

# Full Jet Reconstruction In Heavy Ion Collisions: Prospects and Perils

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Full jet reconstruction has traditionally been thought to be difficult in heavy ion events, due to large multiplicity backgrounds. The search for new physics in high luminosity p+p collisions at the LHC similarly requires the precise measurement of jets over large backgrounds due to pile up, and has motivated the development a new generation of jet reconstruction algorithms which are also applicable in the heavy ion environment. In this talk I will review the latest results on jet-medium interactions as seen in A+A collisions at RHIC, focusing on the new techniques for full jet reconstruction. We will assess the implications of these results for the LHC.

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