

=====
Hot Quarks 2022 Workshop - HQ 2022
=====

Second Circular

The Hot Quarks 2022 organization committee is very pleased to announce that the 9th workshop in the Hot Quarks series will be held on October 11-17, 2022, at the Dao House Retreat Center in Estes Park, Colorado, USA. **It will be held in-person, with very limited exceptions for those still unable to travel.**

The website for the workshop can be found here:

<https://indico.bnl.gov/event/7770>

The aim of this workshop is to enhance the direct exchange of scientific information among the younger members of the relativistic heavy-ion community, both from experiment and theory. Therefore we especially want to encourage advanced graduate students, postdoctoral fellows, and junior faculty and research staff to apply.

The topics that will be addressed include:

- QCD at high temperature/density and lattice QCD
- Early time dynamics and the initial state
- Relativistic hydrodynamics and collective phenomena
- Correlations and fluctuations
- Jets in the vacuum and in the medium
- Baryon and strangeness production
- Heavy flavor, dileptons and photons
- Applications of the AdS/CFT correspondence to the quark-gluon plasma
- Experimental techniques and future programs

The workshop program is divided into morning and afternoon/evening sessions each consisting of short (~20 min) presentations and typically one longer overview talk from an invited speaker in a morning session. Each session is followed by a relatively long (~1hr) Question & Answer (Q&A) session. Active participation is encouraged in the Q&A sessions.

Ample free time between the lunch and afternoon/event session (and after dinner) will be available in order to enhance informal interactions. The number of participants will be restricted to < 70. Every participant will give an oral presentation, and all participants are expected to be present on the workshop premises throughout the duration of the conference.

There will be two prizes this year for the best experimental and theory talks. The AM

award will be given to the best experimental talk, and the KKG award will be given to the best theory talk. These awards are dedicated to the memories of Andre Mischke and Klaus Kinder Geiger.

If you are interested in attending HQ2022, please submit an abstract and pre-register using our workshop website shown above. **Abstract submission and pre-registration is open now.** An abstract will only be considered if the pre-registration form has been completed. Due to limitations on the number of participants, and the high interest in attending this workshop, speakers will be selected from the list of submissions after the abstract submission deadline on July 28th. Those whose abstract is accepted will be notified via email, and will be invited to fully register for the workshop. A single registration fee will apply, and it will cover housing, all meals, and registration costs.

Further details about the program and the workshop venue will be posted on the website.

*** SUMMARY OF IMPORTANT DATES ***

June 30, 2022 – Opening of pre-registration and abstract submission
July 28, 2022 – Abstract submission and pre-registration deadline
Aug 18, 2022 – Abstract acceptance notification
Aug 18, 2022 – Opening of full registration and payment for participants
September, 8, 2022 – Full registration and payment deadline
October 11, 2022 – Start of HQ2022

Lively and informative discussions are anticipated at the meeting. Please distribute this email within your collaborations and local groups. Any questions can be directed to hot-quarks-organizers@cern.ch

Sincerely,

The Hot Quarks 2022 organizing committee
Megan Connors, Alessandro Grelli, Marlene Nahrgang, Jorge Noronha, Rosi Reed,
Bjoern Schenke, Zebo Tang, Anthony Timmins, Konrad Tywoniuk