands	2
Poland	2
Romania	1
Spain	2
Swiss Confederation	3
United Kingdom	3

Associates :	3
Croatia	1
India	1
Lithuania	1

Observers :	4
UNESCO	1
United States	3

Non-Member States :	4
Chile	1
Colombia	1
Singapore	1
Venezuela	1

Others:	5
. DG New Year Reception	1
. EU Deputy Permanent Representatives	1
. Ambassadors of Spanish Speaking Countries	1
. Cercle des amis du SGW	1
. ICRC Director	1



To be compared with:

- 2018: 49 visits
- 2019: 19
- 2020: 18
- 2021: 7
- 2022: 39

More statistics:

- . 29 delegations in February
- . 11 delegations at a Ministerial level or equivalent
- . 42 countries represented among the visitors (Delegations of EU DPR and Spanish Speaking countries added to the general list)

Science Gateway

Nearing completion

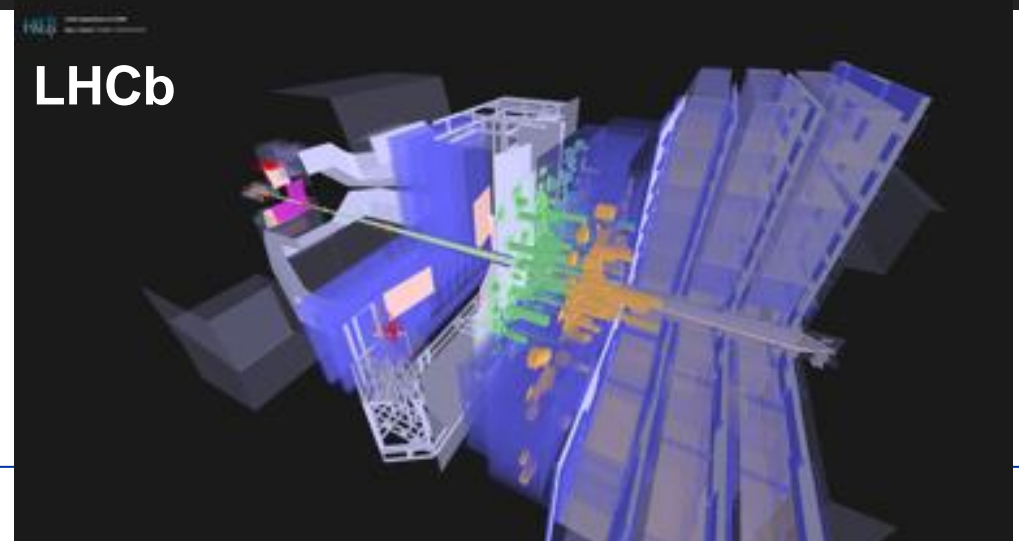
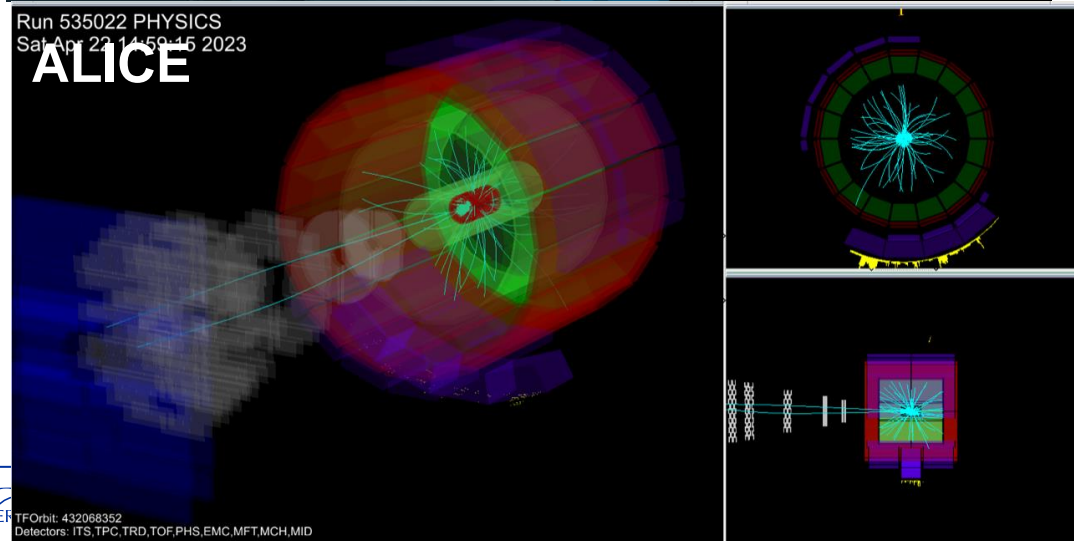
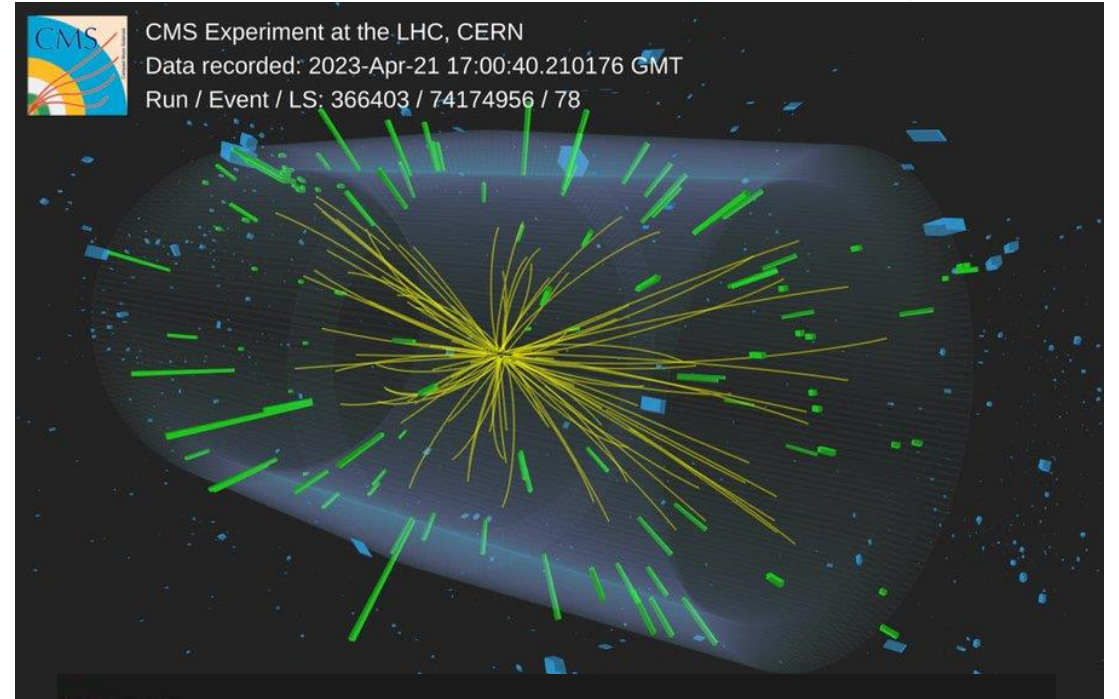
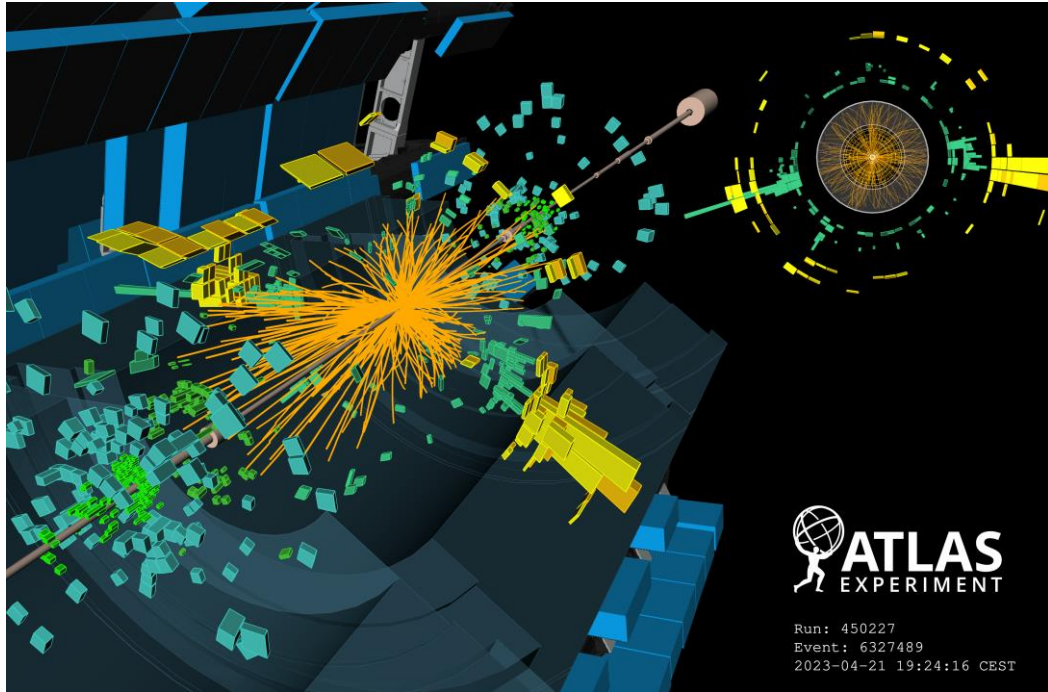
- ❑ Inauguration Saturday October 7th, 2023
- ❑ Event with High-level invitees planned

First scientific event in Science Gateway:

- ❑ Celebrate 50 years of neutral current and 40 years of W/Z discoveries
 - looking back at the discovery,
 - what has been learned since then,
 - prospects for future precision measurements
- ❑ Date still to be announced



2023 Run started: First 13.6 TeV collisions last Friday



Backup

CERN's Response to the Energy Crisis

- ❑ In response to the apparent shortage of (electrical) energy in Europe, and in particular France, and as a mark of social responsibility CERN decided to
 - ❑ Start the 2022 Year-End-Technical-Stop (YETS) 2 weeks earlier (November 28 rather than mid December)
 - ❑ Prepare reduced power configurations for possible EDF load shedding scenarios
 - ❑ Reduce the operation of the accelerator complex in 2023 by 20% (YETS 2023/24 will be extended from 15 to 19 weeks)
- ❑ To address the potential longer-term impact of high electricity costs a package of measures for 2024-2032 is being prepared to be discussed with Council in December
 - ❑ Including stretching/de-scoping of CERN's activities, savings on personal costs, indexation of member states contribution beyond the 2% cap
 - ❑ Measures to reduce energy consumption on the CERN campus are being implemented

Impact of Council Resolutions on the LHC Experiments

- ❑ Institutes in Russia, Belarus and JINR remain members of the collaborations (until 2024/25)
 - ❑ Collaborators from these institutes continue to contribute to the operation of the experiments
 - ❑ Expect contributions, incl. outstanding contributions, to the M&O budgets from these institutes
 - Note: transfer of money from Russia to CERN is complicated but at the moment still possible

- ❑ Contributions (ca. 20 MCHF) to ATLAS & CMS Phase II upgrades from institutes in Russia, Belarus and JINR
 - ❑ Strong recommendation by LHCC to develop plans to become as much as possible independent of (time-)critical in-kind contributions
 - ❑ Will require additional contributions from collaborating partners
 - Fair share may not be fully applicable as special expertise and infrastructures are required to avoid time delays and loss of quality
 - ❑ Note: contributions to the HL-LHC accelerator upgrade have been fully in-sourced by CERN