

DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



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Recent highlights on QCD and QED studies with heavy ion collisions

Monday, 27 March 2023 15:15 (30 minutes)

Heavy ion collisions allow access to novel QCD and QED studies in a laboratory setting. Experimental collaborations actively pursue this opportunity at RHIC and the LHC, and this vibrant physics program continues to yield insights into the interactions and properties of excited nuclear matter. Precision measurements of the properties of quark-gluon plasma (QGP) and the strong electromagnetic fields produced in high energy heavy ion collisions are among recent research pursuits, together with mapping of the phase diagram of nuclear matter through beam energy scanning. This talk will present recent experimental highlights from heavy ion collision data on various QGP and QED probes. I will explore the open questions and what could be addressed with future data from the two existing colliders and the upcoming EIC.

Participate in poster competition?

Submitted on behalf of a Collaboration?

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Session Classification: Plenaries

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