

PIONEER conference committee report

Jennifer Ott (UC Santa Cruz)

Chloé Malbrunot (TRIUMF & McGill U.)

Dieter Ries (U. Mainz)

Patrick Schwendimann (U. Washington)

Toshiyuki Iwamoto (U. Tokyo)

PIONEER Collaboration Meeting, UW, Oct 16-18, 2023

Objectives

- Identify relevant conferences and workshops – anyone can point out conferences!
- Maintain list of conferences and speakers
- Submit abstracts on behalf of the collaboration to conferences
- Assign speakers – self-nominations common
- Review abstracts submitted by other collaborators
- Review proceedings / articles before journal submission

Overview of 2022 and 2023

- TWiki page listing conference (with link), date and place, topic, status and presenter

<https://pioneer.npl.washington.edu/do/view/Internal/UpcomingConferences>

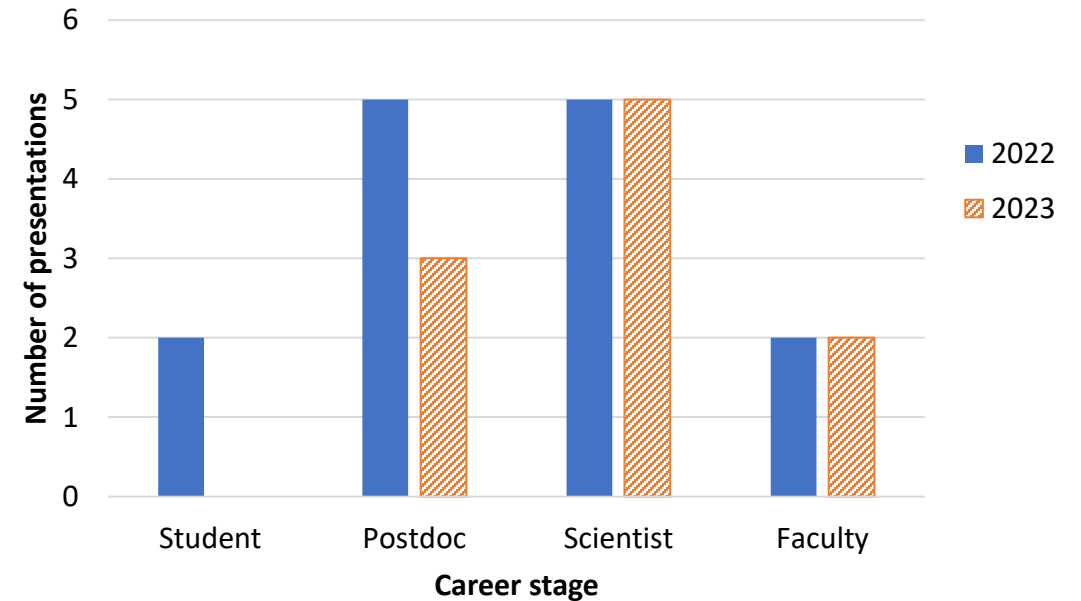
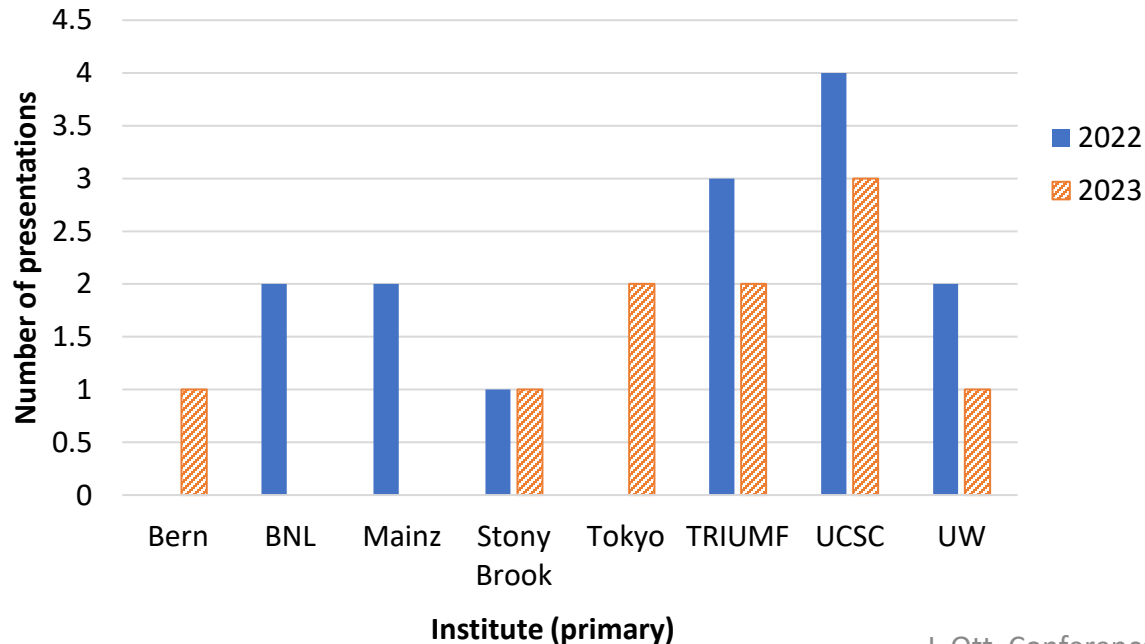
Upcoming conferences for PIONEER

Below are tables with upcoming conferences and workshops (second table) and additional information. Please feel free to edit to add new conferences or to propose speakers.

Conference Name	Date	Location	Abstract sub. deadline	Topic	Potential or confirmed presenter
2023					
P5 Town Hall ANL/FNAL	21-24 March	Chicago, US		PIONEER Experiment (to P5)	Speaker: D. Hertzog (UW)
International Conference on the Physics of the Two Infinities	27-30 March	Kyoto, Japan		PIONEER Experiment	Speaker: T. Iwamoto (U. Tokyo)
APS April meeting	15-18, 24-26 April	Minneapolis, Minnesota, US		PIONEER Experiment & Tracker	Speaker: J. Datta (Stony Brook)
P5 Town Hall SLAC	2-5 May			Short remark / Early-career An LGAD-based full active target for the PIONEER experiment	Speaker: S. Mazza (UCSC)
FPCP2023: 21st Conference on Flavor Physics and CP Violation	29 May - 2 June	Lyon, France		PIONEER	Invited talk (Satoshi Mihara; cannot make it) Speaker: T. Iwamoto (U. Tokyo)
XeSAT: International Workshop on Applications of Noble Gas Xenon to Science and Technology	5-8 June	Nantes, France		PIONEER & LXe Calo	Invited talk Speaker: C. Malbrunot (TRIUMF)
CLFV 2023: 4th International Conference on Charged Lepton Flavor Violation	20-22 June	Heidelberg, Germany		PIONEER	Invited talk (D. Bryman) Speaker: B. Velghe (TRIUMF)

Overview of 2022 and 2023

- 2022: 14 presentations (10 talk, 4 poster), 2023: 10 presentations to October (10 talks)
 - Good (?) number for an experiment in the design phase
- Distribution of talks by institute shows some of the most active groups, but not all of them
- Distribution by career stage favors postdocs and scientists – good (?) (“Scientists” may include large spread of seniority)
- Exact conferences; topical focus; invited or contributed talk can be viewed on the Conferences TWiki page



Repositories and list of talks: conference presentations

- Currently: Twiki page and DocDB
 - Both are access-restricted, not reachable for the public
 - DocDB is not very convenient for storing materials in a structured way and finding/accessing talks
- Suggestion: **list of talks (including slides, at least link to slides) will be posted and updated on a subcategory of the new PIONEER webpage**
 - Easy to find and access for the interested community, including possible new collaborators
 - Most talks are uploaded to publicly viewable pages (e.g. Indico) in any case

Repositories and list of talks: seminars

- Planning to have a similar list of seminars, colloquia, smaller talks given at institutes
 - What should be included here – anything from high-profile CERN or FNAL seminars, to extended institute or group meetings?
 - Where to keep said list and slides? Some of these could be public, but perhaps not all and not by default
- Suggestion: **List similar to the Conferences list on TWiki for the time being, some selected materials could be posted on the PIONEER website or mentioned in the News/Updates section**

Repositories and list of talks: materials

- Speakers, especially when not experts in a specific area, are often looking for the newest updated models or plots to include in talks and PIONEER overviews
- No dedicated area so far for keeping and distributing such presentation materials
 - DocDB is not convenient for storing materials in a structured way, hard to navigate especially if one does not know to detail what to look for, does not have integrated viewer
 - eLog is meant for logging active work, not for being a repository for polished results
- Suggestion: **expand subgroup pages in Twiki, and/or create pages for most recent status and 'approved plots' with useful material and related documentation**
 - Easy way to store and navigate materials for use in talks, but not directly post for public access

Author lists

- Current situation: include everyone in the original PSI proposal author list with additions over time, nobody has been removed unless explicitly retreated themselves
- Latex author list maintained ~manually by Patrick
- Publications have mostly been conference proceedings of a specific topic with a short PIONEER introduction and overview, e.g. *An LGAD-based Active Target Detector for the PIONEER Experiment*
 - Main author / active team has decided named authors, list is displayed as *A. Author, B. B-author, C. C-author... on behalf of the PIONEER Collaboration*
 - Has worked well in practice, reflects active contribution to a degree, “nobody has complained”
- Two main purposes: funding proposals and research proposals; presentations and publications
 - Somewhat different objectives: evaluating and demonstrating interest vs acknowledging contribution
- Eventually **there should be formal guidelines – at least recommendations - on how to determine authorship to aim at fair inclusion and recognition**
 - Largely up to the Institutions Board
 - Suggestions: a) **set guidelines for author status**, b) **consider the possibility for separate author lists, based on interest vs based on active contributions**

Committee operations updates

- Visibility at conferences and workshops is important for the collaboration, and also for the individuals, particularly early-career scientists
 - We have included a section on the Conference Committee in the DEI/Climate survey – please give us feedback! (of course, also possible in-person or by email)
- pioneer-public@lists.triumf.ca
- Dieter is occupied with his new position at PSI – it would be good to have a new committee member, ideally from a European institution