



International  
Muon Collider  
Collaboration



MuCol

# PSC

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for the International Muon Collider Collaboration

IMCC ICB, October 2023

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D. Schulte

PSC, ICB meeting, October 2023

# Introduction



7.1. The Participants shall jointly publish the results of their collaboration as Open Access publications.

7.2. Publications shall acknowledge the collaboration between the Participants, including, wherever appropriate, the experts having taken part in the development of the results covered by the publication.

MoC places duty to implement this on SL ("organise and guide the study", "ensure coherent communication")

- but needs to be delegated as in basically all large collaborations

Needs to be done with whole collaboration (ICB) and beyond

Therefore need a special body, the Publication and Speakers Committee (PSC)

- Chair selected by SL and ICB (already done: Elias Metral)
- PSC reports to SL and ICB (and MuCol GB, to simplify our life)
- Rules to be endorsed by the ICB

As he announced at the beginning Elias Metral cannot be here today

# Introduction



The rules are based on the one used for CLICdp

- They have proved effective in a very long study

Many long discussion between Nadia, Steinar and myself and in the CC iterated on the rules and increased the level of detail

Received some comments from Europe and the US

- Suggestions from Herbert de Gerssem to collect more data (references, author contribution)
  - We will try to make an effort but not include this in the PSC rules at this moment
- Suggestions from Simone Pagan Griso and US collected by Sergo Jindiriani
  - How to motivate people to submit to the PSC and how to make sure that we do not miss an author
- Suggestions from our publication experts
  - Just to make people again aware of the open access rule in the MoC
- At the last moment a very long list of suggestions from INFN
  - Attempted to address them all

# Publication and Speakers Committee



The Publication and Speakers Committee (PSC) is responsible for implementing policy with regards to all types of publication from the International Muon Collider Collaboration (IMCC):

- The PSC consists of a Chair and at least five other members. The PSC chair is proposed by the Study Leader (SL) and approved by the International Collaboration Board (ICB);
- The other members of the publication committee are selected by the study leader in consultation with the chair of the PSC. While preserving continuity, a certain degree of rotation in the chair and membership roles of the Publication Committee is desirable, calling for a replacement of a fraction of the members each year. Normally, a mandate should last two years. Suggestions for new members are encouraged and should be made to the PSC chair. The SL will inform the ICB about new members;
- The PSC is responsible for both implementing the review procedure for papers/notes and maintaining the internal documentation/web pages;
- The PSC will define its internal process. For the reviews it will seek support from experts;
- The PSC regularly reports to the SL, ICB and other relevant governance bodies.

Member work load, rotation etc needs to be found out

PSC also reports to MuCol Governing Board (“other relevant governance bodies”)

The PSC is also responsible for organising conference presentations on behalf of the IMCC:

- For plenary talks and other particularly important public presentations, the PSC in consultation with the SL, proposes the name of the speaker, taking into account the nature of the meeting;
- The PSC is responsible for maintaining a list of talks from the members of the IMCC;
- For major relevant workshops and conferences the PSC should propose a list of possible contributions to optimise the visibility of the study;
- Normally, slides should be made available for comments at least two days before the talk will be given;
- The PSC is responsible for ensuring that the collaboration is aware of significant conferences where results from the muon collider study could be presented. The PSC, together with the SL and supported by the ICB and SB chairs, is responsible for lobbying for talks at major meetings;
- For major HEP conferences, it is the responsibility of the PSC to submit abstracts on behalf of the IMCC;
- In the case where a specific person, has been asked to speak at a conference, they must inform the Chair of the PSC;
- Important project managerial reports must be approved by the SL. The SL will ensure appropriate consultation within the management team and that the Chair of the PSC is informed.

# Publication Rules



Five types of publication are covered, each with specific rules:

- **Collaboration-wide papers**, journal papers such as reviews summarizing broad areas of the accelerator, technologies, detector or physics at the muon collider;
- **Single/multiple author papers**, journal papers based on a specific study, for example a paper summarizing the physics sensitivities from a physics analysis;
- **Notes** (which are not submitted to a journal) but are publicly available;
- **Conference proceedings**.
- **Community Papers**, they express the opinion and support of the community. For instance, papers submitted to the ESPPU or to the Snowmass process may fall under this category. In this case the PSC will manage the process to call for authorship and support to the paper.

In addition there will be categories of

- **Internal Notes** that will not be reviewed or made publicly available. Such notes are intended solely for internal use. These notes will provide reference material for the collaboration, for example, to document technical details of a study.
- **Theses** (PhD and Master) that have been submitted and defended at the home university / institute of the student. These are not reviewed by the collaboration.

# Journal Publications



The IMCC will present its results in various types of paper, ranging from single/multiple author papers to collaboration-wide publications.

In all cases it is the responsibility of the PSC to organize the review of the publication and for the formal sign-off. The publication procedure is as follows:

- For all journal publications, there will be an open review process;
- Collaboration-wide publications will use the IMCC author list;
- The author list for other journal publications will be determined by the authors, but is subject to review by the PSC. Such papers should acknowledge the IMCC study;
- The PSC will assign two reviewers for publications.
- After the two-week review period the authors will produce a final draft paper based on the comments received;
- Where there are unresolved issues or disagreement, the PSC chair will adjudicate;
- It is the responsibility of the PSC to ensure that the comments have been addressed and to formally approve the paper for submission to the journal;

Once approved, it is the responsibility of the authors to submit the paper to the journal and place it in the archive.

# Conference Proceedings



The rules for conference proceedings are as follows:

- Conference proceedings will be submitted under the name of the presenter and will include the words “endorsed by the IMCC” or “on behalf of IMCC”, following the general rules below. The presenter can add additional names as authors;
- It is the responsibility of the PSC to initiate the one-week review process;
- At the end of the one-week review period, the author(s) should prepare the final document – no further iteration is necessary.

The one week period is used to match the accelerator conferences timescale



# Notes



The rules for publicly visible publications are as follows:

- Notes appear under the names of the author(s);
- It is the responsibility of the PSC to initiate a two-week review process;
- At the end of the two-week review period, the author(s) should prepare the final document.

# General Rules



Following the MoC the PSC will strive for open access. All publications that are approved by the PSC will include the words “endorsed by the IMCC” if the authors present their own work or “on behalf of IMCC” if the work of the collaboration is presented. The PSC proposes which report qualifies for the later and confirm this with the SL, supported by the CC. The reports will receive a muon collider note number and be made available on the server of the host organisation. Exceptions can be made provided they do not conflict with the MoC.

This has been added to be clear about the open access and the sever that we use

Also in the last CC it was felt that we need to distinguish between endorsed by and on behalf of the IMCC

# Collaboration Author List



The PSC will maintain the official collaboration author list and ensure that it is updated when needed.

- Authors should have made some contribution to the IMCC study over the course of the preceding years;
- It is the responsibility of the ICB representatives to provide a list of authors from their institute to the PSC.
- The PSC will also seek author names from institutions that are not formally part of the IMCC but are contributing to the study. In particular, institutions that are part on another collaboration that is contributing to the muon collider study;
- It is the responsibility of the PSC to ensure that the lists are reasonable and to iterate with the ICB representatives;

This section has been rearranged a bit

The requirement to be an author is to have made a contribution

Main source of author lists are institutes

# Collaboration Author List



- On their request, the PSC adds authors from other institutes provided they contributed to the study. In particular, if they are proposed by an area leader or if they are author of a paper published with agreement of the PSC. The PSC will strive to make potential authors aware of the opportunity and use all relevant contacts and mailing lists that may help with this;
- The complete author list is approved by the SL and distributed to the ICB and the collaboration for a final check.
- On collaboration wide publications, authors will be listed alphabetically;

The author list of community papers will include that of the collaboration wide papers and include additional authors that wish to express their support.

Other authors can be added on their request (legal requirement, data protection)

- E.g. a poor student whose professor is too busy to respond to the PSC

The PSC will be active to reach out, e.g. use our mailing lists, ask area leaders to contact potential authors ..

Community papers will also have authors that just want to express support

# Final Rule



These rules will be updated as the collaboration develops.

Just to make clear that this is for now not for ever