

Status Report: Results Release Committee

Rongrong Ma
01/23/2025

Charge from CC

The policy we aim to establish will address the following key areas:

Approval procedure

- Preliminary Results: Defining the process and timeline for approving, updating, and managing preliminary results.
- Final Results: Defining the process and timeline for approving, updating, and managing final results.

Templates

- Documentation Format: Standardizing the format for analysis documentation, including an analysis note template with required sections or online documentation.
- Presentation of Results: Establishing a standard layout for presenting physics results, including specifications for font size/type and a ROOT template.
- Author List: Maintaining a standardized, LaTeX-based author list.

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Addressed by this committee
Expanded to non-physics results

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[See Publication Policy](#)

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Will provide as guidelines.
Not part of the policy.

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Author list defined in Publication Policy

Logistics

Committee members:

- Helen Caines, Barbara Jacak, Zisis Papandreou, Paul Newman, Bedangadas Mohanty, Rongrong Ma, Rosi Reed, Brian Page, Rene Bellwied, Thomas Ullrich, Bernd Suroow, John Lajoie, Silvia Dallatorre
 - Brian Page: Conference & Talks policy committee
 - Rene Bellwied: Publication policy committee

Meetings & communications:

- Kick-off meeting on Oct. 4th, 2024
- Bi-weekly committee meeting with the first one on Oct. 15th. Last meeting on Dec. 10th
- Continuous communications via emails

Results Release Policy (DRAFT)

1. Definitions

1.1 Approval body

Working Group Level

- Physics results: Physics Working Group conveners.
- Detector drawings and performance results: Detector Subsystem Collaboration (DSC) leaders.
- Software and Computing, DAQ related results: Software Working Group or DAQ Electronics Group conveners.
- For results involving multiple working groups or multiple subsystems, approvals from all relevant working groups, such as Physics, Software, DSC, Cross Cutting, are required. In this case, coordinators assign one working group as the primary one to oversee the approval procedure.

Coordinator Level

- Physics results: physics Analysis Coordinators (ACs).
- Detector drawings and performance results: Technical Coordinator Office.
- Software and Computing, DAQ related results: Software and Computing Coordinator(s).

Results Release Policy

1.2 ePIC results

Published ePIC Results: These are ePIC Results that have been reviewed and approved according to the ePIC Publication Policy and released to the public, e.g. submitted to arXiv. This designation does not include Conference Proceedings that include Public ePIC Results.

Public ePIC Results: These are all ePIC Results that are approved for presentation outside the ePIC Collaboration by ePIC members and that are not Published ePIC Results.

Non-public ePIC Results: These are special ePIC Results that can be used in presentation under certain circumstances, such as regional meetings, job interviews, theses, etc.

2. General rules

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2.1 Approval procedure

- Proponents of new ePIC results should submit requests for approval via email or other electronic means to the relevant working group(s) at least 1 week before the intended presentation or passage to the next stage of approval procedure of those results. It is highly recommended that proponents provide regular updates in working group(s) meetings to facilitate the approval process.
- For the approval of new *ePIC Preliminary Results*, proponents should present the requests at the monthly Physics Forum, run by ACs and open to the entire collaboration, after approval is granted at the *Working Group Level*.
- Each working group convener is expected to provide feedback and communicate their decision to the proponents within 1 week. Failure to respond within this timeframe can result in the convener's decision not being considered for the approval or disapproval of the requests.
- In situations where conveners of the reviewing working group are split in the decision, the majority opinion determines the outcome. In case there is an equal split, *Coordinator(s)* will make a decision for the approval or disapproval of the requests based on the available information.
- In case of dispute during the approval process within the *Working Group Level*, proponents can appeal to the *Coordinator Level*. If that does not resolve the dispute or the dispute is with *Coordinator Level*, the proponents can appeal to the Spokesperson Office, and finally to ePIC Collaboration Council (CC) if the Spokesperson Office could not resolve the dispute.
- In all instances, a decision to disapprove a result by working group conveners or *Coordinator(s)* must be accompanied by a written rationale, which will be shared with the Spokesperson Office. In case the disapproval is handed down by the Spokesperson Office, the reasoning must be provided in writing by the Spokesperson Office to ePIC CC.

2.2 Public ePIC Results

- All approved results must be reproducible, i.e., they are produced based on official records, such as official plans and designs, geometry files, simulation campaigns, test beam, real data, etc.
- It is the data points and associated message, not the figures themselves, that are approved. ePIC members can make new figures using approved data points and uncertainties. Should this happen, new figures need to be approved at *Working Group Level* before they can be released.
- All approved results should be uploaded to the ePIC Documentation Management System (DMS), such as Zenodo, by the proponents with required accompanying documents. In case a result is updated, the new result should supersede the old one in DMS.
- Publication of *Public ePIC Results* by ePIC members in peer-reviewed papers that do not go through the official ePIC review process is prohibited.
- Presenters are highly encouraged to include only approved ePIC results stored in the ePIC DMS in their presentations. Copy-and-pasting from others' presentations is discouraged as they could include obsolete results.
- Any request for data points of *Public ePIC Results* from people outside of the ePIC Collaboration should be directed to the Physics Analysis Coordinators, who will distribute the requested data points. PACs will make it clear to the requesters that these data should be labelled clearly and appropriately, such as ePIC Preliminary, in their presentations and papers.

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Publication Policy: exception can be granted. Shall we?

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Non-physics results

3.1.1 Non-physics results

Scope

- Results that do not contain physics messages.

Tag

- ePIC Test Beam: results based on test beam data.
- ePIC Computing: results related to software and computing infrastructure, algorithm, flow chart, plans, DAQ, etc.
- ePIC Performance: results based on simulation, cosmic ray data, real data, etc.
- ePIC Simulation: results based on simulation, machine learning, etc.
- ePIC Technical: technical/engineering drawings.

Approval procedure

- Approval body: *Working Group Level*.
- Timeline: at least *1 week* before the intended presentation.

Version control

- Non-physics results can be updated upon approval by the same approval body.
- All approved results should include release month and year (mm/yyyy).

Accompanying documents

- A brief summary of information needed for reproducing the results, e.g., campaign tag, geometry tag, production tag, analysis cuts, test condition, collision information, etc.

Physics results

3.1.2 Preliminary results

Scope

- Results that are based on real collision data and contain new physics messages.

Tag

- ePIC Preliminary.

Approval procedure

- Step 1
 - Approval body: *Working Group Level*.
 - Timeline: at least *1 week* before *Coordinator Level* approval.
- Step 2
 - Approval body: *Coordinator Level* at monthly Physics Forum.

Version control

- No updates are allowed for preliminary results until they become *Published ePIC Results*.
- If a preliminary result is found erroneous and the associated physics message would change, it should not be shown in public until a corrected result is published.

Accompany document

- Analysis note based on the official ePIC template and including all relevant details of the analysis procedure for producing the results.
- Analysis codes, including instructions on how to run them, uploaded to the ePIC repository, such as GitHub.

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Physics forum

- Monthly
- Hosted by ACs
- Open to the entire collaboration

Published results

3.2.1 Published results

Scope

- Any final results released to the public, e.g. submitted to arXiv. This designation does not include Conference Proceedings that include *Public ePIC Results*.

Tag

- ePIC

Version control: N/A

Approval procedure: follow publication policy.

Accompanying document: follow publication policy.

Upload to DMS: follow publication policy.

- Published results will supersede corresponding preliminary results in DMS.

Work in progress

3.3.1 Work in progress

Scope

- Any results, but no new physics messages can be extracted from them. How to achieve this will be dealt with on a case-by-base basis, e.g. using arbitrary units for yield measurement or showing only uncertainty projection for asymmetry measurement.

Use case

- Students and postdocs presenting their own work at conferences that do not archive presentations and do not have proceedings, such as APS, EPS meetings
 - In case the student or postdoc presenter could not give the presentation, the alternative speaker, regardless of their professional status, can also present these results.
- Presentations for job interviews. In case the presentations are to be posted online, work-in-progress results should be omitted from the post.

Tags

- ePIC Work In Progress.

Approval procedure

- Approval body: *Working Group Level*.
- Timeline: at least *1 week* before the intended presentation.

Version control: N/A

Accompanying document: N/A

Upload to DMS: N/A

Non-approved results

3.3.2 Non-approved results

Scope

- Any non-approved ePIC results.

Use case

- *Reviews, seminars and colloquia*: only public or published ePIC results are expected to be presented. Requests to show non-approved ePIC results should be made to the relevant approval body (see below).
- *Progress reports to funding agencies, funding proposals*: these are confidential processes that the ePIC Collaboration does not have jurisdiction over. **No approval from ePIC is needed.**
- *Thesis*: the ePIC Collaboration does not have jurisdiction over. **No approval from ePIC is needed.**

Tags

- *Reviews, seminars and colloquia*: ePIC Work In Progress.
- *Thesis*: This Thesis.

Approval procedure

- Only applies to *reviews, seminars and colloquia*
 - Approval body: *Working Group Level*.
 - Timeline: at least *1 week* before the intended presentation.

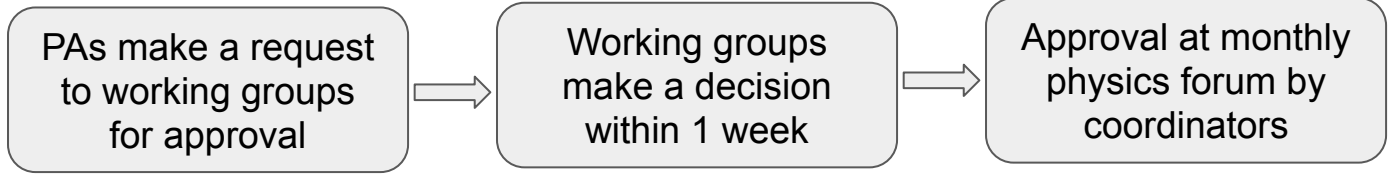
Version control: N/A

Accompanying document: N/A

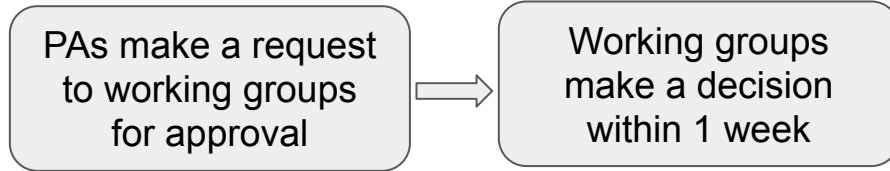
Upload to DMS: N/A

Approval procedure in a nutshell

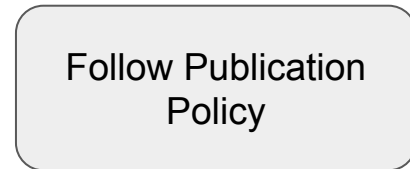
Preliminary results



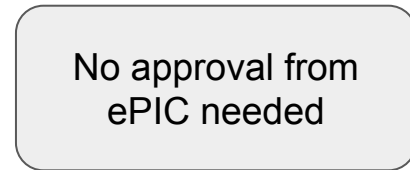
Non-physics results



Published results



Thesis, grant proposal



Discussion

- Do we want to require a second independent analysis for cross check? If so, which category of results should be applied (physics, non-physics, published)?

What's next?

- Address comments from Council members
 - Release to the collaboration for comments
 - Vote to adopt the policy
-
- Provide guidance/template on styles of figures, presentation, analysis note
 - Presentation and figure style guidelines: Zisis Papandreou (We already have a draft)
 - Analysis note template, figure macros: Bernd Surrow