

## Second Circular

### **Towards improved hadron femtography with hard exclusive reactions, 2023**

**Venue:** Jefferson Lab, CEBAF Auditorium - NOTE: venue change compared to previously announced

**Date:** August 7th- 11th, 2023

#### **Description:**

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.

In order to facilitate informal discussions and the development of new ideas, this workshop will be exclusively in-person (though remote attendance as an audience, only, is possible with a free registration). Ample time will be given for discussions, with dedicated round tables for each topic.

A participation fee of \$250 will be collected to contribute to the costs of the organization. This covers the workshop dinner, the reception, coffee breaks and other organization costs. All participants are required to pay the registration fee in advance of the workshop. You can apply for a reimbursement of the fee, which will be provided at the discretion of the organizers, up to funding limitations, with priority for early career researchers.

**All who are interested in the study of exclusive processes are encouraged to submit an abstract. The deadline for abstract submission is July 3d, 2023 (extended).**

#### **Sessions include:**

Hard Exclusive Compton-like Reactions  
Hard Exclusive Meson Production  
Meson Structure  
Nuclei and transition GPDs

Theoretical progresses  
Models and Interpretations  
Current and future experiments  
Computing and AI/ML techniques  
Lattice QCD  
Hardware for exclusive measurements

**More information:** <https://indico.phys.vt.edu/event/58>

**Link to previous edition** (July 2022 at Virginia Tech): <https://indico.phys.vt.edu/event/51/>

**Co-organizers:** Marie Boër, Alexandre Camsonne, Charlotte Van Hulse

Please feel free to contact any of us if you have any questions.