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Jet observables in anisotropic QCD matter

In recent years, we have seen a rapid development in the description of jets evolving in the presence of structured QCD matter, as the one produced in heavy ions collisions. So far, such theoretical progress has been discussed only at the level of quantities which can not be directly measured. In this talk, I will present the first steps towards understanding the impact of the medium's structure in jet observables. I will show leading order calculations for jet shapes and jet angularities, in the limit of dilute and dense matter at leading order in hydrodynamical matter gradients. Lastly, I will argue that medium anisotropies can, in principle, be detected using energy correlators within jets. I will also introduce some other developments along this direction.

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