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## Scale, Energy, Temperature and the Emerging Precision of Jet Quenching

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## Content

Over the last decade in relativistic heavy-ion collisions, the modification of hard QCD jets due to their passage through the Quark Gluon Plasma (QGP) has turned from a discovery to a precision tool to study the internal structure of the QGP. We will focus on a variety of issues related to the use of this tool as a probe of the plasma. This will be followed by a brief discussion of some of the differing approaches to this problem and new insights being extracted from current measurements. With the ever growing amount and variety of data, and the increasing sophistication of theoretical techniques, the study of jet modification is morphing into a multi-disciplinary enterprise involving computer scientists and statisticians working in collaboration with heavy-ion theorists and experimentalists. We will conclude with a preview of these exciting upcoming developments and their potential to resolve the structure and dynamics of the QGP.

## Session

Collectivity in high energy collisions

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Session Classification : Collectivity in high energy collisions: jets, flow and other aspects (I)