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# 2023 CMS heavy ion workshop: bringing together the LHC heavy ion community

## ORGANIZERS

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## ABSTRACT

The workshop will bring together the theory, LHC and CMS heavy ion communities and will be split in two parts:

a public two-day session with a series of invited talks from theorists and from the LHC experimental community, followed by two days of CMS internal discussions.

The workshop, taking advantage of the resumed LHC operation, as well as of the recently-concluded Snowmass22 exercise and of the Long-Range Plans for Nuclear Physics in the US and Europe, will certainly stimulate extensive discussions on the physics performance of early Run 3 data, the physics opportunities at the HL-LHC, the HL-LHC upgrade challenges and their relevance to heavy ion specific measurements, compelling physics cases at Run 5 and beyond, and foreseen synergies with other collider projects.

## KEY SPEAKERS

Jasmine **Brewer** (CERN, Geneva, Switzerland)

Zhenyu **Chen** (Shandong University, China)

David **d'Enterria** (CERN, Geneva, Switzerland)

Gian Michele **Innocenti** (CERN, Geneva, Switzerland)

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Luciano **Musa** (CERN, Geneva, Switzerland)

Helena **Santos** (LIP - Laboratório de Instrumentação e Física Experimental de Partículas, Coimbra, Portugal)

Jiayin **Sun** (INFN Cagliari, Italy)

Wilke **van der Schee** (CERN, Geneva, Switzerland)

Zhong **Yang** (Nanjing University of Science and Technology (NUST), China)

Zhenyu **Ye** (University of Illinois at Chicago, United States)

Jiaxing **Zhao** (SUBATECH, Nantes, France)

## Director of ECT\*: Professor Gert Aarts

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