



## **14th International Workshop on Boosted Object Phenomenology, Reconstruction, Measurements and Searches in HEP**

### **First Bulletin**

This is the first announcement of the BOOST 2022 conference, the 14th international workshop on boosted object phenomenology, reconstruction, measurements and searches in HEP. This conference follows a successful series of workshops, providing a forum for experimentalists and theorists to present and discuss the latest experimental results and theoretical advancements on jet reconstruction, phenomenology of boosted objects and their use in analyses at high energy particle colliders. After two years of online editions, we are very happy to announce that BOOST 2022 will be held in person at Hamburg, Germany, on August 15-19, 2022.

#### **Conference web site**

Registration and details concerning the workshop programme, fee, the location, travel, lodging, and other useful information is available at:

<https://indico.cern.ch/e/BOOST2022>

#### **Venue**

The conference is jointly organised by the University of Hamburg and DESY, and will take place at the main campus of the University of Hamburg. The lecture hall and seminar rooms are located at the Von-Melle-Park 8, in a vibrant part of the city, close to the city centre.

#### **Conference format**

The conference structure will follow the previous in-person BOOST series, with plenary presentations from Monday to Friday. The conference is opened by invited plenary talks, providing an overview of the experimental and theoretical advancements and challenges of physics with jet substructure. The plenary talks during the week will cover a wide range of scientific aspects, reaching from the definition of jet substructure observables, calculations and theoretical methods, measurements at hadron colliders, the application and development of machine learning techniques, to searches for new physics. The conference will host a poster session, where we invite contributions from young researchers to present and highlight their work. The conference will close with summary presentations.

### Call for abstracts

The call for abstracts is open. We invite abstract submissions for plenary presentations and posters. The closing date for submitting abstracts is 15 June 2022. Selected abstracts will be presented and discussed at the conference. We kindly ask participants wishing to present results from the experimental collaborations to make sure to follow the procedures defined by their collaboration when submitting an abstract.

### Corona regulations and hygiene measures

The organizers are very confident that the HEP community will come back to meet in person after the pandemic state of emergency. The present plan foresees a format with a substantial in-person participation, together with the possibility of a fruitful remote participation for people living in areas still heavily affected by travel restrictions. The Local Organizing Committee, together with the local authorities, will put in place all necessary measures to guarantee a safe and welcoming environment for all attendees. The pandemic evolution will be constantly monitored and possible adjustments in the conference format will be promptly communicated.

### Conference fee and registration

The conference fee will be 300 Euros for early-bird registration, before July 15, and 350 Euros for registration later than that (to be confirmed). If you are not able to travel to Hamburg because of travel restrictions, please contact the Local Organizing Committee. We are very grateful for the support by the University of Hamburg's Cluster of Excellence "Quantum Universe", which makes this possible. Registration for the conference will open soon.

### Important dates

Abstract submissions possible until: **15 June 2022**

Contribution acceptance notification no later than: **1 July 2022**

Early bird registration until: **15 July 2022**

Registration deadline: **1 August 2022**

Conference dates: **15-19 August 2022**

### Contact and support

You can reach us at [boost2022-loc@desy.de](mailto:boost2022-loc@desy.de). Do not hesitate to contact us for additional information and support you may need for attending BOOST 2022. We are looking forward to welcoming you in Hamburg in August!

Please feel free to forward this announcement to other interested colleagues.

Best regards,

Andreas Hinzmann and Roman Kogler for the Local Organizing Committee



**CLUSTER OF EXCELLENCE**  
**QUANTUM UNIVERSE**



The Local Organizing Committee are:

*Andreas Hinzmann (Uni Hamburg, co-chair), Roman Kogler (DESY, co-chair), Katharina Behr (DESY), James Ferrando (DESY), Johannes Haller (Uni Hamburg), Gregor Kasieczka (Uni Hamburg), Jürgen Reuter (DESY)*