

Science4Peace Forum



All infos on: [Science4Peace Webpage](https://science4peace.com/Public-Events/Entries/2024/3/science4peace-initiative-cern-and-international-cooperation.html)

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H. Schopper birthday



- H. Schopper, former director of DESY and CERN, turned 100.

Happy birthday !

- H. Schopper was promotor of Science4Peace, not only in peaceful times, but also under difficult conditions → see his article in [CERN courier](#) in Sept 2022
- For his 100 birthday, symposium at CERN: [Herwig Schopper - a century in physics](#)
 - many talks, SESAME explicitly mentioned his Science4Peace engagement
- I send a birthday mail to him, also on behalf of the Science4Peace Forum (where his is also subscribed).

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News



- article in [CERN courier](#) published
 - thanks a lot to all who helped and supported this, but special thanks to J. Ellis for his enormous support – without him the article would not have been published :)
- article in [“Geneva Observer”](#) on CERN councils decision
 - with mentions of J. Ellis, S. Glazov and Science4Peace Forum and our statements
- Next CERN council meeting: 18-22 March

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Discussion



Discussion on Reaction on CERN council decision

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CERN council decision



- News from the December 2023 CERN council decision (mail from F. Gianotti CERN DG):
- International Cooperation agreements with [Russian Federation](#) and the [Republic of Belarus](#) will come to an end on 27 June 2024 for the Republic of Belarus, and on 30 November 2024 for the Russian Federation. All relations between CERN and Russian and Belarusian institutions will cease as of these dates. Relations continue with scientists of Russian or Belarusian nationality otherwise affiliated with CERN.
- “To terminate, *mutatis mutandis*, all other agreements and experiment memoranda of understanding allowing the participation of the Russian Federation and its national institutes in the CERN scientific programme, with effect from 30 November 2024”

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Comments on paper draft



- Some comments on paper draft (from people who cannot attend this meeting):
 - should wait with publication for after CERN council meeting, not to risk positive decision on JINR
 - should have paper based on general principles, without detailed references to the Russia-Ukraine conflict (of course, a reference must be made, but without going into details), but focussed on the consequences that Council decisions like this may have on international scientific collaboration.
 - message to the council: cancel this bad decision and don't repeat it again in future, for whatever reason and for whatever conflict.
 - separately, there could be other actions to try mitigate the present case, but not now

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New structure of paper draft



- New structure according to last discussion
 - **The historical international cooperation at CERN and the Science for Peace mission**
 - CERN mission and connection to UN
 - short description of cooperation with Soviet/Russian institutes
 - mention of non-military research at CERN and Civil Clause
 - mention of cooperation at other institutes
 - **The damage to international relations**
 - CERN council decision
 - breaking of 70 year old history at CERN
 - possible consequences: short term and long term

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New structure of paper draft



- **The Science4Peace Initiative**
 - short term
 - grant continued access to data
 - sign publications either only with names or else state their affiliations, on an equal basis.
 - longer term (Science4Peace Initiative)
 - encourage international scientific cooperation
 - continue with scientific communication between individuals
 - start dedicated new projects
 - organize scientific conferences fully online to allow participation from everywhere
 - organize international summer-schools (perhaps also fully online) for all students.

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Science4Peace Initiative



A Science4Peace initiative: Against sanctions and exclusions in international scientific cooperation

All

March 7, 2024

Some Highlights form paper draft

1 The historical international cooperation at CERN and the Science for Peace mission

In the aftermath of World War II, nations came together and formed the United Nations (UN) with the purpose, as stated in the first article of the UN charter [1], "... to take effective collective measures for the prevention and removal of threats to the peace". With more than 100 wars and military conflicts since then [2], we are further away than ever from this ideal. This marks a significant failure of diplomacy to prevent those wars.

In a similar spirit as the UN, CERN was founded in 1954 to bring nations together through peaceful scientific collaboration. Remarkably, just one year after its foundation, cooperation between CERN and Soviet scientists began via the Joint Institute for Nuclear Research (JINR) in Dubna [4] and then, in 1967, via the Institute for High Energy Physics in Protvino close to Serpukhov. In 2014, on the occasion of CERN's 60th anniversary, the then Director-General Rolf Heuer wrote that "CERN has more than fulfilled the hopes and dreams of advancing science for peace".



Figure 1: Thousands of Russian military shells made of brass were melted for the use in the CMS detector (from [3])

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Science4Peace Initiative



We therefore propose, as an immediate step, to limit negative consequences in the present situation:

- grant continued access to data, and any knowledge resulting from the experiments, to the collaborating scientists, without any discrimination. In the present crisis, CERN should work out a *modus operandi* by fostering collaborations through international institutes, such as JINR, Dubna, Russia, enabling scientists of a large number of affiliated countries access to CERN,
- sign scientific publications either only with names (leaving out affiliated institutes and laboratories), or else state their affiliations, on an equal basis for all, acknowledging also the support received from the organizations and funding agencies in carrying out the experiments.

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Science4Peace Initiative



We therefore propose, as a Science4Peace initiative:

- allow and encourage international scientific cooperation among all countries committed to the United Nations.
- continue with scientific communication between individuals and continue producing common scientific publications on fundamental physics,
- start dedicated new projects in theory and phenomenology, as well as in experimental physics based on openly accessible resources, for interested scientists on the basis of universal scientific goals, independent on the nationality, gender or color of the scientists
- organize scientific conferences fully online to allow participation from everywhere without restrictions on nationality and funding opportunities for travel (as an additional effect, this will reduce significantly travels and the ecological footprint) [44]
- organize international summer-schools (perhaps also fully online) for students.

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Discussion



- Discussion:
 - how can we support keeping cooperation with JINR, at least ?
 - discussion in experiments is difficult, since some countries openly oppose further cooperation even with JINR.
 - will present paper help supporting cooperation with JINR ?
 - keep structure of draft or split into general and concrete pieces ?
 - publish on arXiv before CERN council meeting (which means next week) ?
 - how to protect CERN (if ever) against further political decisions ?
 - if we publish, who will sign ?

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AOB



- AOB

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- Science4Peace Webpage: <https://science4peace.com/>
 - Science4Peace Fund
 - source can be used to support with a small amount scientists
 - donations can be made online with PayPal

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Organization



- Science4Peace Webpage: <https://science4peace.com/>
 - Science4Peace Fund: ZOOM account and web page independent of any institution
- Please check <https://science4peace.com/> for further infos:
 - collection of links to statements from research institutions
 - public events (like this one, with slides)
 - any other further infos
- For discussions on Science4Peace matters, please use (and register) at our Signal channel ([Signal registration](#))