

Close out

Towards improved hadron femtography
with hard exclusive reactions,
2nd edition
August 7-11, 2023

Goals of this workshop

This workshop aims at **bringing together theorists and experimentalists** to discuss the current status and potential directions for the physics of hard exclusive reactions, in particular for interpretations about hadron imaging. Subjects covered during the workshop will include hard exclusive single-meson and associated-meson production, 'novel' Compton-like reactions beyond DVCS and the sensitivity of the respective exclusive processes to GPDs, GTMDs, spin structure and gravitational form factors. Opportunities at low and high x , at fixed-target and collider experiments will also be discussed.



Sessions



- Experimental facilities and new experiments
- Theory / phenomenology
- Compton-like reactions
- Meson structure
- Hard exclusive meson production
- Transition GPDs
- Theoretical activities and centers
- Polarized targets and new observables

41 Physics presentations & 5 related round tables

Thank you to all the speakers!

Round Tables

- 1) Experimental facilities and current/future experiments (A. Jentsch, L. Pentchev)
- 2) Theory / phenomenology (S. Liuti, K. Shiells)
- 3) Compton-like reactions and multichannel approach to CFF fits (Y. Hatta, C. Weiss)
- 4) Meson structure and hard exclusive meson production (D. Dutta, Y. Zhao)
- 5) Future measurements opportunities (M. Defurne, J. Stevens)



Outcome

Taking suggestions here:

we have notes summarizing discussion sessions from last year and this year

- can be put in a short white paper or a brief communication summarizing outcome of the workshop as a status of knowledge in the field

Will round table chair be willing to take this effort, or the organizers, or all participants?

Dinner at Crab Shack Reception at Resfac



Socials



Mariner's museum
& park
1700 brewing
Buffet City



More pictures: <https://indico.phys.vt.edu/event/58/page/66-gallery>

Participants

Towards improved hadron femtography with hard exclusive reactions 2023

7–11 Aug 2023
Jefferson Lab
US/Eastern timezone



Overview

Registration

Timetable

Sessions

Participant List

96 participants

Last Name

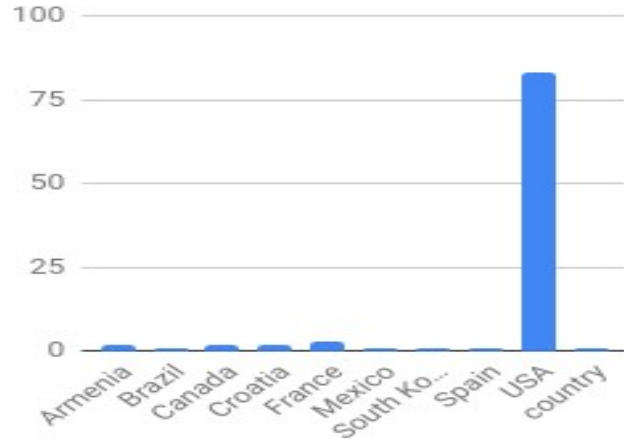
First Name

Affiliation

96 in-person & remote participants, talks were in-person (2 last minute exceptions)

Quite good post-covid attendance, which is great for many formal and informal discussions

Count | Distribution



Host country : USA

Largely represented, but still people from other countries.

In the future we would like to make this workshop more international to involve communities in other continents

– trying to organize next edition in Europe

Most | Least

VALUE	FREQUENCY
USA	83
France	3
Armenia	2
Canada	2
Croatia	2

What's next?

- Planning for a third edition in Europe (Italy or France...) and maybe next one in Asia – organizers are working on it, a location will be announced soon
- Want to make this workshop annual at different locations to involve people from around the world
- We want to have a “key topic”, different every year, but same format overall. Proposed for next year: lattice & computing. 2022 was “exclusive mesons”, this year was more mix.
- Suggestions are very welcome

Organization

Host Institution: Jefferson Lab

Administrative contact: Sadie Cherry

Scientific chairs: Marie Boër (VT), Alexandre Camsonne (JLab), Charlotte Van Hulse (Alcala)

Local co-organizers: Deb Biswas, Gyang Chung, Mahmoud Gomina

Many thanks to all the staff, lab management and event service, and all admins!

Many people worked hard over the last few months to make this event happen

A group of five people are walking away from the camera on a long wooden bridge that spans across a wide river. The bridge has wooden railings on both sides. The background is filled with lush green trees, suggesting a park or natural area. The overall scene is bright and clear.

Bye Bye

And see you next year!

