

Wrap-up document

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QCD Challenges from pp to A–A Collisions

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Wrap-up document

Basic scheme:

- Introduction
- 2-3 pages per track
- Conclusion

Focus on discussions, open points, and ideas emerged during the workshop

Editing steered by track conveners

Signed by all participants

Timeline: first draft within 2 months (middle April)

Abstract

The abstract.

1. Introduction

Some introduction.

2. Initial state and ultraperipheral

3. Jet production and properties in pp and in the medium

4. Event properties and hydro in small and large systems

5. Hadronization of light and heavy flavour across collision systems

6. Energy loss and transport in the medium and in small systems

7. QCD and astrophysics

References

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Super thanks to all conveners!

1) Initial state and ultraperipheral

Conveners: Jesus Guillermo Contrera Nuno (Prague, CTU), Petja Paakkinen (Jyvaskyla U.), Thomas Boettcher (Cincinnati U.)

2) Jet production and properties in pp and in the medium

Conveners: Alba Soto Ontoso (CERN), Leticia Cunqueiro Mendez (Rome U., INFN), Martin Spousta (Charles U.)

3) Event properties and hydro in small and large systems

Conveners: Aleksas Mazeliauskas (U. Heidelberg, ITP), David Chinellato (Estadual de Campinas U., IFGW), Lucia Oliva (Catania U. and INFN)

4) Hadronization of light and heavy flavour across collision systems

Conveners: Anton Andronic (Darmstadt, GSI), Jing Wang (MIT), Peter Skands (Monash U.), Vincenzo Greco (Catania U. and INFN)

5) Energy loss and transport in the medium and in small systems

Conveners: Andrea Dainese (INFN Padova), Andreas Morsch (CERN), Francesco Prino (INFN Turin)

6) QCD and astrophysics

Conveners: Hans Dembinski (Dortmund U.), Ramona Lea (Brescia U., INFN), Saverio Mariani (CERN)

Scientific Program

Initial state and ultraperipheral
Jet production and properties in pp and in the medium
Event properties and hydro in small and large systems
Hadronization of light and heavy flavour across collision systems
Energy loss and transport in the medium and in small systems
QCD and astrophysics

QCD challenges from pp to AA collisions

Padova, 13-17 February, 2023



Website:
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Thanks to everybody!

